

High Performance Axial Fans Model RA – Performance Supplement

- Air / Sound Performance



BUILDING VALUE IN AIR.



September
2016

Greenheck's High Performance Axials, Model RA, are direct- driven axials designed for inline air ventilation in commercial, institutional or industrial buildings. The casing design and construction are well suited to indoor or outdoor applications and can be easily installed in ducted or non-ducted systems. The RA is designed to significantly reduce operating costs and is the most efficient in-line fan series in the world! Additionally, the RA blade design offers inherently lower sound levels than typical axial fans.

Typical Ventilation Applications include:

- Supply and return fans for air handling equipment
- Emergency smoke and heat exhaust
- Stairwell pressurization
- Parking garage and storage facility exhaust
- Industrial process ventilation
- Tunnel ventilation



Model RA is available in 15 sizes that cover a broad range of volumetric flow and pressure conditions.



Greenheck India Private Ltd. certifies that the Model RA shown herein is licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and Publication 311 and comply with the requirements of the AMCA Certified Ratings Program.

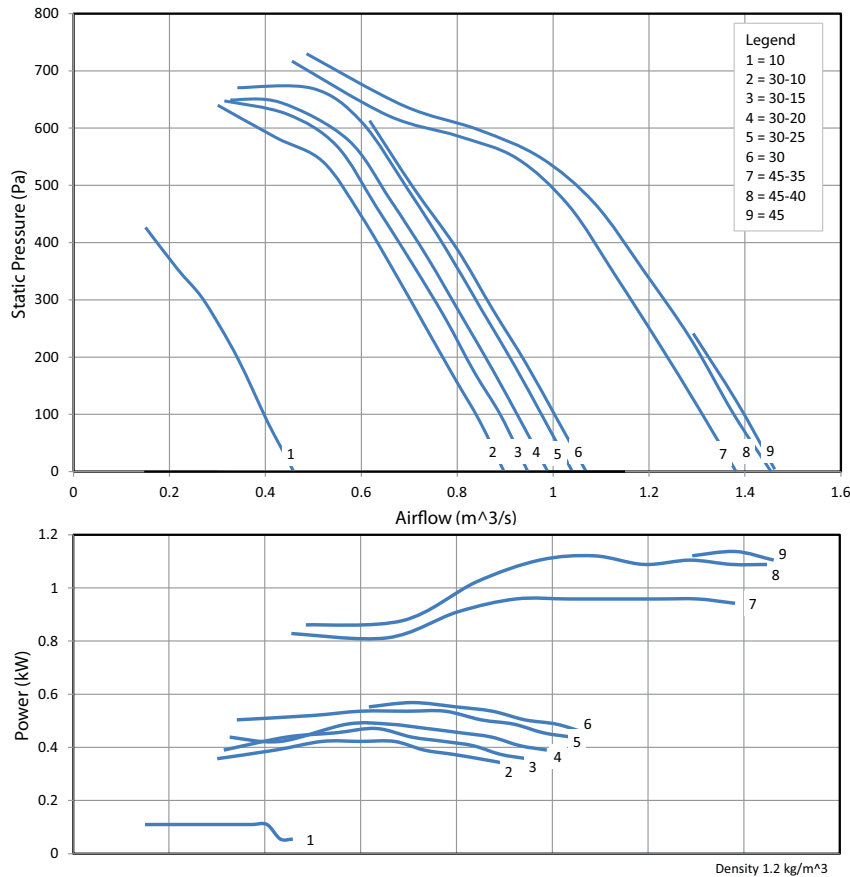




Model Number Code

			RA - 500 - 225 - 4 - 40 - 20 - 4						
			RA - Round Axial		Fan Size		Hub Diameter		Motor Speed
									2-2 Pole
									4-4 Pole
									6-6 Pole
									8-8 Pole
									Blade Pitch (degrees)
									Number of Blades
									3, 4, 6, 8, 9, 12
315	630	900-500							
355	630-325	1000-500							
400	630-375	1120-500							
450	710	1120-630							
500	710-325	1250-630							
500-325	710-375	1400-630							
560	800	1600-630							
560-325	800-325								
560-375	800-375								

RA-315-225-3 (3500 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

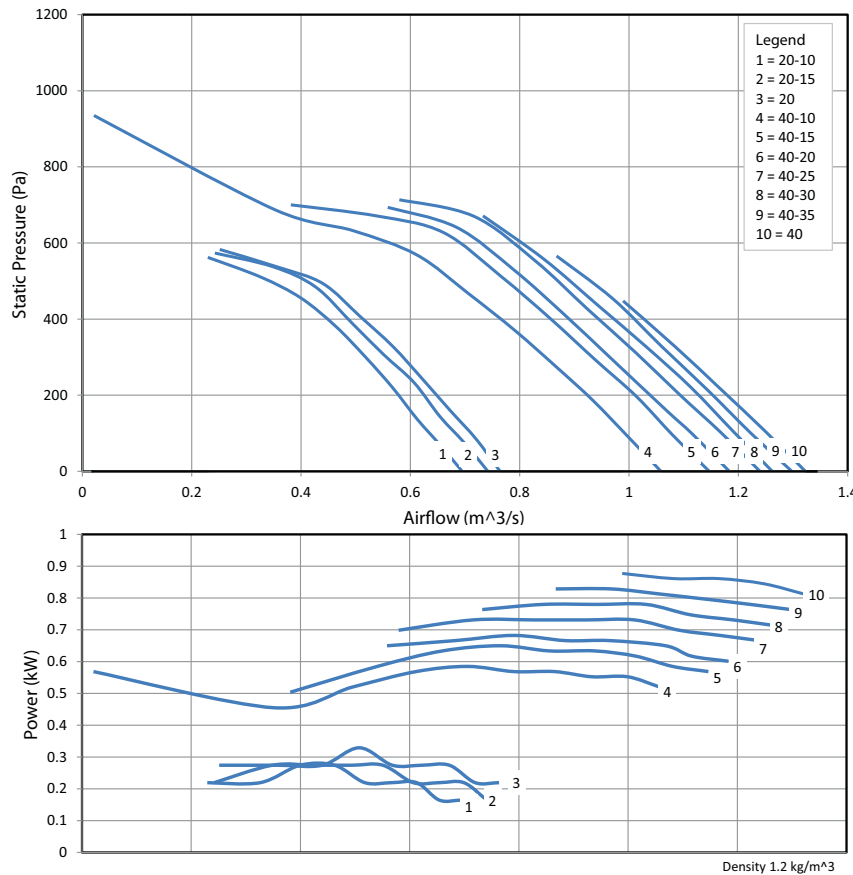


Blade Pitch	FEG
10	85
30-10	80
30-15	85
30-20	85
30-25	85
30	85
45-35	71
45-40	67
45	60

Sound Data

Blade pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	10	75	75	79	85	76	83	77	77	87	75.5
	194	75	75	80	84	76	82	77	76	87	75.5
	379	86	86	84	81	80	83	78	77	87	75.5
30-10°	10	77	77	80	86	85	82	79	80	90	78.5
	283	80	80	82	81	79	81	78	80	87	75.5
	594	85	85	87	87	83	83	79	81	90	78.5
30°	10	76	76	82	80	78	83	78	81	88	76.5
	292	75	75	81	78	78	84	82	83	89	77.5
	585	75	75	81	78	77	83	82	84	89	77.5
40-25°	10	83	83	87	81	80	83	83	82	89	77.5
	292	82	82	88	84	78	83	84	84	90	78.5
	575	82	82	87	82	80	83	85	85	91	79.5
45-35°	10	86	86	90	82	85	84	83	84	91	79.5
	292	87	87	91	83	85	83	85	86	92	80.5
	594	90	90	95	89	85	84	83	83	93	81.5

RA-315-225-3 (3500 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

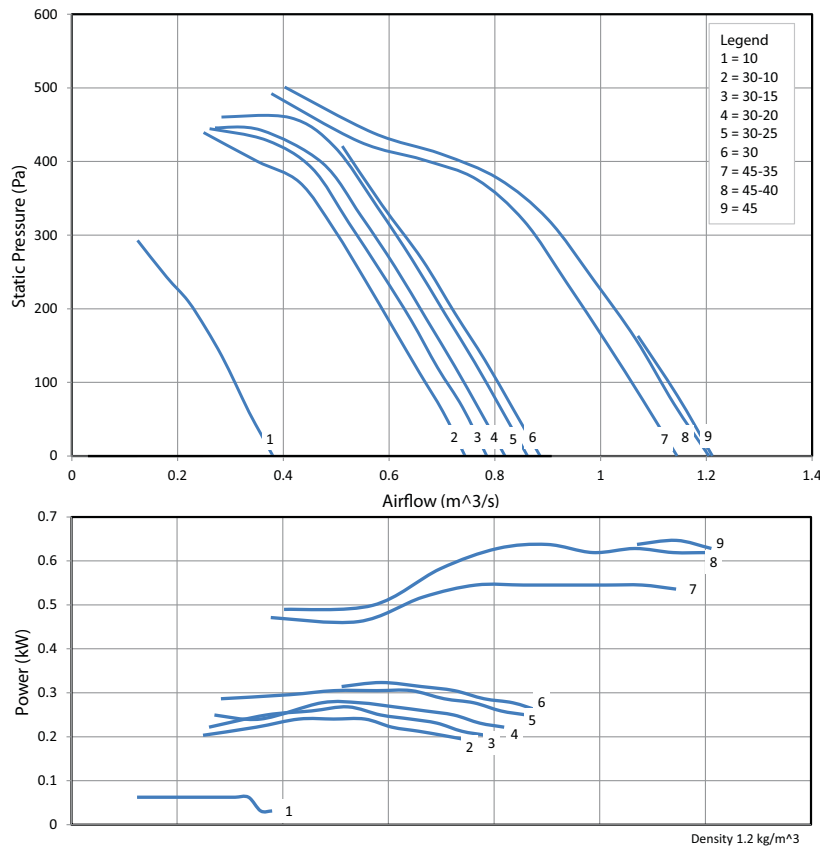


Blade Pitch	FEG
20-10	90
20-15	90
20	90
40-10	75
40-15	80
40-20	80
40-25	85
40-30	80
40-35	80
40	71

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	10	74	74	79	83	77	82	75	78	86	74.5
	292	75	75	80	85	74	81	75	78	87	75.5
	585	83	83	87	84	80	82	78	80	88	76.5
20°	10	74	74	79	82	81	82	77	78	87	75.5
	292	78	78	80	81	76	83	78	79	87	75.5
	594	83	83	87	85	82	85	82	82	91	79.5
40-10°	10	79	79	83	87	88	84	82	81	92	80.5
	292	82	82	86	84	81	82	81	80	89	77.5
	585	83	83	89	86	82	81	80	79	89	77.5
40-25°	10	83	83	87	81	80	83	83	82	89	77.5
	283	82	82	88	84	78	83	84	84	90	78.5
	585	82	82	87	82	80	83	85	85	91	79.5
40-30°	10	83	83	88	82	79	83	82	83	89	77.5
	292	85	85	90	81	79	83	84	85	90	78.5
	575	85	85	89	81	79	82	84	86	90	78.5

RA-315-225-3 (2900 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

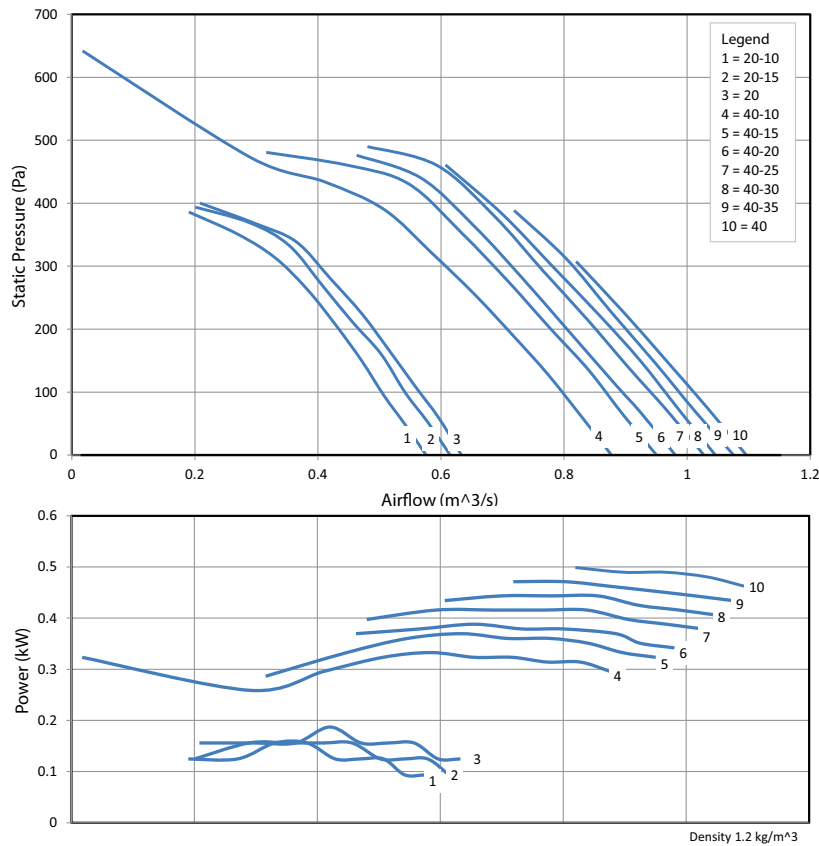


Blade Pitch	FEG
10	85
30-10	80
30-15	85
30-20	85
30-25	85
30	85
45-35	71
45-40	67
45	60

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	7	70	72	76	78	74	77	73	71	82	70.5
	135	71	72	77	78	74	77	72	70	82	70.5
	262	82	82	79	77	76	77	74	71	83	71.5
30-10°	7	73	74	77	82	80	77	75	75	85	73.5
	194	76	77	78	77	76	76	74	75	83	71.5
	408	81	81	83	82	79	78	76	76	85	73.5
30°	7	72	73	77	75	75	78	75	76	83	71.5
	201	71	73	77	74	75	79	78	78	85	73.5
	401	71	73	76	74	75	79	79	79	85	73.5
40-25°	7	78	80	81	77	77	79	79	77	85	73.5
	201	78	80	83	79	76	79	80	78	86	74.5
	395	77	79	81	77	77	80	81	80	87	75.5
45-35°	7	82	83	84	79	81	80	79	79	87	75.5
	201	82	84	85	80	80	80	81	80	88	76.5
	408	86	87	90	84	81	80	79	77	88	76.5

RA-315-225-3 (2900 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

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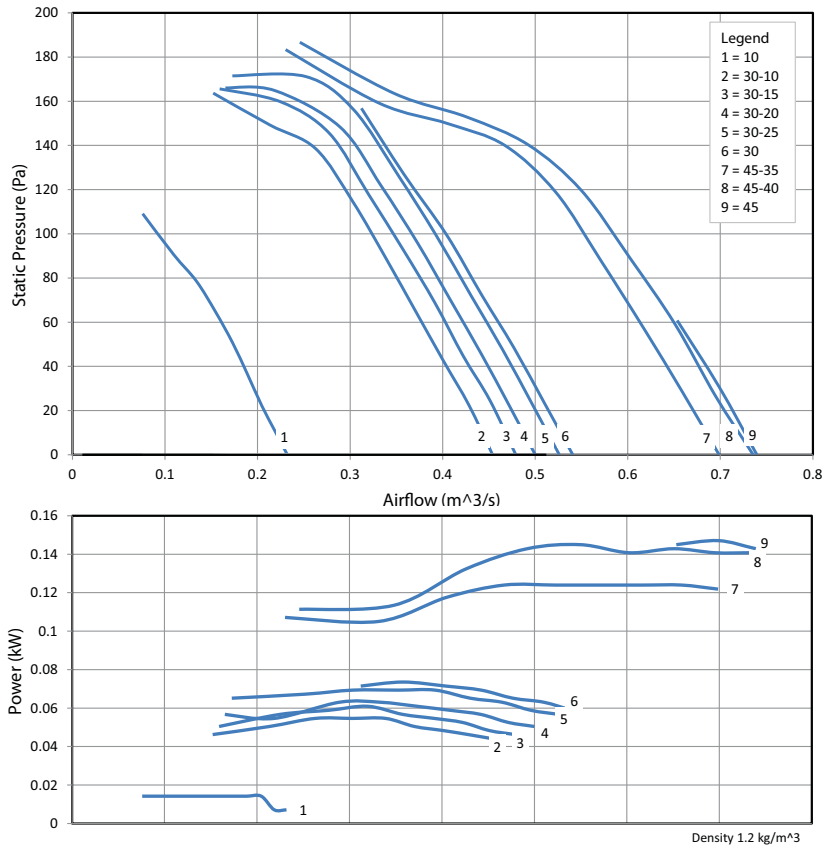


Blade Pitch	FEG
20-10	90
20-15	90
20	90
40-10	75
40-15	80
40-20	80
40-25	85
40-30	80
40-35	80
40	71

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	7	70	71	76	77	74	75	71	72	81	69.5
	201	71	72	77	78	72	75	72	73	81	69.5
	401	79	80	82	79	77	77	74	75	84	72.5
20°	7	70	71	75	77	77	77	73	72	83	71.5
	201	74	74	77	76	74	77	74	74	82	70.5
	408	79	80	83	80	79	80	78	77	86	74.5
40-10°	7	75	76	80	83	83	79	78	76	87	75.5
	201	78	79	81	79	77	77	76	75	84	72.5
	401	79	80	84	81	78	77	76	74	85	73.5
40-25°	7	78	80	81	77	77	79	79	77	85	73.5
	194	78	80	83	79	76	79	80	78	86	74.5
	401	77	79	81	77	77	80	81	80	87	75.5
40-30°	7	79	80	82	77	76	79	78	78	85	73.5
	201	81	82	83	76	76	79	80	80	86	74.5
	395	81	82	83	76	75	79	81	81	86	74.5

RA-315-225-3 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

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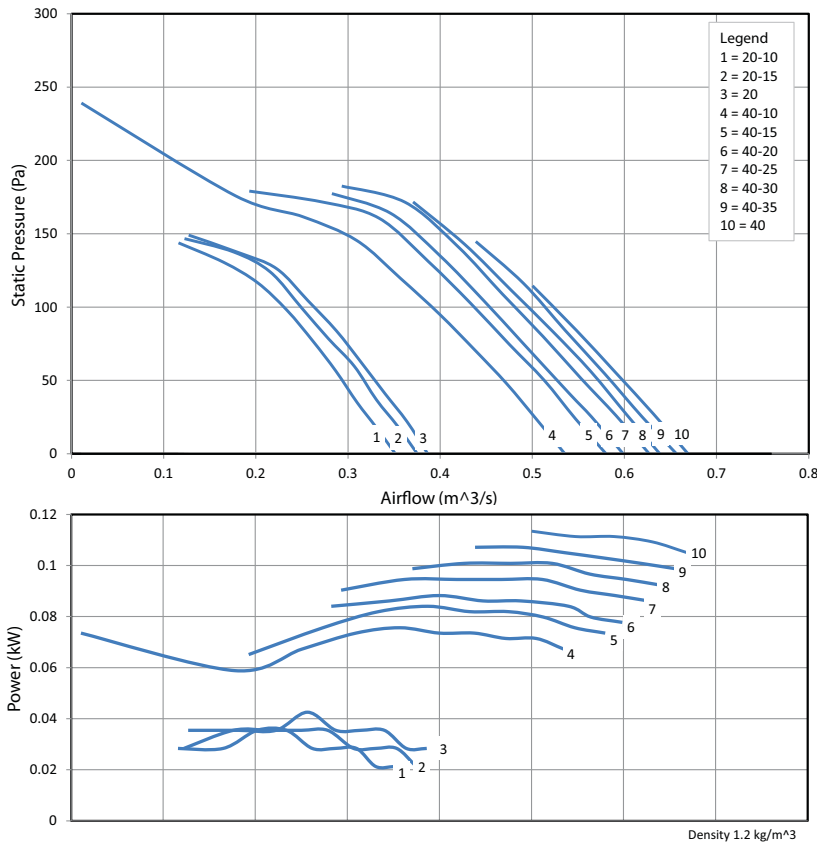


Blade Pitch	FEG
10	85
30-10	80
30-15	85
30-20	85
30-25	85
30	85
45-35	71
45-40	67
45	60

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	2	60	64	70	61	68	62	62	55	71	59.5
	50	60	65	69	61	68	62	61	56	71	59.5
	97	72	69	66	65	68	63	62	57	71	59.5
30-10°	2	63	65	71	70	67	64	66	61	73	61.5
	72	65	67	67	64	66	63	65	62	72	60.5
	152	70	72	72	68	68	65	66	63	74	62.5
30°	2	61	67	65	63	68	64	66	62	72	60.5
	75	60	67	64	63	69	67	69	65	74	62.5
	150	61	67	63	62	69	67	70	67	75	63.5
40-25°	2	68	72	67	65	68	68	68	63	74	62.5
	75	67	73	70	64	68	69	69	64	75	63.5
	147	67	72	67	65	68	70	71	67	76	64.5
45-35°	2	71	75	68	70	70	68	70	65	76	64.5
	75	72	76	68	70	68	70	71	66	77	65.5
	152	75	81	75	70	69	69	68	63	76	64.5

RA-315-225-3 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

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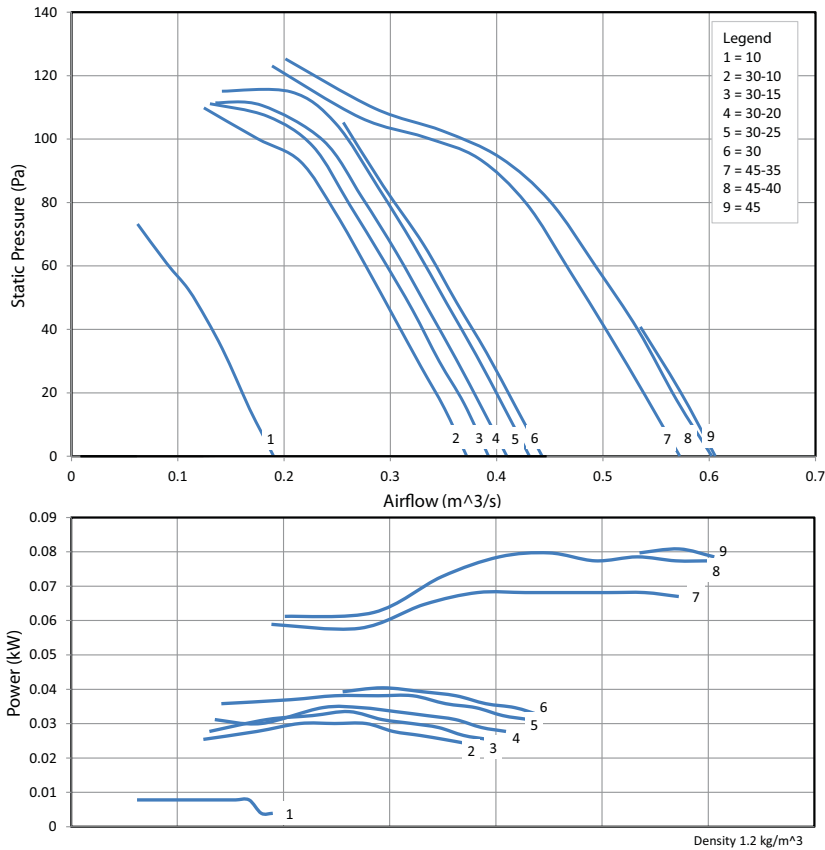


Blade Pitch	FEG
20-10	90
20-15	90
20	90
40-10	75
40-15	80
40-20	80
40-25	85
40-30	80
40-35	80
40	71

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	2	59	64	68	62	67	60	63	56	70	58.5
	75	61	65	71	60	67	60	64	58	71	59.5
	150	69	72	70	65	68	63	65	61	72	60.5
20°	2	59	64	67	66	68	62	63	57	71	59.5
	75	63	66	67	62	68	63	65	60	72	60.5
	152	68	72	71	67	70	67	68	62	75	63.5
40-10°	2	64	68	72	73	69	67	66	63	75	63.5
	75	67	71	69	66	67	66	65	62	73	61.5
	150	68	74	71	68	67	66	65	61	73	61.5
40-25°	2	68	72	67	65	68	68	68	63	74	62.5
	72	67	73	70	64	68	69	69	64	75	63.5
	150	67	72	67	65	68	70	71	67	76	64.5
40-30°	2	68	73	67	64	68	67	68	63	74	62.5
	75	70	75	66	64	68	69	70	66	75	63.5
	147	70	75	66	64	67	69	71	68	76	64.5

RA-315-225-3 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

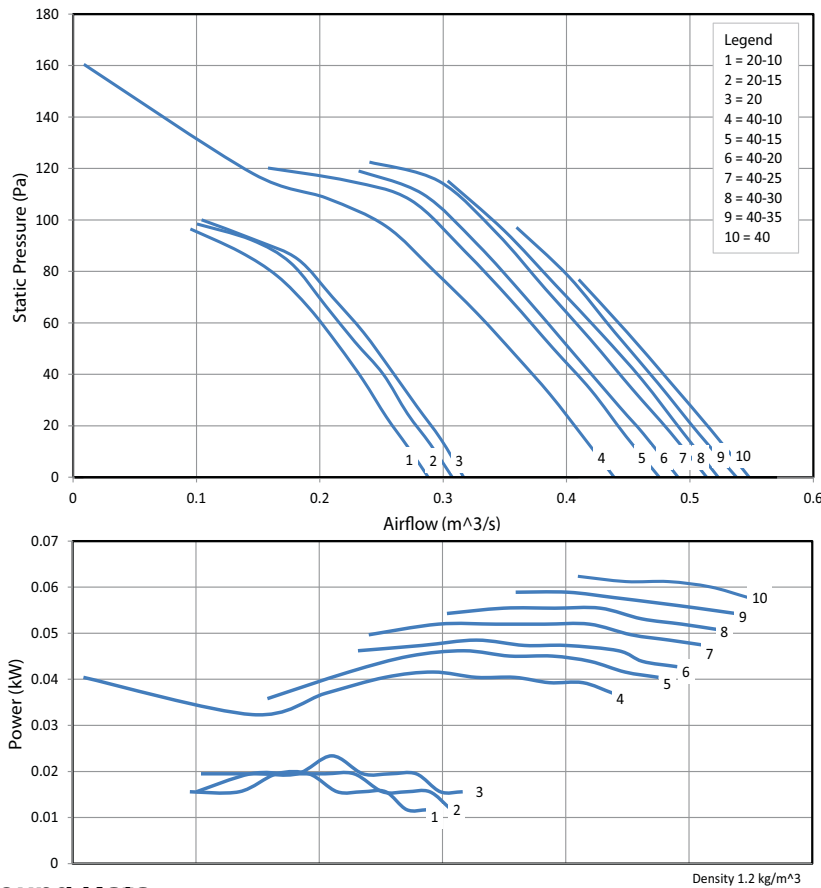


Blade Pitch	FEG
10	85
30-10	80
30-15	85
30-20	85
30-25	85
30	85
45-35	71
45-40	67
45	60

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	2	57	61	63	59	62	58	56	49	66	54.5
	32	57	62	63	59	62	57	55	50	65	53.5
	65	67	64	62	61	62	59	56	51	66	54.5
30-10°	2	59	62	67	65	62	60	60	56	68	56.5
	49	62	63	62	61	61	59	60	57	67	55.5
	102	66	68	67	64	62	61	61	58	69	57.5
30°	2	58	62	60	60	62	60	61	56	67	55.5
	50	58	61	59	60	64	63	63	59	70	58.5
	100	58	61	59	59	64	63	64	61	70	58.5
40-25°	2	65	66	62	62	64	64	62	57	70	58.5
	50	65	68	64	61	64	64	63	59	70	58.5
	99	64	66	62	62	65	66	65	61	72	60.5
45-35°	2	68	69	64	66	65	64	64	59	71	59.5
	50	69	70	65	65	65	66	65	60	72	60.5
	102	72	75	69	66	65	64	62	57	71	59.5

RA-315-225-3 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

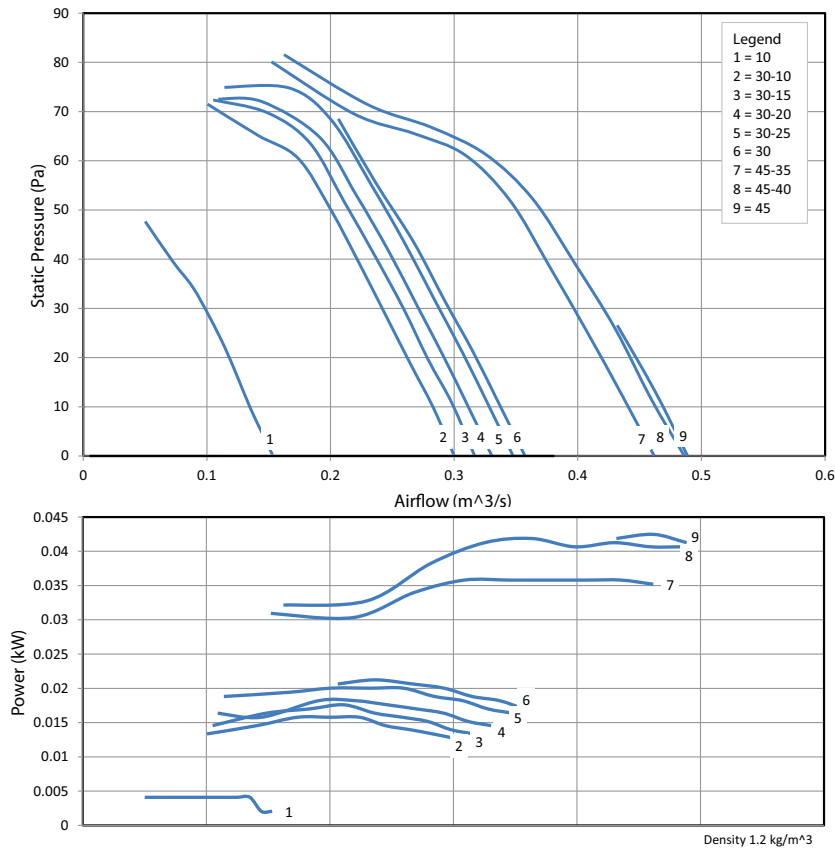


Blade Pitch	FEG
20-10	90
20-15	90
20	90
40-10	75
40-15	80
40-20	80
40-25	85
40-30	80
40-35	80
40	71

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	2	56	61	62	59	60	56	57	49	65	53.5
	50	57	62	63	57	60	57	58	52	65	53.5
	100	65	67	64	62	62	59	60	55	67	55.5
20°	2	56	60	62	62	62	58	57	51	66	54.5
	50	59	62	61	59	62	59	59	55	67	55.5
	102	65	68	65	64	65	63	62	56	70	58.5
40-10°	2	61	65	68	67	64	62	61	58	70	58.5
	50	64	66	64	62	62	61	60	56	68	56.5
	100	65	69	66	63	62	61	59	56	68	56.5
40-25°	2	65	66	62	62	64	64	62	57	70	58.5
	49	65	68	64	61	64	64	63	59	70	58.5
	100	64	66	62	62	65	66	65	61	72	60.5
40-30°	2	65	67	62	61	64	63	63	57	69	57.5
	50	67	68	61	61	64	65	65	60	71	59.5
	99	67	68	61	60	64	65	66	62	71	59.5

RA-315-225-3 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

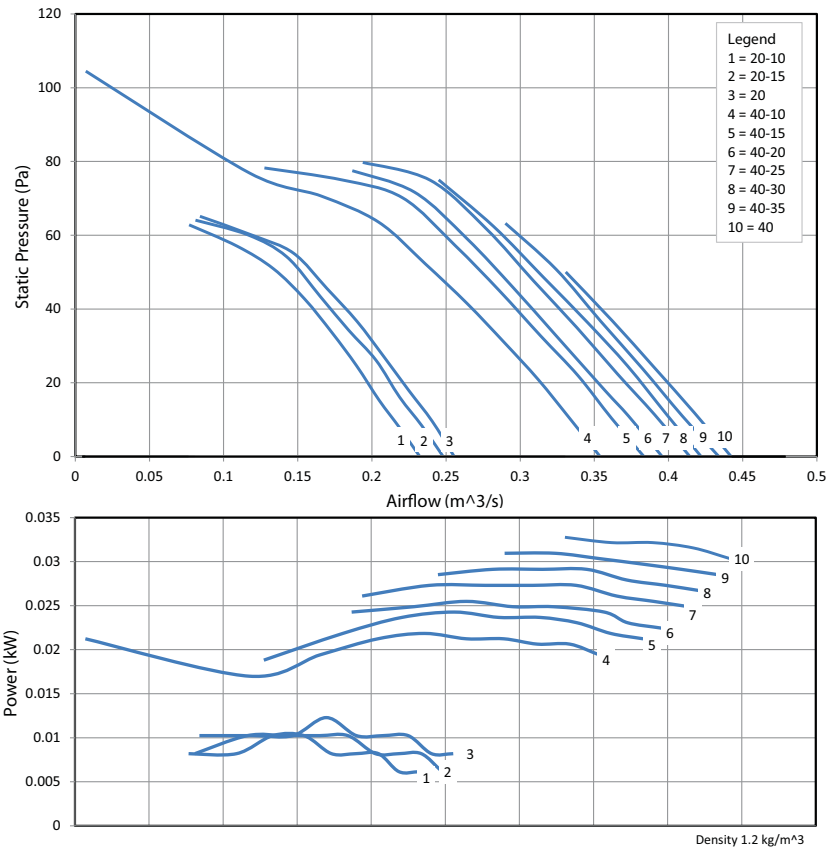


Blade Pitch	FEG
10	85
30-10	80
30-15	85
30-20	85
30-25	85
30	85
45-35	71
45-40	67
45	60

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	0	53	58	56	56	56	53	49	43	60	48.5
	22	54	59	56	56	55	53	49	43	60	48.5
	42	63	58	56	58	56	54	50	45	61	49.5
30-10°	1	55	60	62	60	56	56	54	50	63	51.5
	32	58	58	56	57	55	55	54	51	62	50.5
	67	62	63	61	59	57	57	55	52	63	51.5
30°	1	55	57	55	57	56	56	54	50	62	50.5
	33	55	56	54	57	59	59	57	53	65	53.5
	65	55	56	53	57	59	60	59	56	65	53.5
40-25°	1	61	60	57	58	59	59	56	51	65	53.5
	33	62	62	57	57	59	60	57	53	65	53.5
	64	61	60	57	58	61	61	59	55	67	55.5
45-35°	1	65	62	60	61	60	60	58	53	66	54.5
	33	65	62	61	60	61	62	59	54	67	55.5
	67	70	68	63	61	60	59	56	51	66	54.5

RA-315-225-3 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

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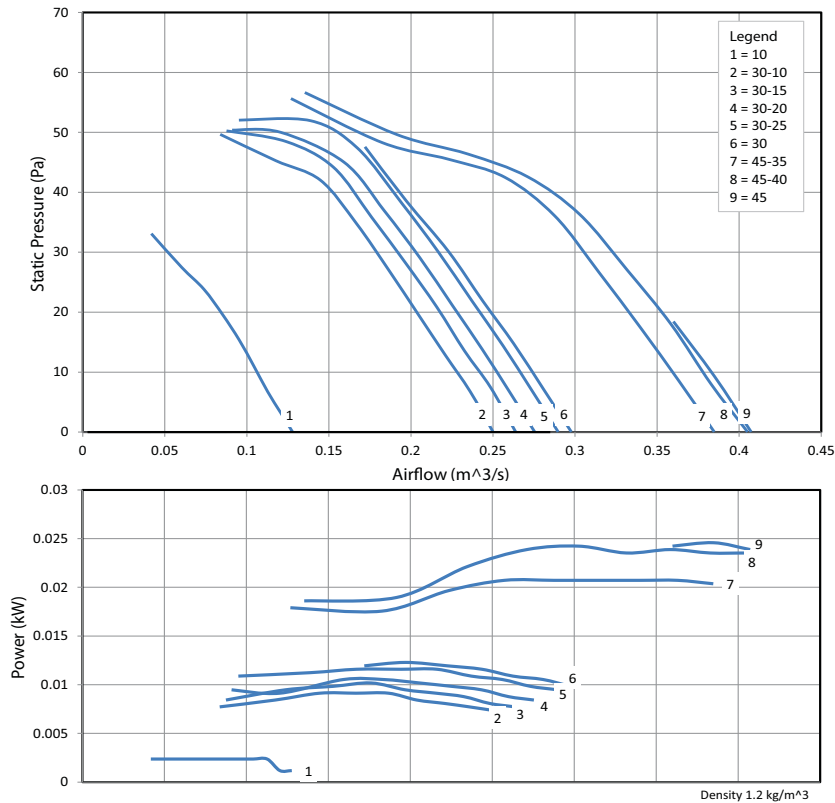


Blade Pitch	FEG
20-10	90
20-15	90
20	90
40-10	75
40-15	80
40-20	80
40-25	85
40-30	80
40-35	80
40	71

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	1	53	57	56	56	54	53	50	42	59	47.5
	33	54	59	55	55	54	53	51	46	60	48.5
	65	62	62	58	58	56	55	54	49	62	50.5
20°	1	53	57	57	58	55	54	50	44	61	49.5
	33	56	57	55	56	56	55	53	49	62	50.5
	67	62	62	60	60	59	58	55	50	65	53.5
40-10°	1	57	61	64	62	59	58	55	52	65	53.5
	33	60	61	59	58	57	56	54	51	63	51.5
	65	63	63	60	58	57	56	53	50	63	51.5
40-25°	1	61	60	57	58	59	59	56	51	65	53.5
	32	62	62	57	57	59	60	57	53	65	53.5
	65	61	60	57	58	61	61	59	55	67	55.5
40-30°	1	62	60	56	58	59	59	56	51	64	52.5
	33	64	61	56	58	60	61	58	54	66	54.5
	64	64	61	56	57	60	61	60	57	67	55.5

RA-315-225-3 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

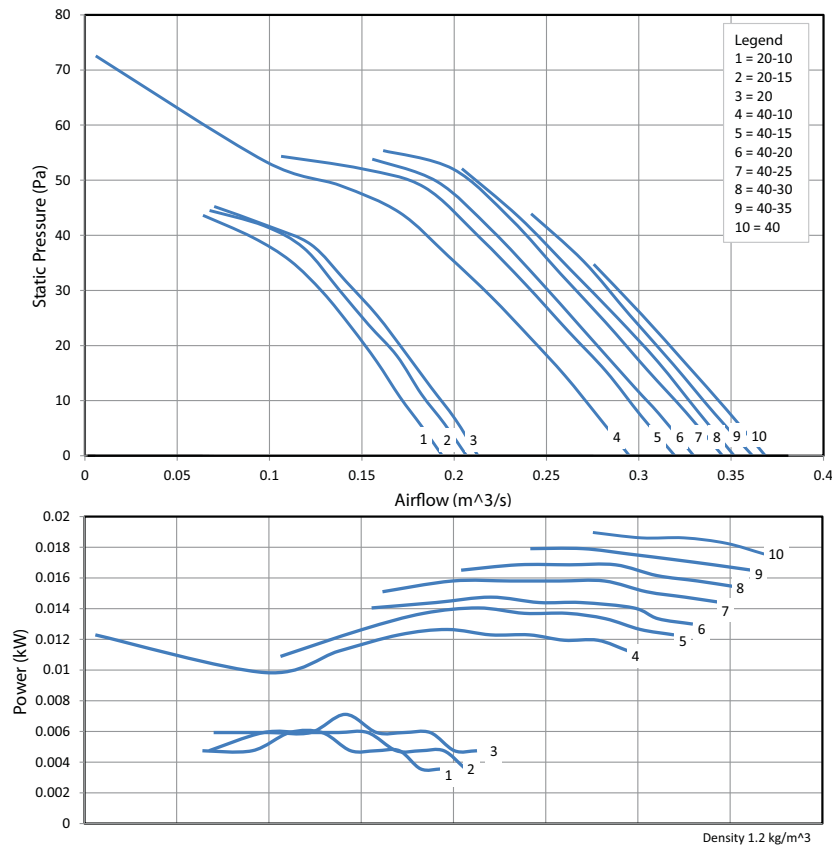


Blade Pitch	FEG
10	85
30-10	80
30-15	85
30-20	85
30-25	85
30	85
45-35	71
45-40	67
45	60

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	0	50	56	50	54	50	49	43	37	56	44.5
	15	52	56	49	54	50	49	43	38	56	44.5
	30	59	54	52	54	51	49	45	39	57	45.5
30-10°	1	52	58	57	55	52	52	49	45	59	47.5
	22	54	54	52	53	50	52	49	46	58	46.5
	46	59	59	56	55	52	53	50	47	59	47.5
30°	1	53	52	51	55	51	53	49	44	58	46.5
	23	53	51	50	55	54	55	52	48	61	49.5
	45	53	51	49	55	54	56	54	51	61	49.5
40-25°	1	59	54	53	55	55	55	51	46	60	48.5
	23	59	57	51	54	56	56	52	47	61	49.5
	45	58	55	52	55	57	58	54	50	63	51.5
45-35°	1	62	56	57	57	55	57	53	48	62	50.5
	23	63	56	57	56	57	58	54	49	63	51.5
	46	67	62	58	56	56	55	51	45	61	49.5

RA-315-225-3 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

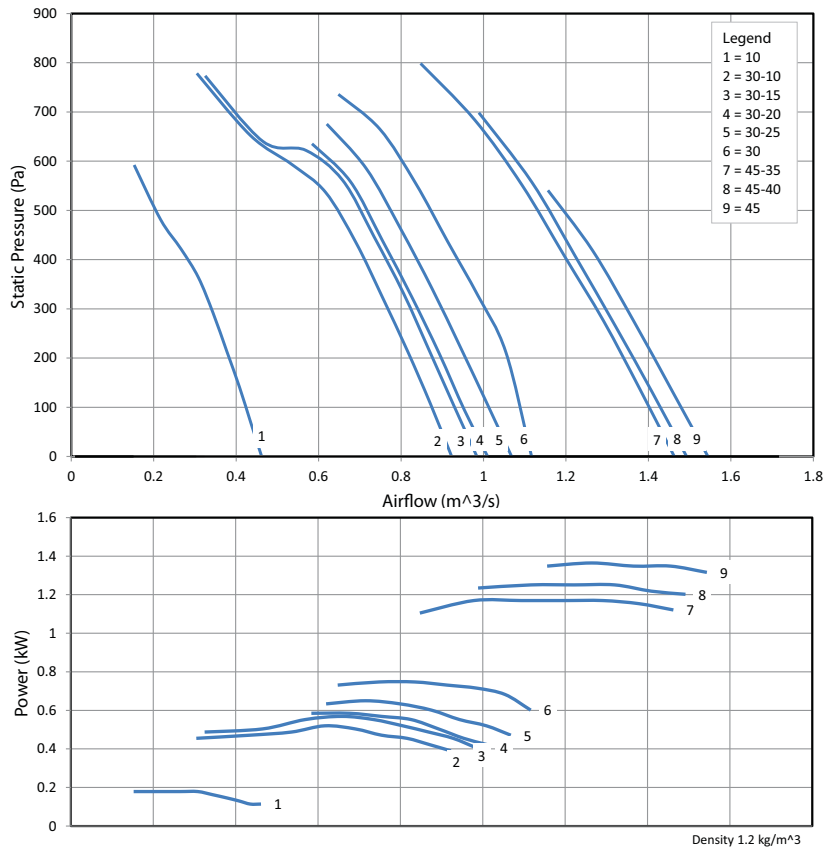


Blade Pitch	FEG
20-10	90
20-15	90
20	90
40-10	75
40-15	80
40-20	80
40-25	85
40-30	80
40-35	80
40	71

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	1	51	54	50	53	48	50	44	36	55	43.5
	23	51	57	48	53	48	50	46	41	56	44.5
	45	58	57	53	54	51	52	49	44	58	46.5
20°	1	50	53	53	55	50	50	45	38	56	44.5
	23	52	54	49	54	51	52	48	43	57	45.5
	46	59	58	55	57	54	55	50	45	60	48.5
40-10°	1	54	59	60	57	54	54	51	47	61	49.5
	23	57	57	54	54	53	52	49	46	59	47.5
	45	60	59	55	54	53	52	49	45	58	46.5
40-25°	1	59	54	53	55	55	55	51	46	60	48.5
	22	59	57	51	54	56	56	52	47	61	49.5
	45	58	55	52	55	57	58	54	50	63	51.5
40-30°	1	60	55	51	55	54	55	51	45	60	48.5
	23	62	55	52	55	56	57	53	49	62	50.5
	45	61	54	51	54	56	58	55	52	63	51.5

RA-315-225-4 (3500 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

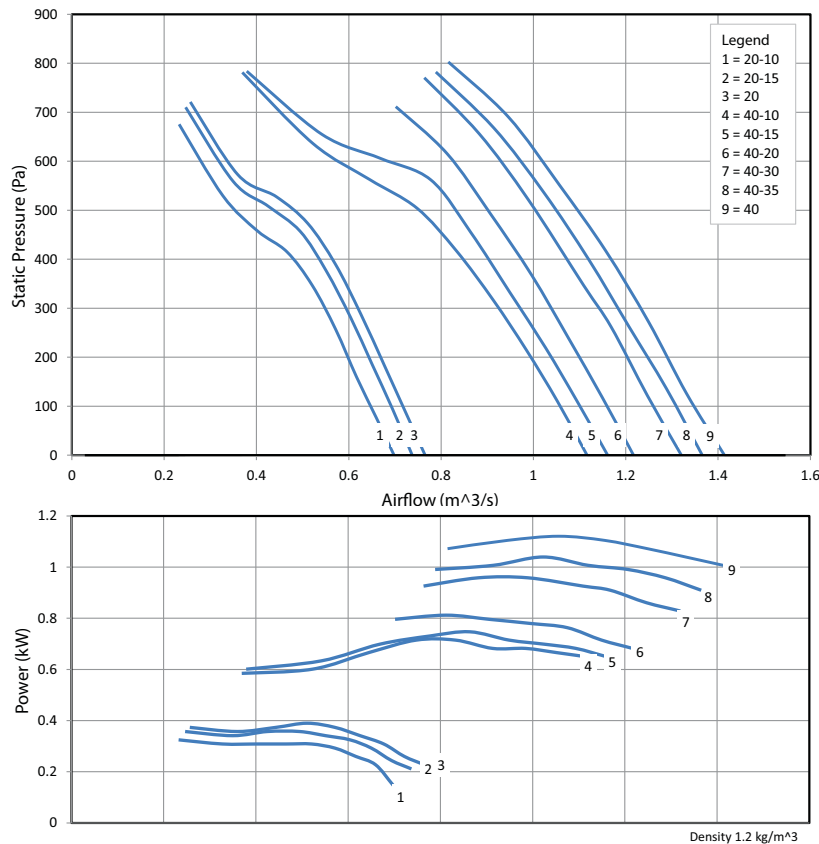


Blade Pitch	FEG
10	75
30-10	80
30-15	80
30-20	80
30-25	85
30	85
45-35	75
45-40	75
45	67

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	10	77	77	77	79	82	81	76	78	87	75.5
	292	76	76	78	82	83	80	76	77	87	75.5
	536	82	82	90	81	82	80	77	78	88	76.5
30-10°	10	77	77	78	79	86	84	82	83	90	78.5
	292	73	73	78	78	82	83	80	83	88	76.5
	585	79	79	83	87	86	82	79	82	90	78.5
30-15°	10	73	73	79	80	88	85	81	83	92	80.5
	302	72	72	80	80	81	83	80	84	89	77.5
	594	80	80	84	83	82	84	81	84	90	78.5
30-25°	10	75	75	77	78	86	85	80	82	91	79.5
	302	76	76	80	76	80	84	82	84	90	78.5
	585	75	75	81	79	82	86	85	87	92	80.5
45-35°	10	76	76	81	78	83	86	86	87	92	80.5
	302	77	77	79	78	82	86	88	89	93	81.5
	585	74	74	80	83	84	85	90	90	94	82.5

RA-315-225-4 (3500 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

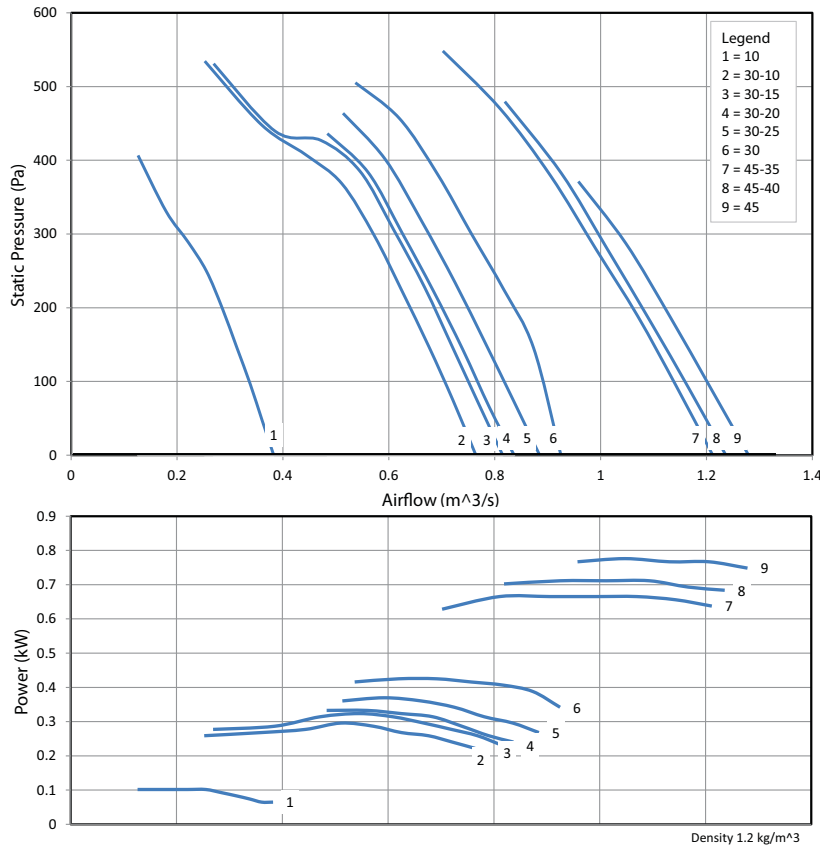


Blade Pitch	FEG
20-10	75
20-15	75
20	80
40-10	71
40-15	75
40-20	80
40-30	80
40-35	80
40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	10	71	71	76	78	83	85	80	81	89	77.5
	263	73	73	78	79	82	84	81	82	89	77.5
	585	94	94	92	84	82	88	85	84	93	81.5
20°	10	67	67	79	77	83	85	80	82	89	77.5
	283	68	68	77	76	79	84	80	82	88	76.5
	614	94	94	101	86	83	90	87	87	97	85.5
40-10°	10	73	73	79	82	86	87	86	87	93	81.5
	302	82	82	81	83	85	85	85	87	92	80.5
	575	91	91	94	88	85	85	83	83	93	81.5
40-25°	10	75	75	79	78	84	84	83	86	91	79.5
	302	77	77	79	78	81	84	84	87	91	79.5
	585	76	76	81	80	82	86	86	88	92	80.5
40-30°	10	74	74	79	78	81	84	81	81	89	77.5
	283	75	75	81	78	80	83	81	82	88	76.5
	594	73	73	81	80	79	82	82	83	89	77.5

RA-315-225-4 (2900 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

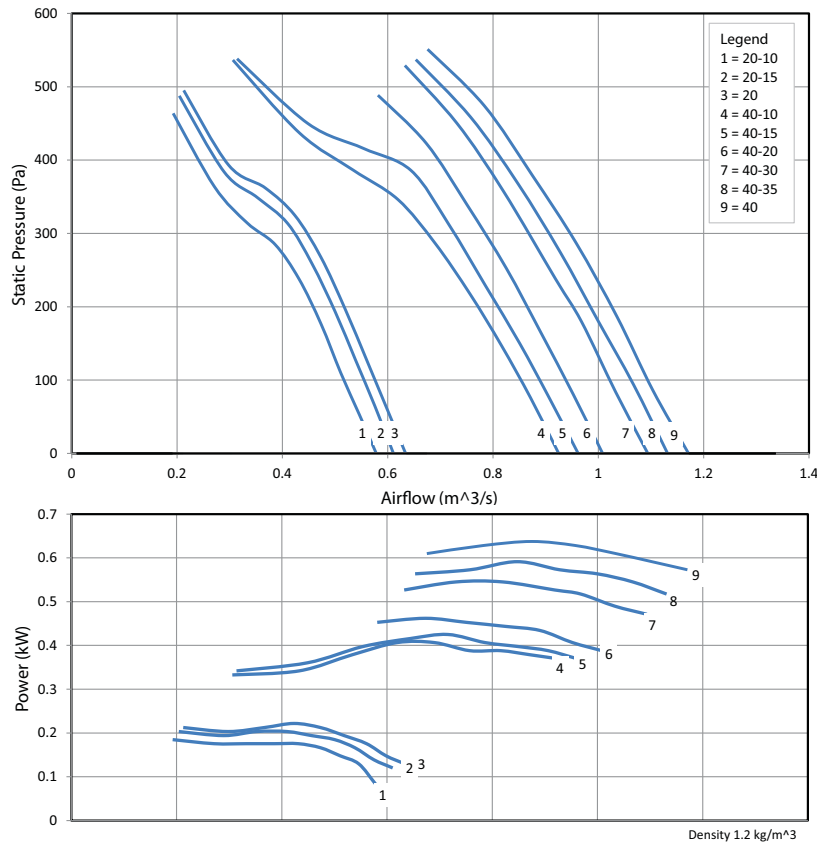


Blade Pitch	FEG
10	75
30-10	80
30-15	80
30-20	80
30-25	85
30	85
45-35	75
45-40	75
45	67

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	7	72	73	74	76	77	75	73	72	82	70.5
	201	72	73	75	78	78	75	72	72	82	70.5
	368	78	80	86	77	77	75	73	72	83	71.5
30-10°	7	73	73	74	77	81	79	78	77	86	74.5
	201	69	70	74	75	78	78	77	77	84	72.5
	401	75	76	80	82	81	77	76	77	86	74.5
30-15°	7	69	71	76	78	83	80	77	77	87	75.5
	207	68	70	76	76	78	78	77	78	84	72.5
	408	76	77	79	79	78	79	78	79	86	74.5
30-25°	7	71	72	73	76	82	80	76	77	86	74.5
	207	72	73	76	73	77	80	79	78	85	73.5
	401	71	72	77	76	79	82	81	81	87	75.5
45-35°	7	72	73	77	76	80	82	82	81	88	76.5
	207	73	73	75	75	79	83	84	83	89	77.5
	401	70	71	77	79	80	82	86	84	90	78.5

RA-315-225-4 (2900 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

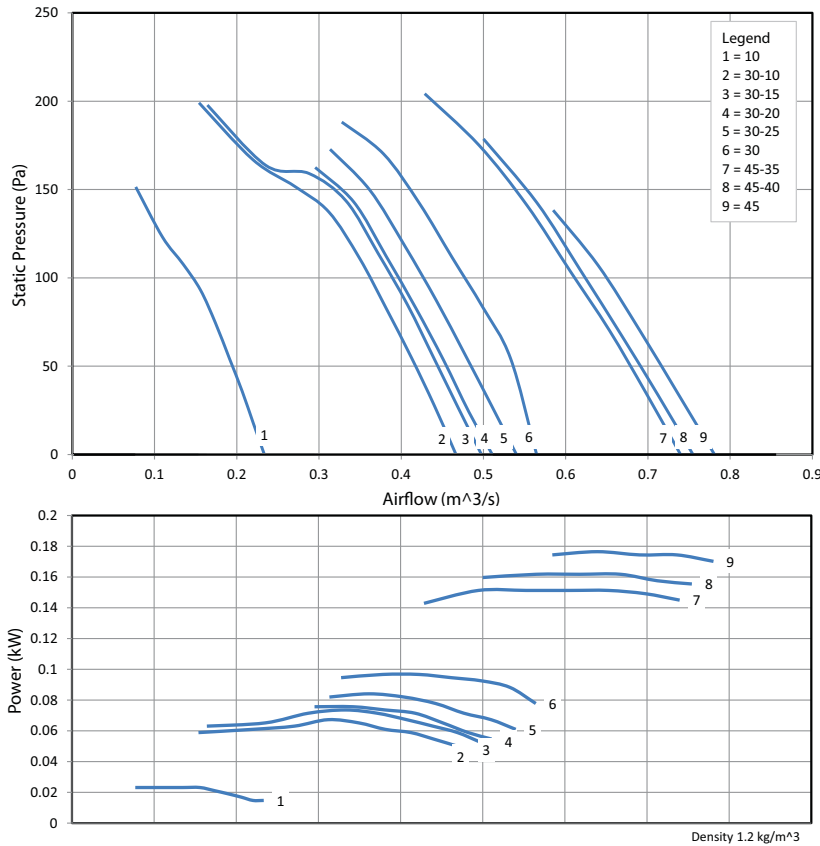


Blade Pitch	FEG
20-10	75
20-15	75
20	80
40-10	71
40-15	75
40-20	80
40-30	80
40-35	80
40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	7	67	69	72	75	79	80	76	74	85	73.5
	181	69	70	74	75	79	79	77	75	85	73.5
	401	90	89	88	79	79	83	80	78	88	76.5
20°	7	63	66	75	75	80	79	76	75	85	73.5
	194	64	66	73	72	76	79	77	76	84	72.5
	421	90	92	97	81	81	85	83	80	92	80.5
40-10°	7	69	71	76	79	83	83	82	81	89	77.5
	207	78	78	78	79	81	81	81	80	88	76.5
	395	87	88	89	83	81	80	79	76	88	76.5
40-25°	7	71	72	74	76	80	80	79	80	86	74.5
	207	73	73	75	75	78	80	81	81	86	74.5
	401	72	73	77	76	79	82	82	82	88	76.5
40-30°	7	70	71	75	75	78	79	77	76	84	72.5
	194	71	73	77	74	77	78	77	77	84	72.5
	408	68	71	77	76	76	78	78	78	85	73.5

RA-315-225-4 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

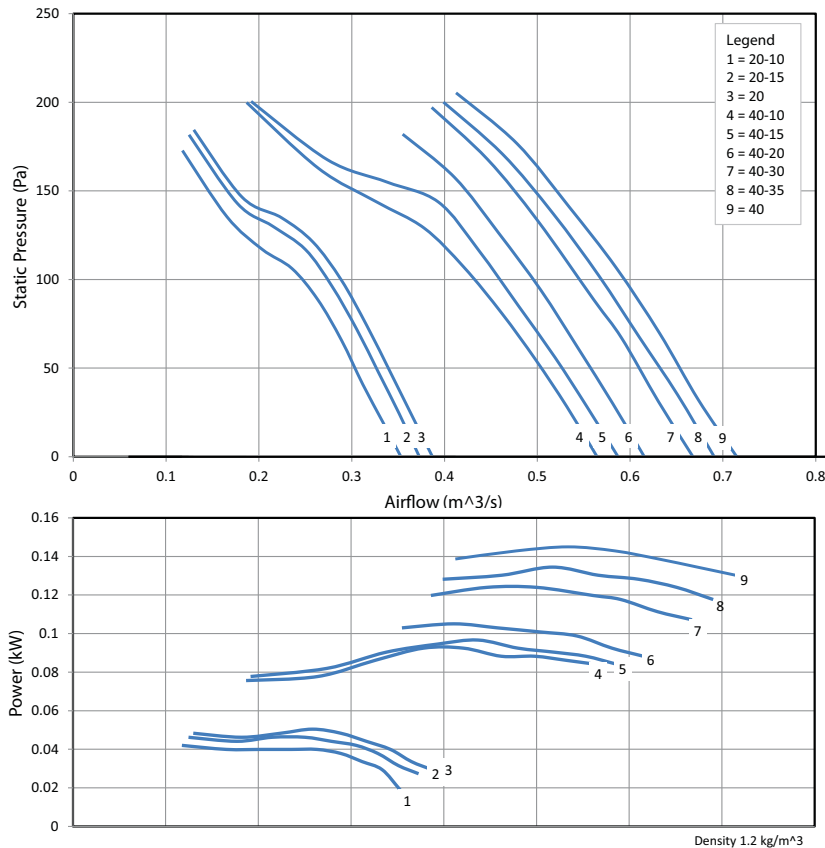


Blade Pitch	FEG
10	75
30-10	80
30-15	80
30-20	80
30-25	85
30	85
45-35	75
45-40	75
45	67

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	2	62	62	64	67	66	62	63	56	71	59.5
	75	61	63	67	68	65	61	63	57	71	59.5
	137	67	76	66	68	65	62	63	58	71	59.5
30-10°	2	62	63	64	71	69	67	68	62	75	63.5
	75	58	63	63	67	68	65	68	62	73	61.5
	150	64	68	72	71	68	64	68	62	74	62.5
30-15°	2	58	65	65	73	70	66	69	61	76	64.5
	77	58	65	65	66	68	65	69	62	74	62.5
	152	65	69	68	67	70	66	70	64	75	63.5
30-25°	2	60	62	63	72	71	65	68	61	75	63.5
	77	61	65	61	65	70	67	69	63	75	63.5
	150	60	66	64	67	71	70	72	66	77	65.5
45-35°	2	61	66	64	68	71	71	73	66	78	66.5
	77	62	64	63	68	71	73	74	67	79	67.5
	150	59	65	68	69	70	75	75	69	80	68.5

RA-315-225-4 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

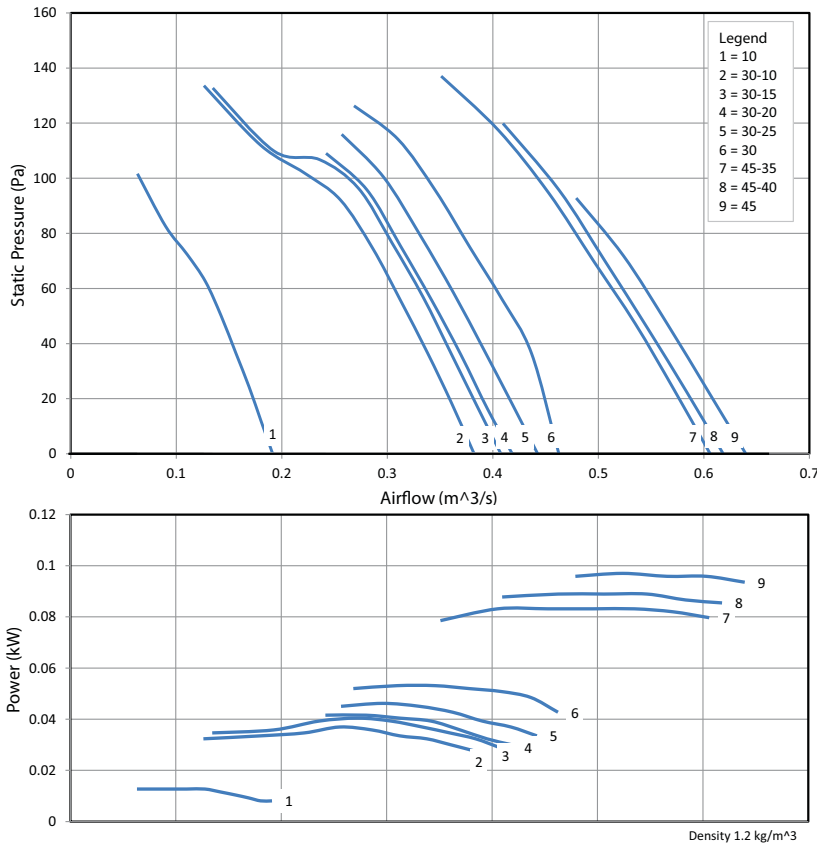


Blade Pitch	FEG
20-10	75
20-15	75
20	80
40-10	71
40-15	75
40-20	80
40-30	80
40-35	80
40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	2	57	61	63	68	70	66	66	58	74	62.5
	67	58	63	64	67	70	66	67	59	74	62.5
	150	79	77	69	67	73	70	69	62	77	65.5
20°	2	52	65	63	69	70	65	67	59	74	62.5
	72	53	62	61	64	69	66	67	60	73	61.5
	157	79	86	71	68	75	73	72	64	80	68.5
40-10°	2	59	64	67	71	73	71	73	63	78	66.5
	77	67	67	68	71	70	70	72	61	77	65.5
	147	76	79	74	70	70	68	68	59	76	64.5
40-25°	2	61	64	63	69	69	68	71	63	76	64.5
	77	62	65	63	66	69	69	72	65	76	64.5
	150	61	66	65	67	71	71	73	66	78	66.5
40-30°	2	59	64	63	66	69	66	66	64	73	61.5
	72	60	66	63	65	68	66	67	65	74	62.5
	152	58	66	65	65	68	67	68	66	74	62.5

RA-315-225-4 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

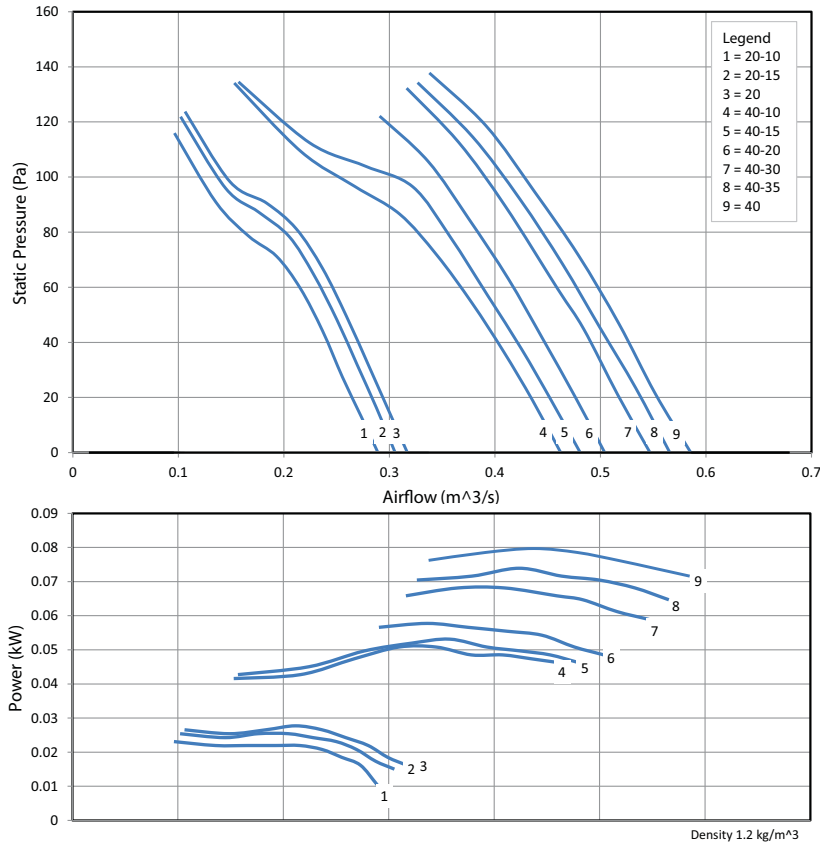


Blade Pitch	FEG
10	75
30-10	80
30-15	80
30-20	80
30-25	85
30	85
45-35	75
45-40	75
45	67

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	2	58	58	61	62	60	58	57	50	66	54.5
	50	58	60	63	63	60	57	57	51	66	54.5
	92	66	71	62	62	60	58	57	52	66	54.5
30-10°	2	58	59	62	66	64	63	62	56	70	58.5
	50	55	59	60	63	63	61	62	56	68	56.5
	100	61	65	67	66	62	61	62	56	69	57.5
30-15°	2	56	60	63	68	65	62	62	54	70	58.5
	52	55	61	61	63	63	62	63	56	69	57.5
	102	62	64	64	63	64	63	64	57	70	58.5
30-25°	2	56	58	61	67	65	61	61	55	70	58.5
	52	58	61	58	62	65	64	63	57	70	58.5
	100	57	62	60	64	67	66	66	60	72	60.5
45-35°	2	58	62	61	65	67	67	66	60	73	61.5
	52	58	60	60	64	67	69	68	61	74	62.5
	100	56	62	64	65	67	71	69	62	75	63.5

RA-315-225-4 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

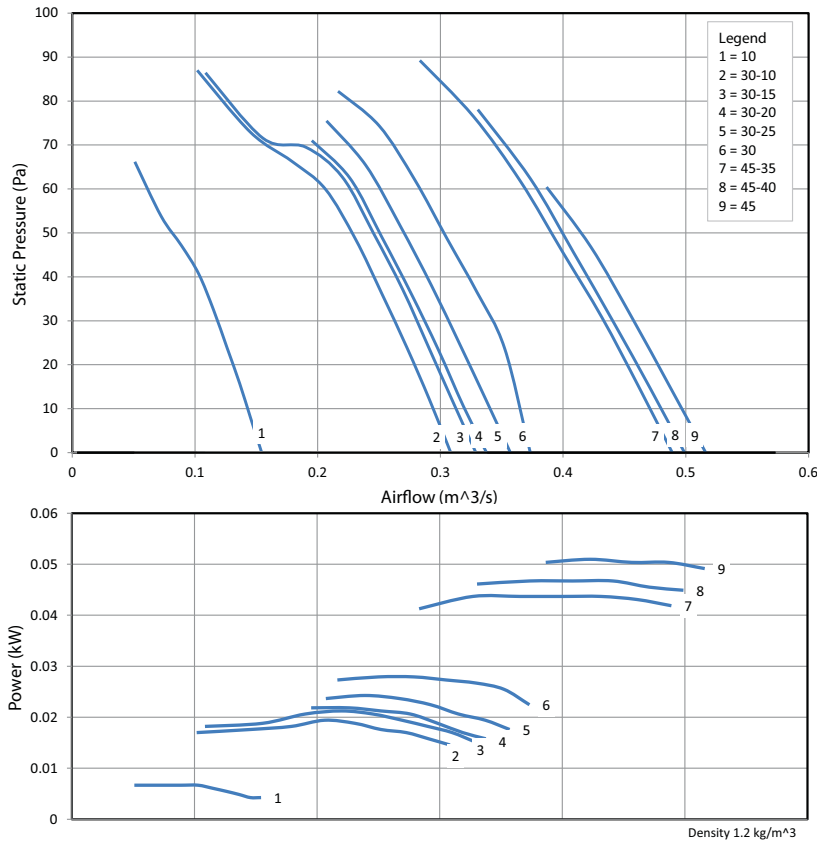


Blade Pitch	FEG
20-10	75
20-15	75
20	80
40-10	71
40-15	75
40-20	80
40-30	80
40-35	80
40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	2	54	57	60	64	64	61	59	51	69	57.5
	45	55	59	60	64	64	62	60	52	69	57.5
	100	74	73	64	64	68	65	63	56	72	60.5
20°	2	51	60	60	65	64	61	60	52	69	57.5
	49	51	58	57	61	64	62	61	54	68	56.5
	105	77	82	66	66	70	68	65	57	75	63.5
40-10°	2	56	60	64	67	68	67	66	56	73	61.5
	52	63	63	64	66	66	66	65	53	72	60.5
	99	73	74	68	66	65	64	61	52	71	59.5
40-25°	2	57	59	60	65	65	64	64	57	71	59.5
	52	58	60	60	63	65	66	65	58	71	59.5
	100	58	62	61	64	67	67	67	60	73	61.5
40-30°	2	56	60	59	63	64	62	61	59	69	57.5
	49	58	62	59	62	63	62	62	60	69	57.5
	102	56	62	61	61	63	63	63	62	70	58.5

RA-315-225-4 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

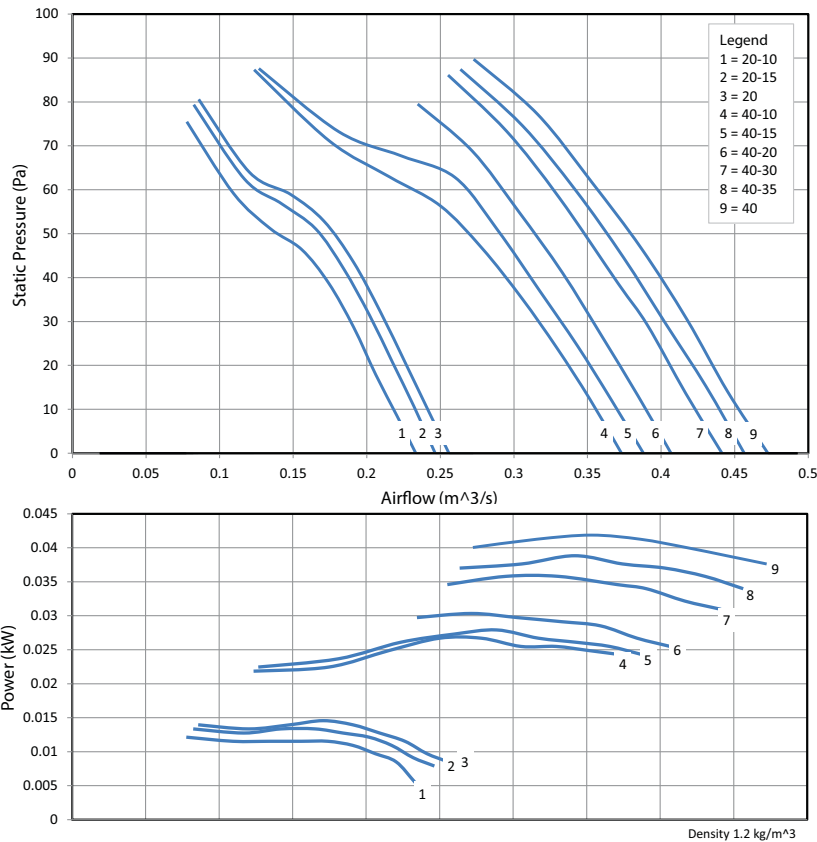


Blade Pitch	FEG
10	75
30-10	80
30-15	80
30-20	80
30-25	85
30	85
45-35	75
45-40	75
45	67

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	1	53	54	57	57	54	54	50	43	60	48.5
	33	54	56	59	57	54	53	50	45	60	48.5
	60	67	61	58	57	54	54	51	46	61	49.5
30-10°	1	54	55	59	61	59	59	56	49	65	53.5
	33	54	54	57	58	57	58	55	49	63	51.5
	65	59	62	62	60	57	57	55	50	64	52.5
30-15°	1	56	56	61	62	59	59	55	47	65	53.5
	34	56	56	57	59	57	58	56	49	64	52.5
	67	60	60	58	59	59	59	57	51	65	53.5
30-25°	1	53	54	59	62	58	58	55	48	64	52.5
	34	56	54	54	59	59	60	57	50	65	53.5
	65	57	56	57	60	61	62	59	53	67	55.5
45-35°	1	57	56	57	61	62	63	60	53	68	56.5
	34	55	54	57	61	63	65	61	54	69	57.5
	65	56	58	60	61	64	66	62	56	70	58.5

RA-315-225-4 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

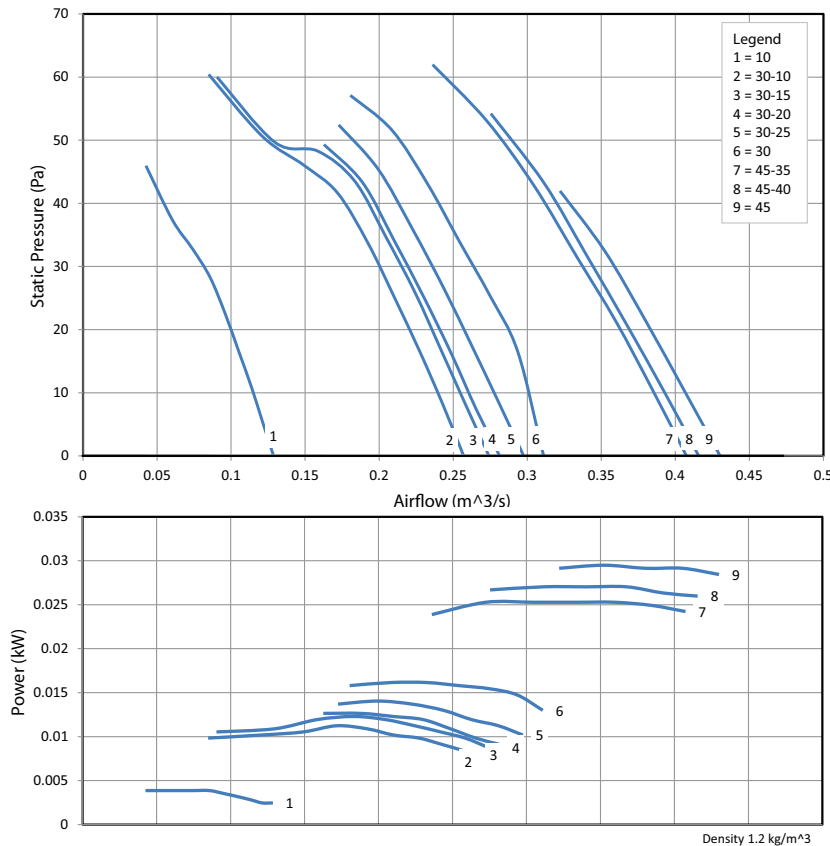


Blade Pitch	FEG
20-10	75
20-15	75
20	80
40-10	71
40-15	75
40-20	80
40-30	80
40-35	80
40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	1	52	53	57	60	58	57	52	44	63	51.5
	29	54	54	57	60	59	58	53	45	64	52.5
	65	69	64	59	62	62	60	56	49	66	54.5
20°	1	56	54	57	60	58	57	53	45	63	51.5
	32	53	52	54	58	58	58	54	47	63	51.5
	69	77	68	60	63	65	63	58	50	69	57.5
40-10°	1	55	57	61	63	63	63	58	48	68	56.5
	34	58	58	61	61	61	62	57	45	67	55.5
	64	70	67	63	61	60	59	54	45	65	53.5
40-25°	1	55	54	58	60	59	61	57	50	66	54.5
	34	56	55	56	59	60	62	59	52	66	54.5
	65	57	56	57	60	62	63	60	54	68	56.5
40-30°	1	55	54	56	59	58	57	56	53	64	52.5
	32	57	55	55	58	58	58	57	55	64	52.5
	67	57	57	56	57	59	59	58	56	65	53.5

RA-315-225-4 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

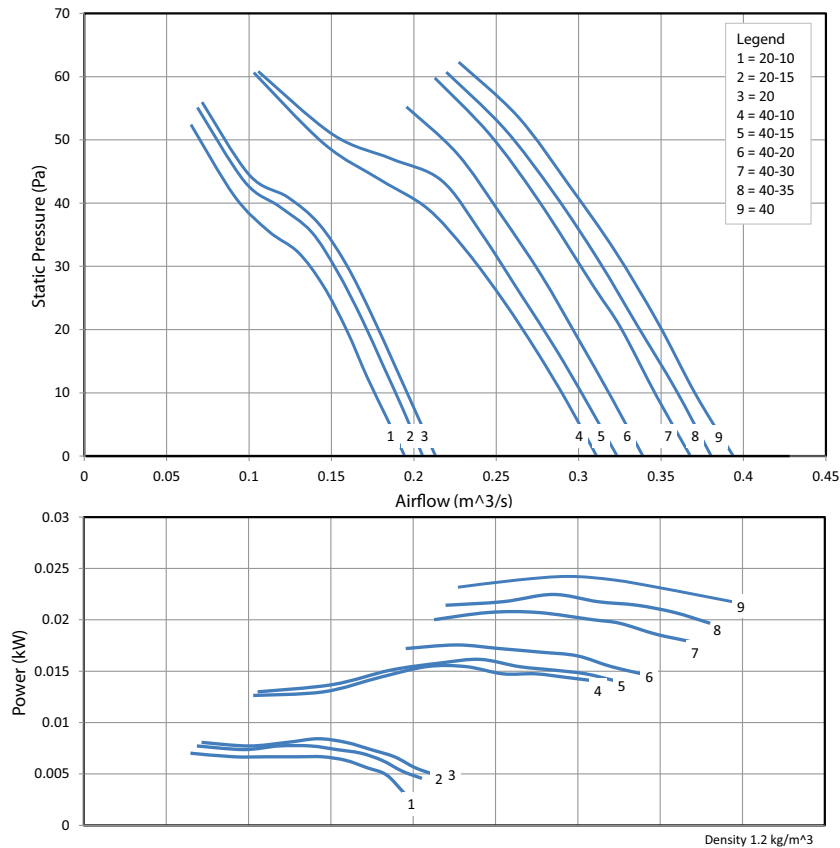


Blade Pitch	FEG
10	75
30-10	80
30-15	80
30-20	80
30-25	85
30	85
45-35	75
45-40	75
45	67

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	1	49	51	54	53	49	50	44	37	56	44.5
	23	50	54	55	53	49	50	45	39	56	44.5
	42	63	55	54	52	49	50	46	41	56	44.5
30-10°	1	50	51	57	56	54	55	50	44	61	49.5
	23	51	50	54	55	52	55	50	44	59	47.5
	45	56	59	58	55	52	54	50	44	60	48.5
30-15°	1	52	52	59	58	54	55	49	41	61	49.5
	23	52	52	53	55	52	56	50	43	60	48.5
	46	56	55	54	56	54	56	51	45	61	49.5
30-25°	1	50	50	58	58	53	54	49	42	60	48.5
	23	53	49	51	56	55	56	51	45	61	49.5
	45	53	51	53	58	57	59	54	48	63	51.5
45-35°	1	54	51	55	58	58	59	54	48	64	52.5
	23	51	50	54	58	60	61	55	49	65	53.5
	45	52	55	56	57	62	62	57	50	67	55.5

RA-315-225-4 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

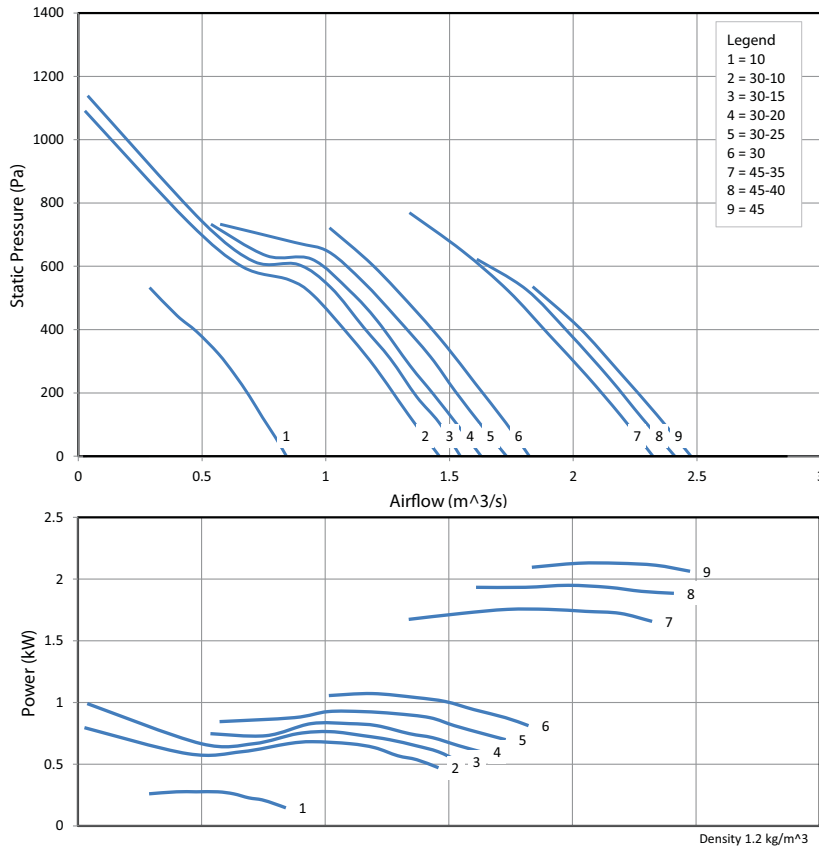


Blade Pitch	FEG
20-10	75
20-15	75
20	80
40-10	71
40-15	75
40-20	80
40-30	80
40-35	80
40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	1	48	50	54	57	53	53	46	38	59	47.5
	20	50	51	54	56	54	54	47	39	59	47.5
	45	65	58	54	59	57	56	50	43	62	50.5
20°	1	52	50	55	57	53	54	47	39	59	47.5
	22	50	48	50	55	53	54	48	41	59	47.5
	48	73	60	56	61	60	59	52	44	65	53.5
40-10°	1	51	54	58	60	58	60	51	41	64	52.5
	23	54	55	57	57	57	59	50	38	63	51.5
	45	66	61	58	57	56	55	47	38	61	49.5
40-25°	1	51	50	55	56	55	58	52	44	62	50.5
	23	52	50	53	56	56	59	53	46	63	51.5
	45	53	52	53	57	58	60	54	48	64	52.5
40-30°	1	51	50	53	56	54	53	51	48	60	48.5
	22	54	50	52	55	54	54	52	50	60	48.5
	46	54	52	52	54	55	55	54	52	61	49.5

RA-355-225-3 (3500 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

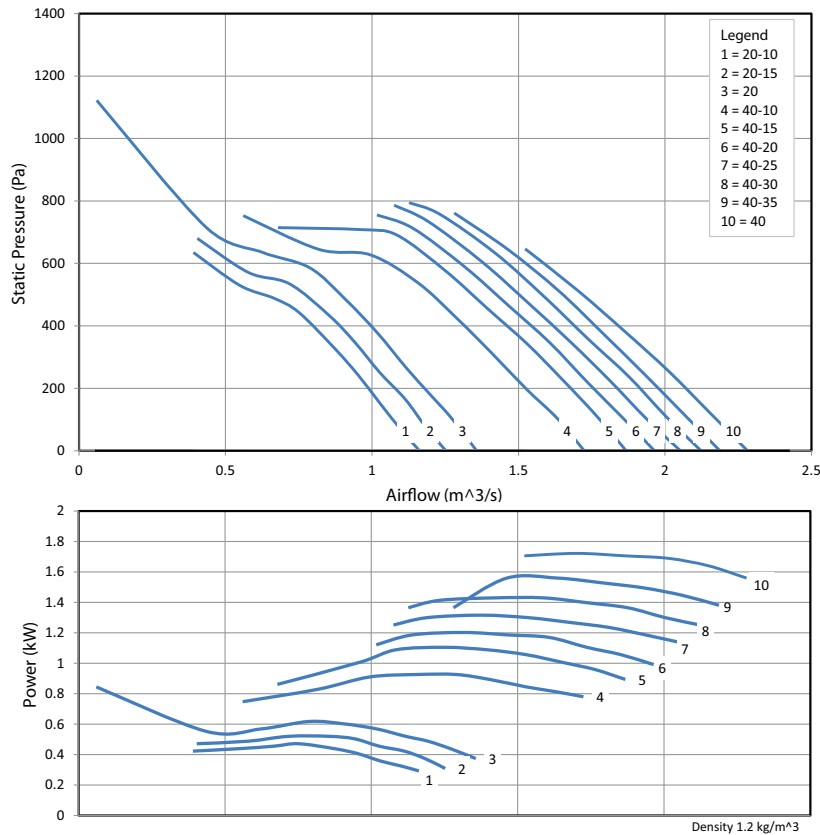


Blade Pitch	FEG
10	80
30-10	90
30-15	90
30-20	90
30-25	90
30	85
45-35	80
45-40	75
45	75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	10	77	77	78	77	76	82	81	81	87	75.5
	292	78	78	81	81	78	82	80	82	88	76.5
	604	87	87	85	84	81	86	85	86	92	80.5
30-10°	19	80	80	81	79	81	104	101	98	107	95.5
	283	81	81	81	79	81	105	101	97	108	96.5
	585	91	91	92	95	87	98	96	93	102	90.5
30-25°	19	81	81	80	78	79	85	86	84	91	79.5
	302	84	84	84	81	79	86	90	88	94	82.5
	585	81	81	83	82	80	86	91	89	94	82.5
40-25°	19	83	83	81	81	83	86	87	86	93	81.5
	302	88	88	85	82	82	86	90	89	94	82.5
	584	86	86	86	84	83	88	91	90	95	83.5
45°	19	91	91	87	81	90	90	94	92	98	86.5
	292	96	96	93	85	90	88	91	93	97	85.5
	585	105	105	103	92	88	88	90	87	99	87.5

RA-355-225-3 (3500 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

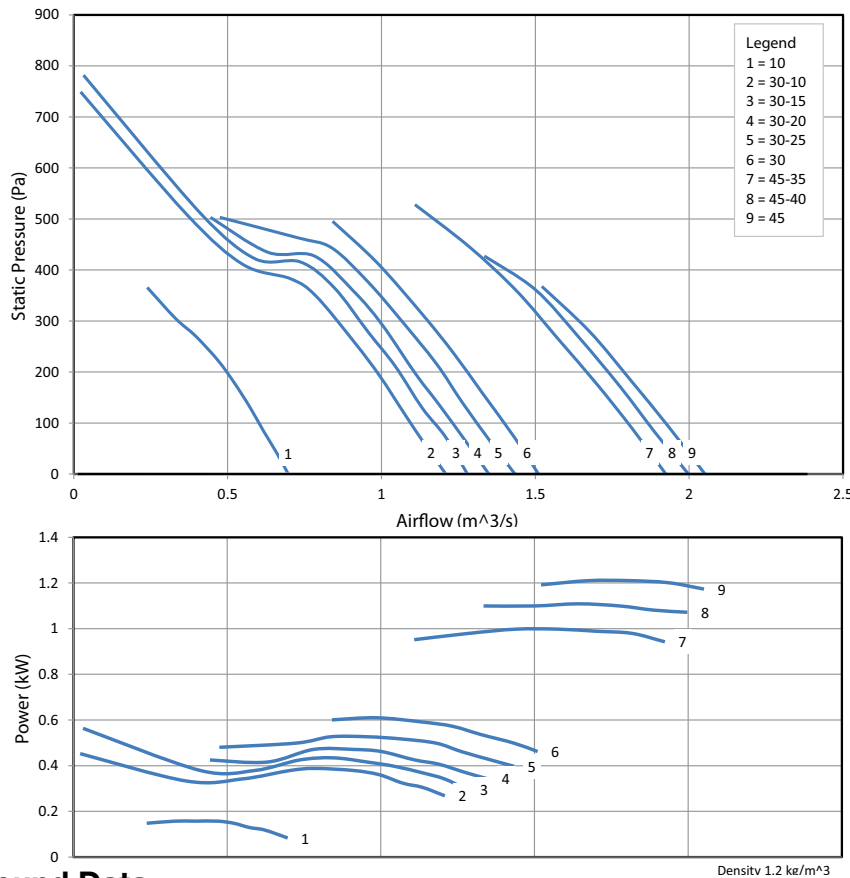


Blade Pitch	FEG
20-10	85
20-15	90
20	90
40-10	90
40-15	85
40-20	85
40-25	85
40-30	85
40-35	90
40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20°	19	73	73	76	81	79	84	82	82	89	77.5
	302	82	82	83	81	76	84	84	84	90	78.5
	594	84	84	86	85	80	86	88	88	93	81.5
40-10°	205	99	99	107	107	106	104	101	98	111	99.5
	935	98	98	105	106	106	105	101	97	111	99.5
	2358	103	103	99	101	101	98	96	93	105	93.5
40-20°	19	85	85	83	83	83	86	87	86	93	81.5
	292	87	87	85	81	81	85	88	87	93	81.5
	594	81	81	85	83	82	87	91	90	95	83.5
40°	19	91	91	87	81	83	89	94	91	97	85.5
	292	95	95	92	86	83	88	93	91	97	85.5
	585	91	91	92	86	82	86	89	92	95	83.5
45-40°	19	89	89	84	81	84	89	94	92	98	86.5
	292	89	89	86	83	84	89	92	92	97	85.5
	594	97	97	97	90	84	87	92	89	97	85.5

RA-355-225-3 (2900 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

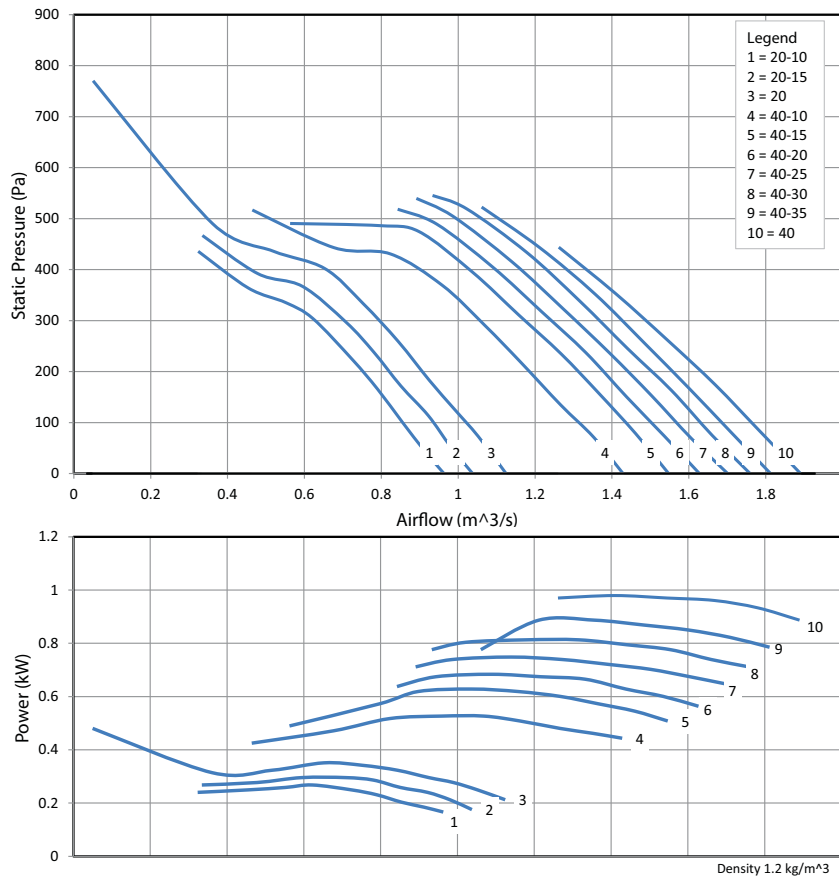


Blade Pitch	FEG
10	80
30-10	90
30-15	90
30-20	90
30-25	90
30	85
45-35	80
45-40	75
45	75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	7	72	73	73	72	74	78	77	75	83	71.5
	201	73	75	77	76	75	77	77	76	83	71.5
	415	82	82	81	79	78	82	81	81	88	76.5
30-10°	13	76	76	76	76	83	99	96	93	102	90.5
	194	77	77	77	75	83	100	96	92	103	91.5
	401	87	87	88	89	86	93	91	88	98	86.5
30-25°	13	77	77	76	74	77	81	81	78	87	75.5
	207	80	80	79	76	77	83	86	82	90	78.5
	401	77	78	79	77	78	83	86	83	90	78.5
40-25°	13	79	79	77	78	80	82	83	81	88	76.5
	207	84	84	80	78	79	83	86	84	90	78.5
	401	82	82	82	80	80	85	86	84	91	79.5
45°	13	87	87	82	80	86	87	89	87	94	82.5
	201	92	92	87	82	85	85	88	87	93	81.5
	401	101	101	96	87	84	85	85	82	93	81.5

RA-355-225-3 (2900 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

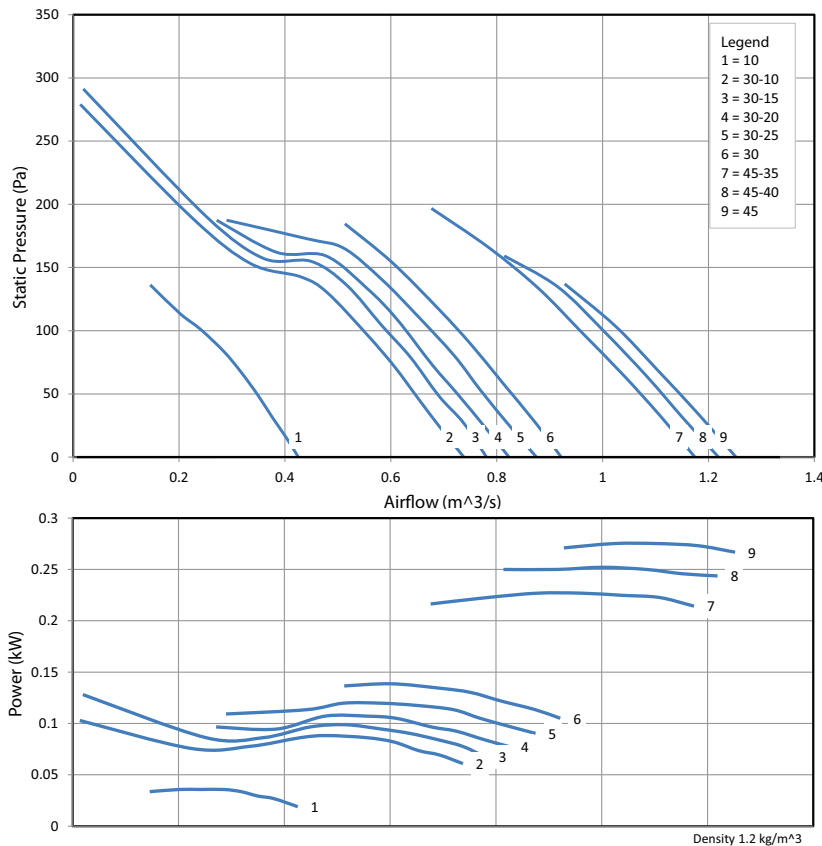


Blade Pitch	FEG
20-10	85
20-15	90
20	90
40-10	90
40-15	85
40-20	85
40-25	85
40-30	85
40-35	90
40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20°	13	69	69	73	76	76	79	78	76	85	73.5
	207	78	78	78	75	74	80	80	79	86	74.5
	408	80	80	82	80	78	82	84	83	89	77.5
40-10°	141	95	97	103	103	102	99	96	93	106	94.5
	642	94	96	101	102	102	100	96	92	106	94.5
	1619	99	99	95	97	96	93	91	88	101	89.5
40-20°	13	81	81	79	79	79	82	83	81	89	77.5
	201	83	83	80	77	78	82	84	82	89	77.5
	408	77	78	80	79	79	84	87	84	91	79.5
40°	13	86	86	81	78	81	86	89	85	93	81.5
	201	91	91	87	81	80	85	89	86	93	81.5
	401	87	87	86	81	79	83	86	87	91	79.5
45-40°	13	84	84	79	78	81	86	89	86	93	81.5
	201	85	85	81	79	81	85	88	87	93	81.5
	408	93	93	91	84	81	84	87	83	92	80.5

RA-355-225-3 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

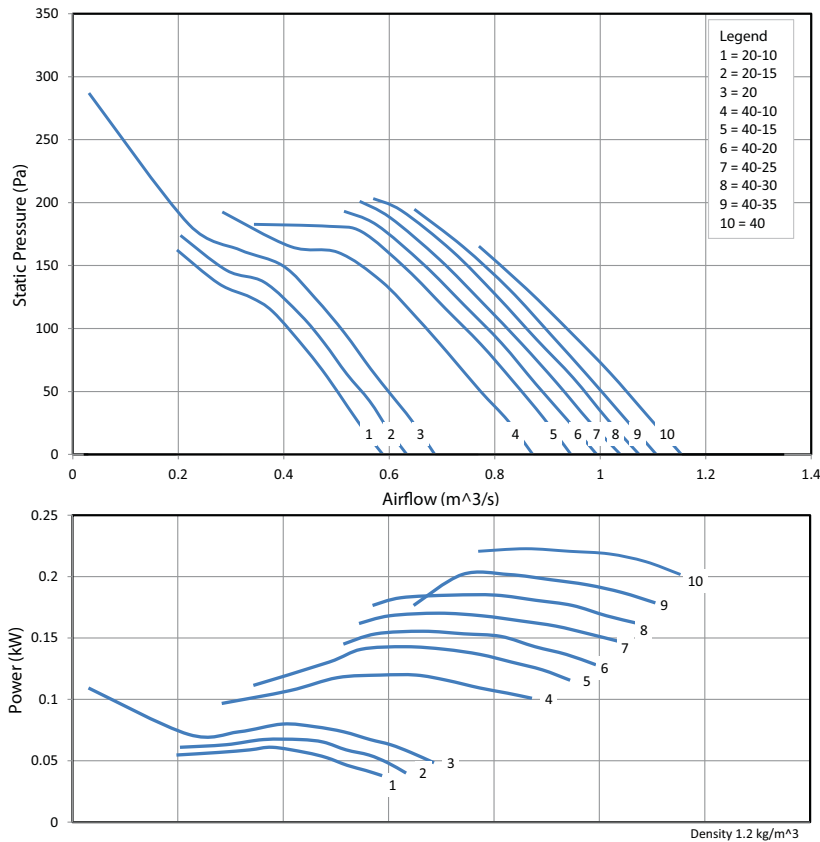


Blade Pitch	FEG
10	80
30-10	90
30-15	90
30-20	90
30-25	90
30	85
45-35	80
45-40	75
45	75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	2	62	63	62	61	68	66	67	59	73	61.5
	75	63	66	66	63	67	65	68	61	73	61.5
	154	72	70	70	66	71	70	72	66	77	65.5
30-10°	5	65	66	65	66	89	86	83	80	92	80.5
	72	66	66	64	65	90	86	83	78	93	81.5
	150	76	77	80	72	83	81	78	75	87	75.5
30-25°	5	66	66	63	64	70	71	69	64	76	64.5
	77	69	70	67	64	71	76	73	66	80	68.5
	150	66	69	67	65	71	76	74	69	80	68.5
40-25°	5	68	66	67	68	71	72	72	68	78	66.5
	77	73	71	67	67	71	75	74	70	80	68.5
	149	71	71	69	68	73	76	75	71	81	69.5
45°	5	76	73	66	75	75	79	78	72	84	72.5
	75	82	79	70	75	73	76	78	73	83	71.5
	150	90	88	77	73	73	75	73	66	81	69.5

RA-355-225-3 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

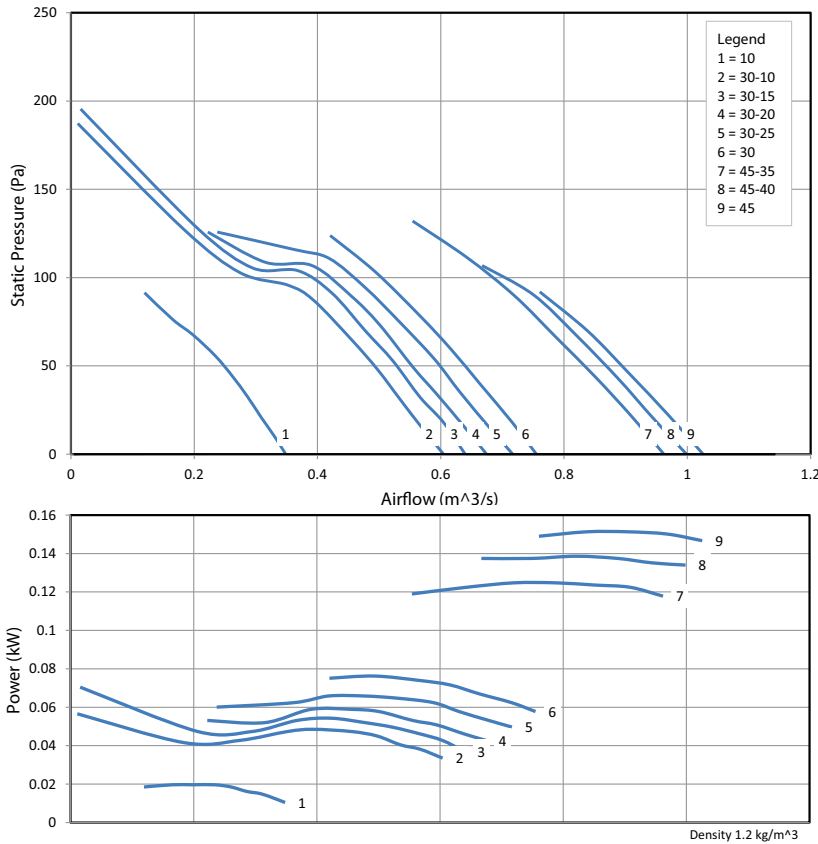


Blade Pitch	FEG
20-10	85
20-15	90
20	90
40-10	90
40-15	85
40-20	85
40-25	85
40-30	85
40-35	90
40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20°	5	58	61	66	64	69	67	67	61	74	62.5
	77	67	69	66	61	69	70	69	64	75	63.5
	152	69	71	70	65	71	73	74	69	79	67.5
40-10°	52	84	93	92	91	89	86	83	80	94	82.5
	239	83	90	91	91	90	86	83	78	94	82.5
	603	88	84	86	86	83	81	78	75	89	77.5
40-20°	5	70	68	68	68	71	72	72	67	78	66.5
	75	72	71	66	66	70	73	72	68	78	66.5
	152	67	70	69	67	73	76	75	69	81	69.5
40°	5	76	72	66	68	74	79	76	70	83	71.5
	75	80	78	72	68	73	78	77	71	83	71.5
	150	76	77	72	67	71	74	77	76	82	70.5
45-40°	5	74	70	66	69	74	79	77	71	83	71.5
	75	75	72	68	69	74	78	78	72	83	71.5
	152	82	83	75	70	72	77	74	68	81	69.5

RA-355-225-3 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

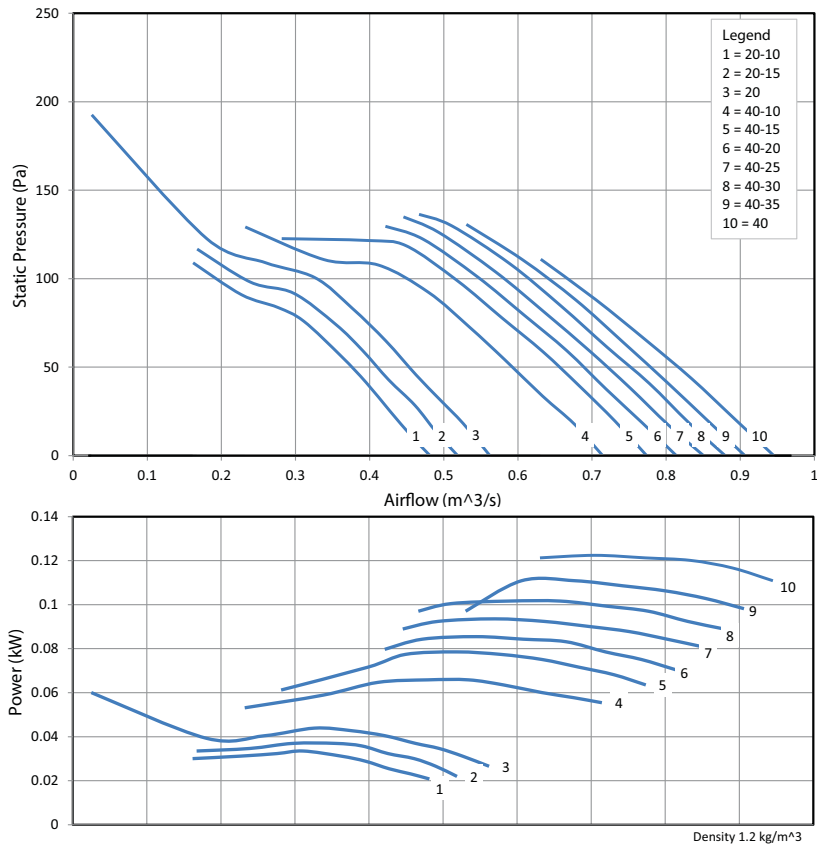


Blade Pitch	FEG
10	80
30-10	90
30-15	90
30-20	90
30-25	90
30	85
45-35	80
45-40	75
45	75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	2	58	58	57	59	63	62	60	52	68	56.5
	50	59	62	61	60	62	62	61	55	68	56.5
	104	67	65	64	63	66	66	66	60	72	60.5
30-10°	3	61	61	61	68	84	81	78	75	87	75.5
	49	62	61	60	68	85	81	77	73	87	75.5
	100	72	73	74	71	78	76	73	69	82	70.5
30-25°	3	62	60	59	62	66	66	63	58	71	59.5
	52	65	64	61	62	68	71	67	60	75	63.5
	100	63	64	62	63	68	71	68	63	75	63.5
40-25°	3	64	62	63	65	67	68	66	63	73	61.5
	52	69	65	63	64	68	71	69	64	75	63.5
	100	67	67	65	65	70	71	69	65	76	64.5
45°	3	72	66	65	70	72	74	72	66	79	67.5
	50	77	72	67	70	70	73	72	67	78	66.5
	100	86	81	72	69	69	70	66	60	76	64.5

RA-355-225-3 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

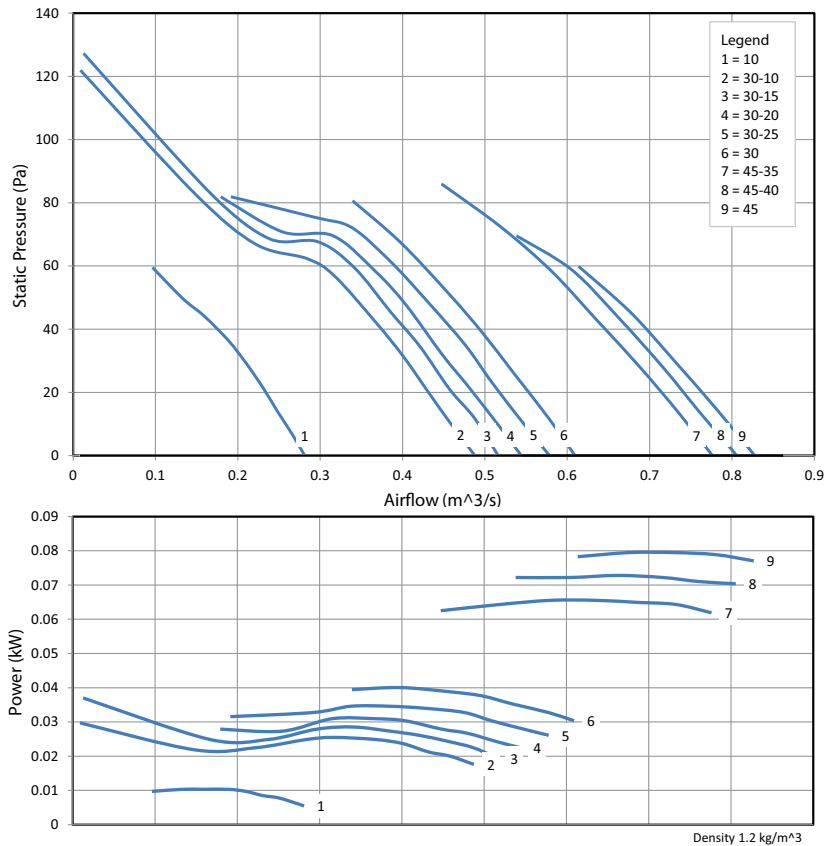


Blade Pitch	FEG
20-10	85
20-15	90
20	90
40-10	90
40-15	85
40-20	85
40-25	85
40-30	85
40-35	90
40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20°	3	54	58	61	61	64	63	61	56	69	57.5
	52	63	63	60	59	65	65	64	58	71	59.5
	102	65	67	65	63	67	69	68	63	74	62.5
40-10°	35	82	88	88	86	84	81	78	75	89	77.5
	160	81	86	87	87	85	81	77	73	89	77.5
	405	84	80	82	81	78	76	73	69	84	72.5
40-20°	3	66	64	64	64	67	68	66	62	73	61.5
	50	68	65	62	63	67	69	67	62	74	62.5
	102	63	65	64	64	69	72	69	64	76	64.5
40°	3	71	66	62	66	71	74	70	64	78	66.5
	50	76	72	66	65	70	73	71	65	78	66.5
	100	72	71	66	64	68	71	72	71	77	65.5
45-40°	3	69	64	62	66	71	74	71	65	78	66.5
	50	70	66	64	66	70	73	72	66	78	66.5
	102	78	76	69	66	69	72	68	62	76	64.5

RA-355-225-3 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

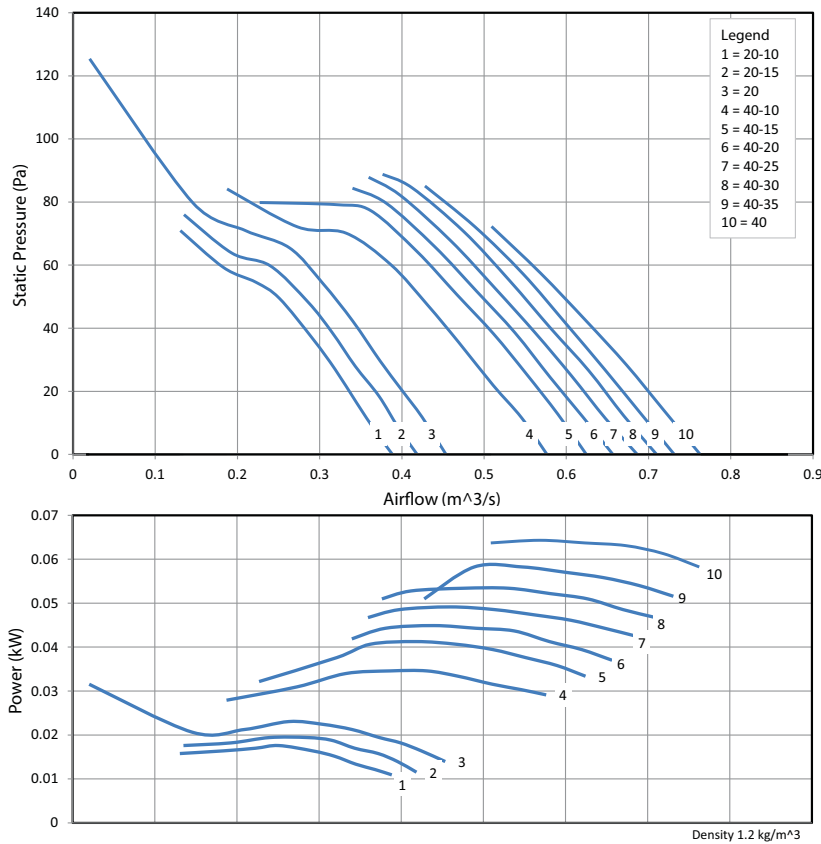


Blade Pitch	FEG
10	80
30-10	90
30-15	90
30-20	90
30-25	90
30	85
45-35	80
45-40	75
45	75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	1	53	53	52	56	58	57	53	45	63	51.5
	33	56	57	55	57	57	58	55	49	63	51.5
	68	63	61	59	60	62	62	59	54	67	55.5
30-10°	2	57	56	56	71	79	75	72	70	82	70.5
	32	57	56	56	71	79	75	71	67	82	70.5
	65	67	70	67	70	73	71	67	63	77	65.5
30-25°	2	57	55	55	59	62	61	57	51	66	54.5
	34	60	59	56	59	65	65	60	53	70	58.5
	65	59	59	57	60	65	66	62	57	70	58.5
40-25°	2	59	58	59	61	63	63	61	57	69	57.5
	34	64	60	58	61	65	66	63	58	71	59.5
	65	62	61	59	62	66	66	63	59	71	59.5
45°	2	67	60	62	66	68	69	65	59	74	62.5
	33	73	65	64	65	66	68	66	61	73	61.5
	65	81	73	66	64	65	65	60	53	71	59.5

RA-355-225-3 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

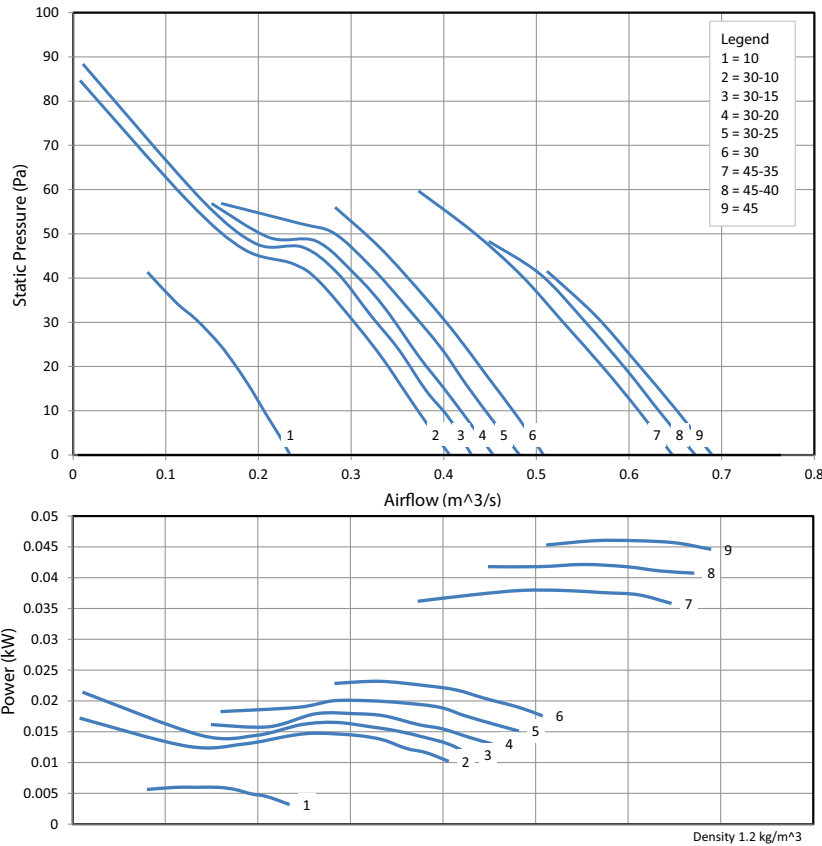


Blade Pitch	FEG
20-10	85
20-15	90
20	90
40-10	90
40-15	85
40-20	85
40-25	85
40-30	85
40-35	90
40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20°	2	51	55	56	58	59	58	55	49	64	52.5
	34	59	58	54	57	61	61	57	52	66	54.5
	67	61	62	58	60	63	64	62	57	69	57.5
40-10°	23	80	83	83	81	79	75	72	70	84	72.5
	104	79	82	82	81	79	75	71	67	84	72.5
	263	79	76	77	75	73	71	67	63	78	66.5
40-20°	2	61	59	59	61	63	63	60	56	68	56.5
	33	63	59	57	60	63	64	61	56	69	57.5
	67	60	60	59	61	66	66	63	57	71	59.5
40°	2	67	60	58	63	68	68	64	57	73	61.5
	33	71	65	60	62	67	68	64	59	73	61.5
	65	68	65	60	61	64	67	67	66	73	61.5
45-40°	2	65	58	59	63	68	69	64	58	73	61.5
	33	66	60	60	63	67	69	65	60	73	61.5
	67	73	69	63	62	66	66	62	56	71	59.5

RA-355-225-3 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

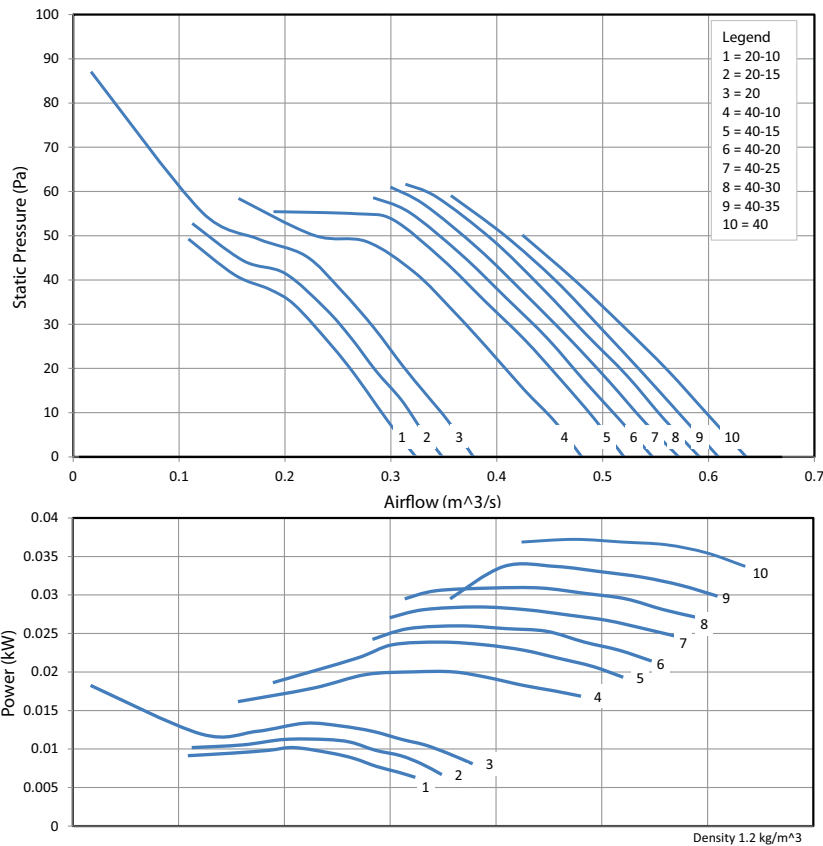


Blade Pitch	FEG
10	80
30-10	90
30-15	90
30-20	90
30-25	90
30	85
45-35	80
45-40	75
45	75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	1	50	49	48	54	53	54	47	39	59	47.5
	23	53	53	51	53	53	54	49	43	59	47.5
	47	59	57	54	57	57	59	54	48	63	51.5
30-10°	1	53	52	53	73	74	70	68	65	78	66.5
	22	53	52	52	74	74	70	66	62	77	65.5
	45	64	67	60	69	69	66	62	58	73	61.5
30-25°	1	53	50	51	56	58	57	51	46	62	50.5
	23	57	54	51	57	62	61	54	48	66	54.5
	45	55	54	53	57	62	61	57	52	66	54.5
40-25°	1	56	54	55	58	59	59	56	53	64	52.5
	23	60	55	54	58	62	62	57	52	67	55.5
	45	58	57	55	59	63	62	58	54	67	55.5
45°	1	63	54	61	62	65	65	60	54	70	58.5
	23	69	58	61	61	63	65	61	56	69	57.5
	45	77	66	61	60	62	60	54	48	66	54.5

RA-355-225-3 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

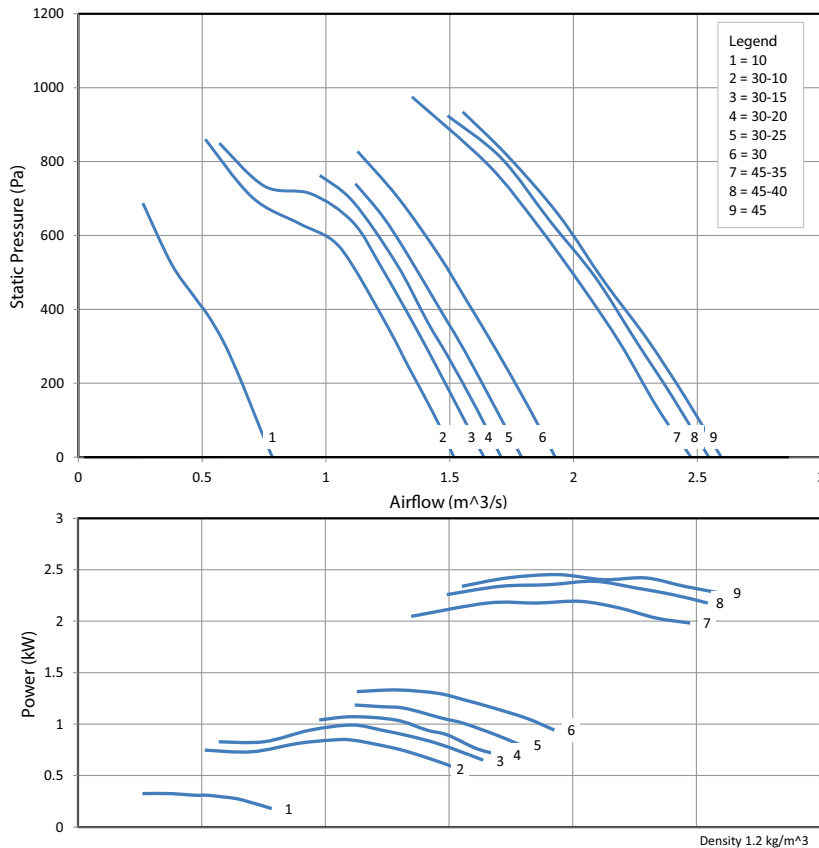


Blade Pitch	FEG
20-10	85
20-15	90
20	90
40-10	90
40-15	85
40-20	85
40-25	85
40-30	85
40-35	90
40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20°	1	48	52	51	56	54	54	49	44	60	48.5
	23	55	53	48	55	57	57	52	46	62	50.5
	46	58	58	53	57	60	60	56	51	65	53.5
40-10°	16	79	79	79	77	74	70	68	65	79	67.5
	73	77	78	78	77	74	70	66	62	79	67.5
	183	76	73	73	71	69	66	62	58	74	62.5
40-20°	1	57	55	55	58	59	59	55	50	64	52.5
	23	59	54	53	57	60	60	56	51	65	53.5
	46	57	56	54	59	63	62	57	52	67	55.5
40°	1	63	54	55	60	65	64	58	52	69	57.5
	23	67	60	56	59	65	64	59	54	69	57.5
	45	64	59	55	58	61	64	63	61	69	57.5
45-40°	1	61	54	55	61	66	64	59	53	70	58.5
	23	62	56	56	60	64	65	60	55	69	57.5
	46	70	63	57	59	63	62	56	50	67	55.5

RA-355-225-4 (3500 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

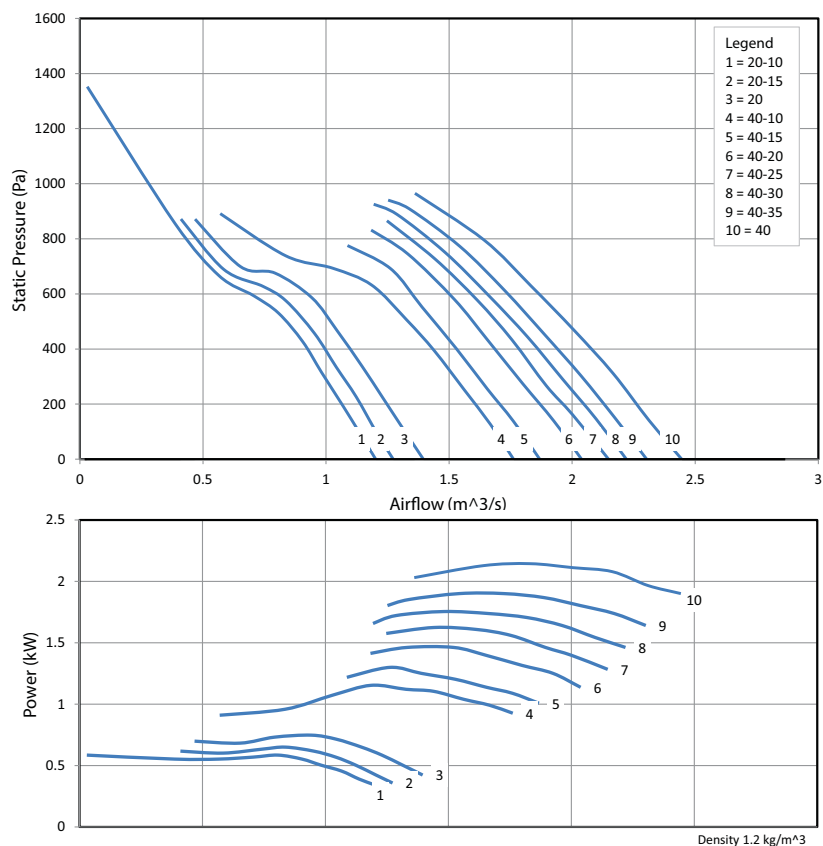


Blade Pitch	FEG
10	75
30-10	90
30-15	90
30-20	90
30-25	90
30	90
45-35	85
45-40	80
45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	10	72	72	80	77	78	85	101	98	103	91.5
	292	73	73	72	77	82	85	101	97	103	91.5
	585	90	90	95	84	81	85	96	93	99	87.5
30-10°	10	78	78	75	86	84	86	87	85	93	81.5
	292	78	78	82	82	82	85	86	85	91	79.5
	585	82	82	85	86	84	86	85	85	92	80.5
40-10°	10	78	78	79	87	87	89	88	88	95	83.5
	292	79	79	81	84	85	87	88	87	94	82.5
	585	84	84	85	88	86	86	87	85	93	81.5
40-25°	10	81	81	86	82	84	86	87	86	93	81.5
	292	83	83	81	86	83	85	88	87	93	81.5
	575	82	82	82	81	83	87	91	89	95	83.5
45-35°	10	82	82	86	85	85	89	91	89	96	84.5
	292	80	80	90	84	84	88	93	91	97	85.5
	585	79	79	89	83	84	88	94	92	98	86.5

RA-355-225-4 (3500 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

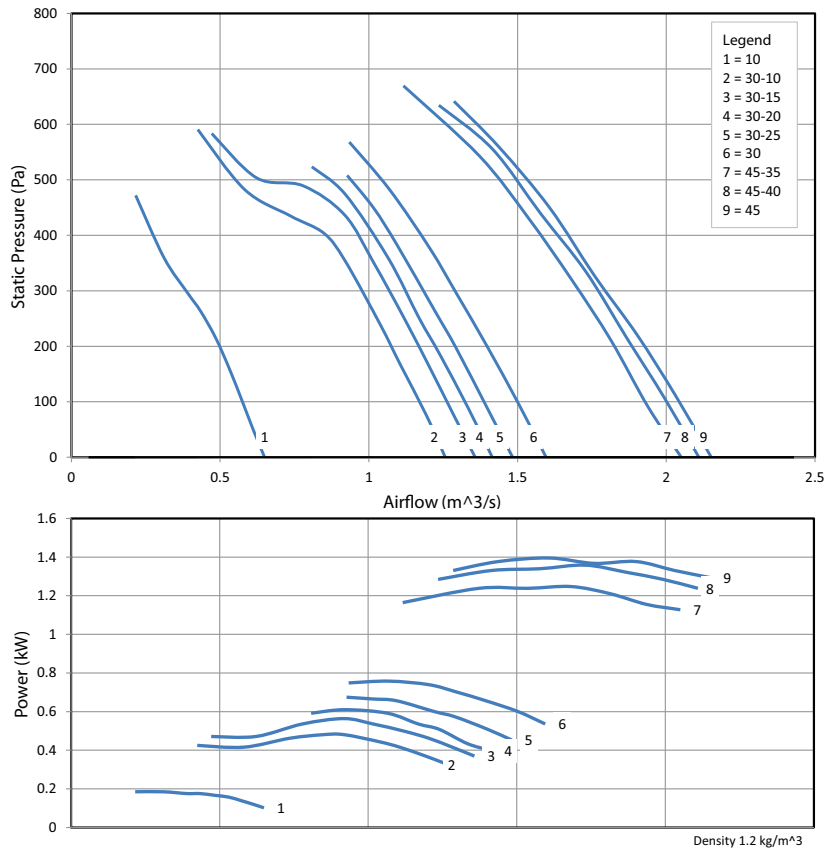


Blade Pitch	FEG
20-10	90
20-15	90
20	90
40-10	85
40-15	85
40-20	90
40-25	85
40-30	85
40-35	85
40	85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20°	10	78	78	74	80	80	84	84	82	90	78.5
	292	79	79	74	79	78	84	84	83	90	78.5
	575	80	80	87	80	80	86	87	86	92	80.5
30-25°	10	78	36	78	63	69	72	74	85	85	73.5
	292	77	49	76	67	74	78	78	86	87	75.5
	585	76	84	82	81	86	89	88	89	95	83.5
40-20°	10	80	80	80	81	85	88	89	87	94	82.5
	292	77	77	80	83	84	87	88	87	93	81.5
	585	77	77	84	85	83	86	88	87	93	81.5
40°	19	81	81	84	82	83	88	92	90	96	84.5
	292	79	79	84	90	83	89	93	91	97	85.5
	585	81	81	85	84	83	88	94	92	97	85.5
45-40°	19	84	84	94	84	86	90	94	92	98	86.5
	292	80	80	88	87	85	90	96	92	99	87.5
	585	79	79	87	84	85	89	94	93	98	86.5

RA-355-225-4 (2900 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

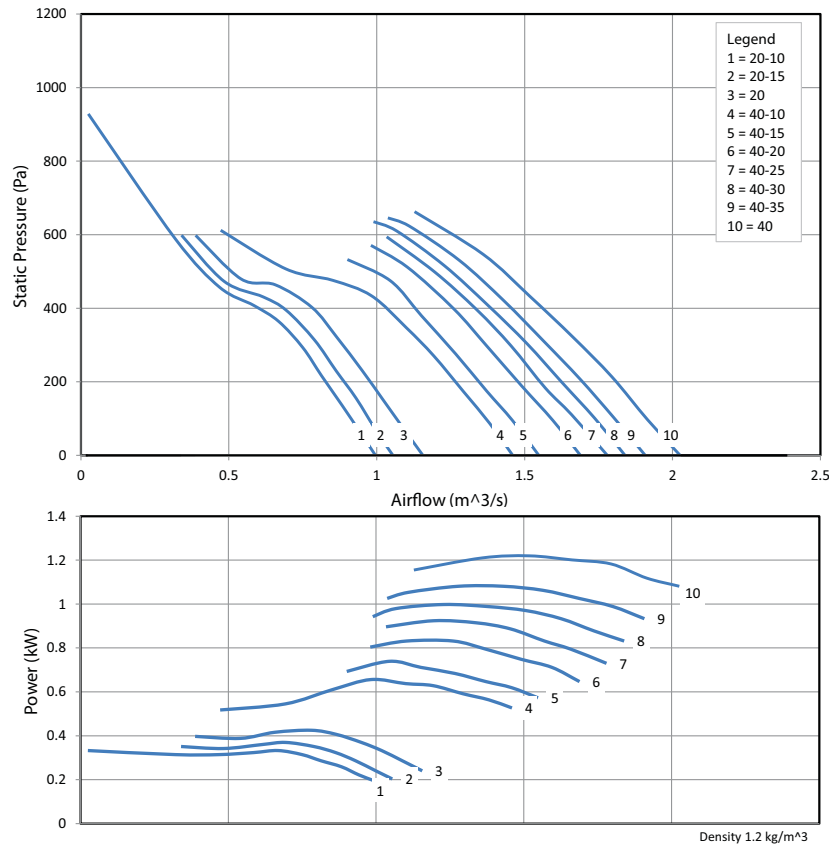


Blade Pitch	FEG
10	75
30-10	90
30-15	90
30-20	90
30-25	90
30	90
45-35	85
45-40	80
45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	7	68	70	76	73	76	85	96	93	98	86.5
	201	69	69	69	74	79	85	96	92	98	86.5
	401	86	87	91	79	78	84	91	88	94	82.5
30-10°	7	74	73	74	81	80	83	83	79	89	77.5
	201	74	75	78	78	79	81	81	79	87	75.5
	401	78	79	81	81	80	81	81	80	88	76.5
40-10°	7	74	74	78	83	84	85	84	82	91	79.5
	201	75	76	77	80	81	83	84	81	89	77.5
	401	80	80	82	83	82	83	82	80	89	77.5
40-25°	7	77	79	82	79	81	82	82	81	89	77.5
	201	79	78	78	81	80	82	83	82	89	77.5
	395	78	78	78	78	80	84	86	83	91	79.5
45-35°	7	78	79	82	81	82	85	87	84	92	80.5
	201	76	79	86	80	81	85	88	85	92	80.5
	401	75	77	85	79	81	86	89	86	93	81.5

RA-355-225-4 (2900 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

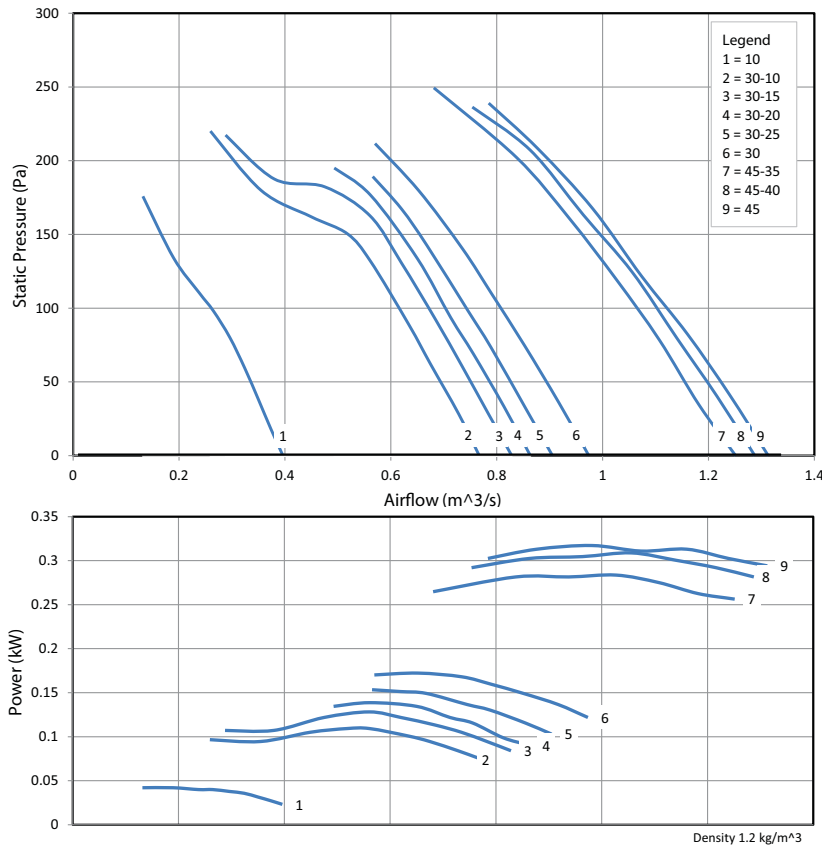


Blade Pitch	FEG
20-10	90
20-15	90
20	90
40-10	85
40-15	85
40-20	90
40-25	85
40-30	85
40-35	85
40	85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20°	7	74	73	72	76	77	80	80	76	86	74.5
	201	75	74	71	74	75	80	79	77	85	73.5
	395	76	78	83	76	77	82	82	80	88	76.5
30-25°	7	74	43	74	64	69	72	73	83	83	71.5
	201	73	52	72	67	73	76	76	84	85	73.5
	401	72	79	78	77	82	85	84	85	91	79.5
40-20°	7	75	76	76	78	82	84	84	81	90	78.5
	201	73	73	77	79	80	83	83	81	89	77.5
	401	73	75	80	80	79	82	84	82	89	77.5
40°	13	76	77	80	78	80	85	87	84	92	80.5
	201	75	77	81	83	80	86	89	85	93	81.5
	401	76	78	81	80	80	85	89	86	93	81.5
45-40°	13	80	83	90	81	83	87	89	86	94	82.5
	201	76	78	84	82	82	87	91	87	95	83.5
	401	75	77	82	80	82	86	90	87	94	82.5

RA-355-225-4 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

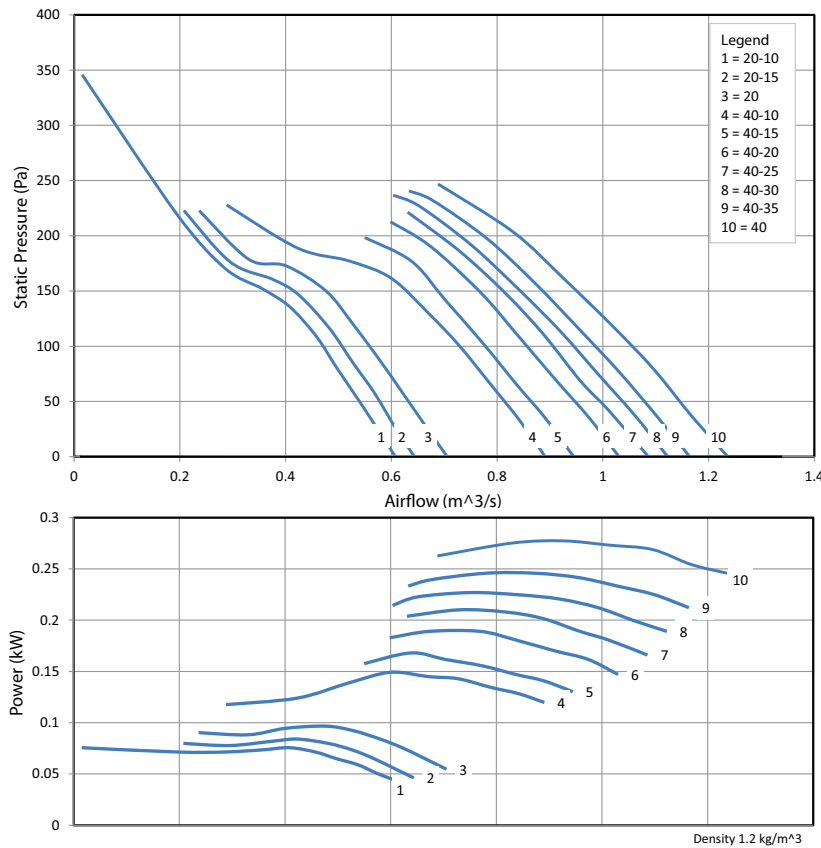


Blade Pitch	FEG
10	75
30-10	90
30-15	90
30-20	90
30-25	90
30	90
45-35	85
45-40	80
45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	2	57	65	62	63	69	86	83	80	90	78.5
	75	58	57	62	67	70	86	83	78	89	77.5
	150	75	81	70	67	70	81	78	75	85	73.5
30-10°	2	63	60	71	69	72	72	71	64	78	66.5
	75	63	67	67	67	70	71	70	64	77	65.5
	150	68	71	71	69	71	70	70	65	77	65.5
40-10°	2	63	65	73	73	75	73	73	66	80	68.5
	75	64	66	69	70	72	73	72	65	79	67.5
	150	69	70	73	71	72	72	71	65	78	66.5
40-25°	2	67	71	67	70	71	72	71	67	78	66.5
	75	68	66	71	68	70	73	72	68	78	66.5
	147	67	67	66	68	72	76	74	69	80	68.5
45-35°	2	67	71	70	70	74	76	75	69	81	69.5
	75	65	75	69	69	73	78	76	70	82	70.5
	150	64	74	68	69	73	80	77	71	83	71.5

RA-355-225-4 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

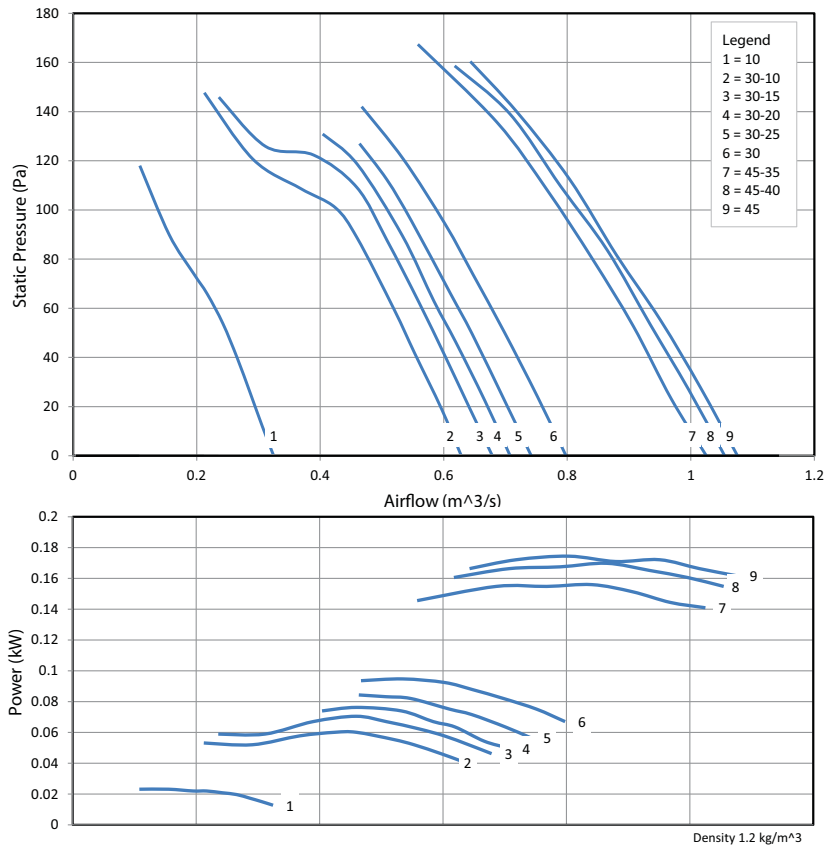


Blade Pitch	FEG
20-10	90
20-15	90
20	90
40-10	85
40-15	85
40-20	90
40-25	85
40-30	85
40-35	85
40	85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20°	2	63	59	66	65	70	70	67	61	75	63.5
	75	65	59	64	63	69	69	68	63	75	63.5
	147	65	72	66	65	71	72	71	65	77	65.5
30-25°	2	63	64	66	67	70	70	70	80	81	69.5
	75	63	61	65	65	70	72	71	78	80	68.5
	150	61	66	66	65	72	74	74	75	80	68.5
40-20°	2	65	65	66	70	73	74	72	66	79	67.5
	75	62	65	68	69	72	73	72	67	78	66.5
	150	62	69	71	68	71	73	72	68	79	67.5
40°	5	66	69	67	68	73	77	75	69	82	70.5
	75	65	69	75	68	74	78	76	70	83	71.5
	150	66	71	69	68	73	79	77	72	83	71.5
45-40°	5	69	80	69	71	75	79	77	71	83	71.5
	75	65	73	72	70	75	81	78	71	85	73.5
	150	65	72	70	70	74	79	78	72	84	72.5

RA-355-225-4 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

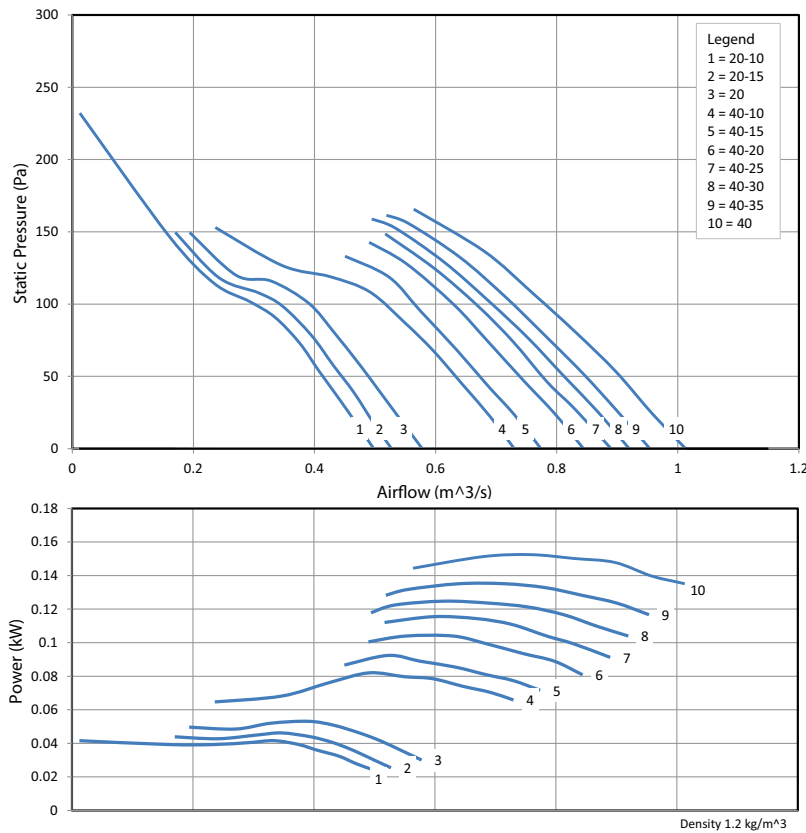


Blade Pitch	FEG
10	80
20-15	90
30-10	85
30-20	90
40-10	90
30	85
40-25	90
40-35	85
45-35	85
45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	2	55	61	58	61	70	81	78	75	84	72.5
	50	54	54	59	64	70	81	77	73	84	72.5
	100	72	76	64	63	69	76	73	69	80	68.5
30-10°	2	58	59	66	65	68	68	64	57	73	61.5
	50	60	62	63	64	66	66	64	58	72	60.5
	100	64	66	66	65	66	66	65	59	72	60.5
40-10°	2	59	63	68	69	70	69	67	60	75	63.5
	50	60	62	65	66	68	69	66	59	74	62.5
	100	65	67	68	67	67	67	65	59	73	61.5
40-25°	2	64	67	64	66	67	67	66	62	73	61.5
	50	63	63	66	65	67	68	66	63	74	62.5
	99	63	63	62	65	69	71	68	63	76	64.5
45-35°	2	64	67	66	67	70	72	69	63	76	64.5
	50	64	71	65	66	70	73	70	64	77	65.5
	100	62	70	64	66	71	74	71	65	78	66.5

RA-355-225-4 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

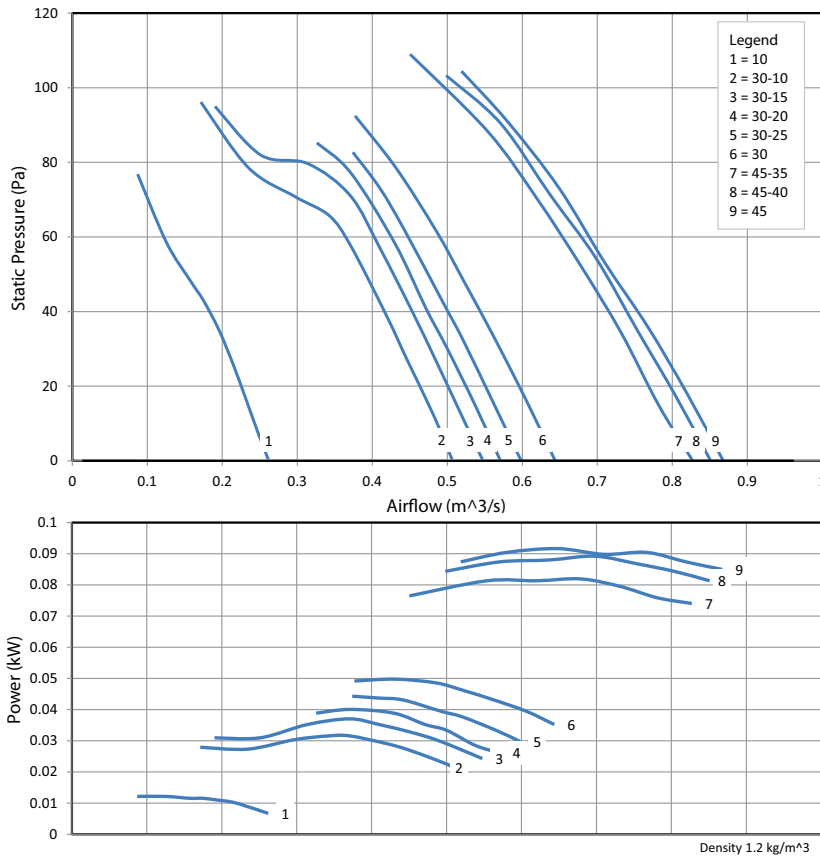


Blade Pitch	FEG
20-10	90
20-15	90
20	90
40-10	85
40-15	85
40-20	90
40-25	85
40-30	85
40-35	85
40	85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20°	2	57	57	61	62	65	65	61	55	70	58.5
	50	59	56	59	60	65	64	62	57	70	58.5
	99	63	68	61	62	67	67	65	59	72	60.5
30-25°	67	43	57	54	60	63	63	69	29	72	60.5
	85	50	62	56	63	65	65	70	38	73	61.5
	100	64	63	62	67	70	69	70	67	76	64.5
40-20°	2	61	61	63	67	69	69	66	60	74	62.5
	50	58	62	64	65	68	68	66	61	74	62.5
	100	60	65	65	64	67	69	67	63	74	62.5
40°	3	62	65	63	65	70	72	69	63	77	65.5
	50	62	66	68	65	71	74	70	64	78	66.5
	100	63	66	65	65	70	74	71	66	78	66.5
45-40°	3	68	75	66	68	72	74	71	65	79	67.5
	50	63	69	67	67	72	76	71	65	80	68.5
	100	62	67	65	67	71	75	72	66	79	67.5

RA-355-225-4 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

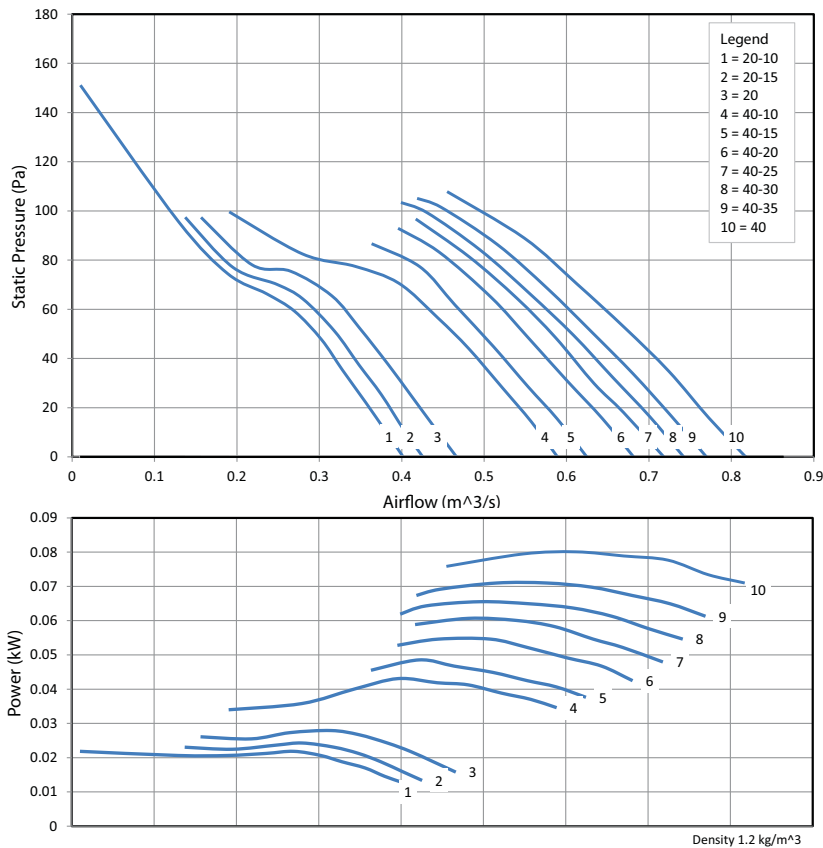


Blade Pitch	FEG
10	75
30-10	90
30-15	90
30-20	90
30-25	90
30	90
45-35	85
45-40	80
45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	1	56	54	54	58	71	75	72	70	79	67.5
	33	49	51	56	60	71	75	71	67	79	67.5
	65	72	65	59	60	68	71	67	63	75	63.5
30-10°	1	52	57	61	62	63	62	58	50	68	56.5
	33	58	58	58	60	62	62	58	51	67	55.5
	65	62	62	61	61	62	61	58	53	67	55.5
40-10°	1	56	60	64	65	65	64	60	53	70	58.5
	33	57	59	61	62	64	64	59	52	69	57.5
	65	61	63	63	62	63	62	58	52	68	56.5
40-25°	1	62	60	60	62	63	62	60	56	68	56.5
	33	58	60	60	61	63	63	61	57	69	57.5
	64	58	58	58	61	66	66	62	56	71	59.5
45-35°	1	62	61	61	63	66	66	62	57	71	59.5
	33	66	63	60	63	67	68	64	58	72	60.5
	65	65	61	59	62	68	69	64	59	73	61.5

RA-355-225-4 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

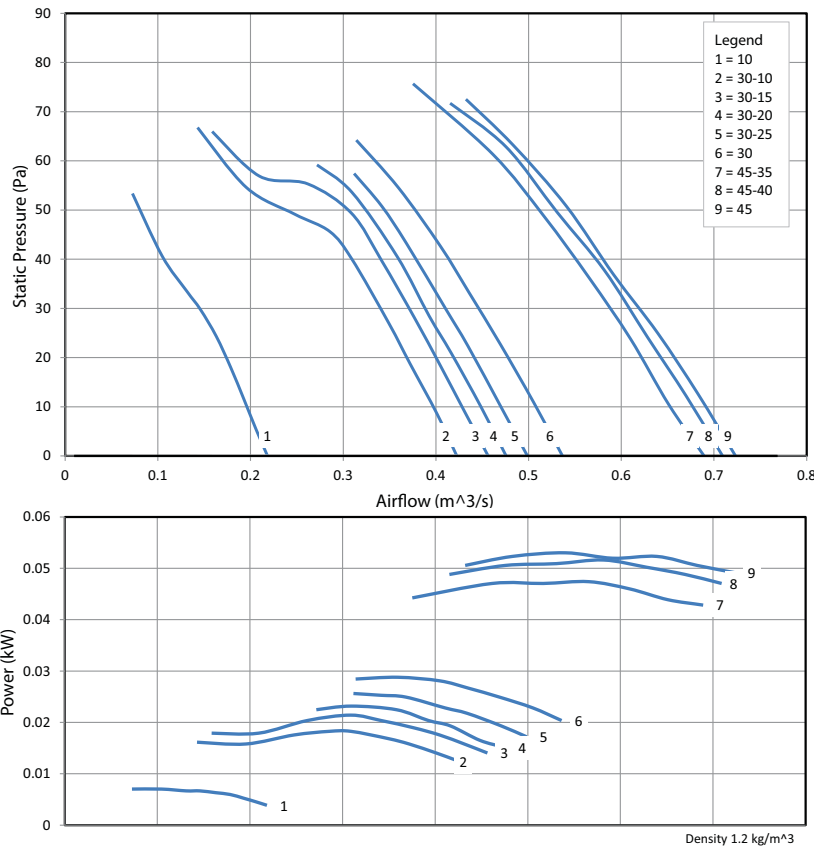


Blade Pitch	FEG
20-10	90
20-15	90
20	90
40-10	85
40-15	85
40-20	90
40-25	85
40-30	85
40-35	85
40	85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20°	1	52	54	56	59	61	59	55	48	65	53.5
	33	52	53	54	58	60	60	56	50	65	53.5
	64	63	59	56	59	62	62	58	52	67	55.5
30-25°	44	52	51	53	58	61	60	66	25	69	57.5
	56	57	57	54	60	62	62	67	34	70	58.5
	65	58	57	56	63	65	65	65	62	71	59.5
40-20°	1	56	57	60	63	65	64	59	53	69	57.5
	33	56	58	60	62	63	63	60	55	69	57.5
	65	60	61	60	61	63	64	61	57	69	57.5
40°	2	60	59	59	62	67	67	63	57	72	60.5
	33	60	63	62	62	68	68	64	58	73	61.5
	65	62	61	60	62	67	69	65	59	73	61.5
45-40°	2	71	65	61	64	68	69	64	58	74	62.5
	33	64	63	62	64	70	70	65	58	74	62.5
	65	63	61	61	63	68	69	66	60	74	62.5

RA-355-225-4 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

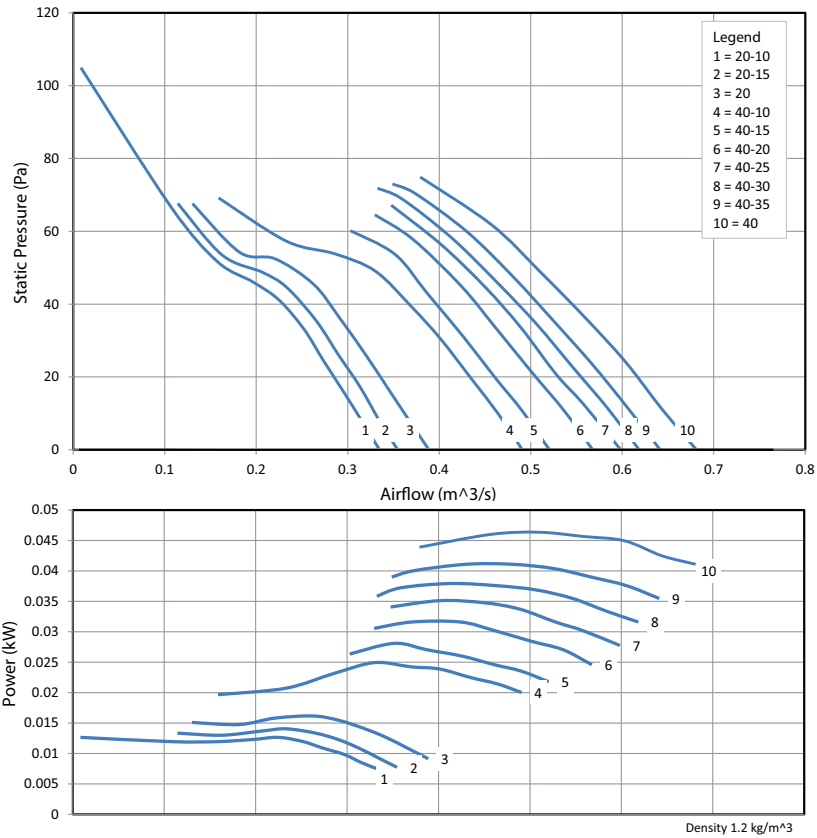


Blade Pitch	FEG
10	75
30-10	90
30-15	90
30-20	90
30-25	90
30	90
45-35	85
45-40	80
45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	1	52	49	50	56	71	70	68	65	76	64.5
	23	44	48	54	57	71	70	66	62	75	63.5
	45	68	58	54	57	67	66	62	58	71	59.5
30-10°	1	47	56	56	58	59	58	52	45	64	52.5
	23	54	54	54	57	58	58	52	45	63	51.5
	45	58	58	56	58	57	57	53	47	63	51.5
40-10°	1	52	58	60	61	61	60	54	48	66	54.5
	23	53	56	57	59	60	59	53	47	65	53.5
	45	57	60	58	59	59	58	53	47	64	52.5
40-25°	1	58	55	56	58	59	58	55	51	64	52.5
	23	53	57	56	57	60	59	56	52	65	53.5
	45	54	54	55	59	63	61	56	51	67	55.5
45-35°	1	58	57	57	60	63	62	57	52	67	55.5
	23	63	57	56	60	64	63	58	52	68	56.5
	45	61	56	56	60	66	64	59	53	69	57.5

RA-355-225-4 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

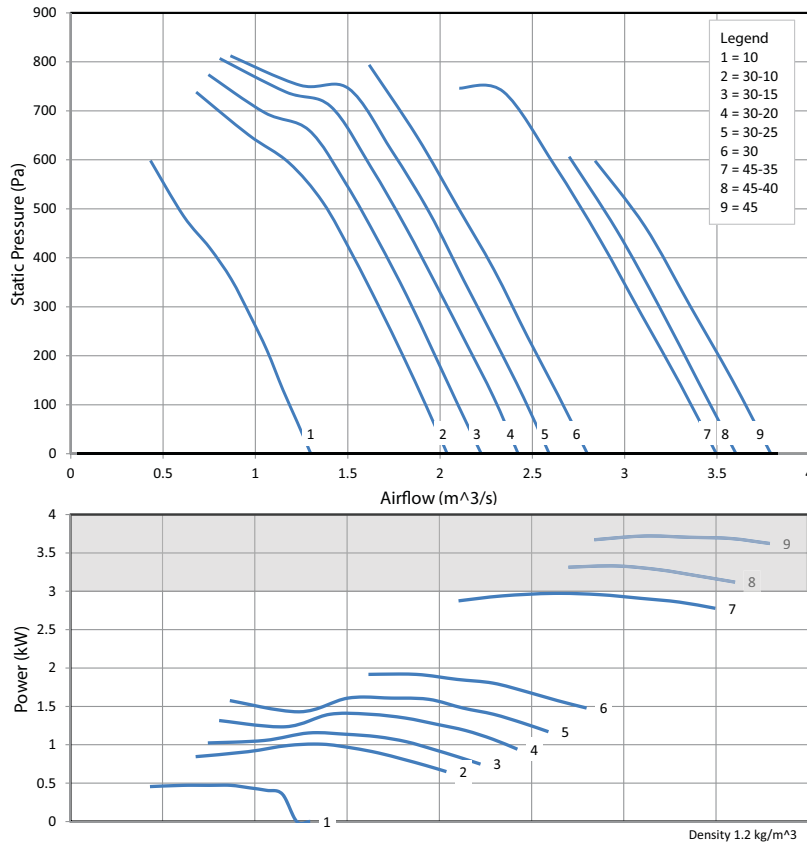


Blade Pitch	FEG
20-10	90
20-15	90
20	90
40-10	85
40-15	85
40-20	90
40-25	85
40-30	85
40-35	85
40	85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20°	1	47	52	52	56	57	55	49	42	61	49.5
	23	47	50	50	56	56	55	50	45	61	49.5
	45	59	54	52	57	59	58	53	46	63	51.5
30-25°	30	48	50	51	56	59	58	64	21	67	55.5
	39	53	56	51	58	60	59	64	30	68	56.5
	45	53	53	52	59	61	61	62	58	68	56.5
40-20°	1	52	53	57	60	61	59	54	47	65	53.5
	23	52	55	56	59	60	59	55	50	65	53.5
	45	56	57	55	58	60	60	56	52	65	53.5
40°	1	56	54	55	60	64	62	57	52	68	56.5
	23	56	61	56	60	65	64	58	52	69	57.5
	45	58	56	55	59	65	65	59	54	69	57.5
45-40°	1	67	58	58	62	65	64	59	53	70	58.5
	23	60	59	57	61	67	65	59	53	71	59.5
	45	59	57	57	60	66	65	60	55	70	58.5

RA-400-225-3 (3500 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	10	82	82	86	81	81	85	86	83	91	79.5
	302	79	79	85	82	84	85	84	83	91	79.5
	585	99	99	93	89	85	87	89	87	95	83.5
20-15°	19	81	81	86	84	84	85	83	83	91	79.5
	283	83	83	88	86	82	84	84	84	91	79.5
	682	92	92	96	95	93	89	89	87	98	86.5
30-25°	19	84	84	87	86	85	84	87	85	92	80.5
	380	86	86	90	87	83	85	92	90	95	83.5
	770	89	89	91	89	85	87	92	93	97	85.5
40-20°	19	86	86	89	86	85	85	86	86	93	81.5
	497	86	86	89	87	84	85	90	90	95	83.5
	877	90	90	92	89	86	86	91	93	96	84.5
40-35°	19	88	88	90	87	88	87	91	90	96	84.5
	380	90	90	92	88	87	87	93	93	97	85.5
	789	91	91	92	90	86	85	90	93	96	84.5



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

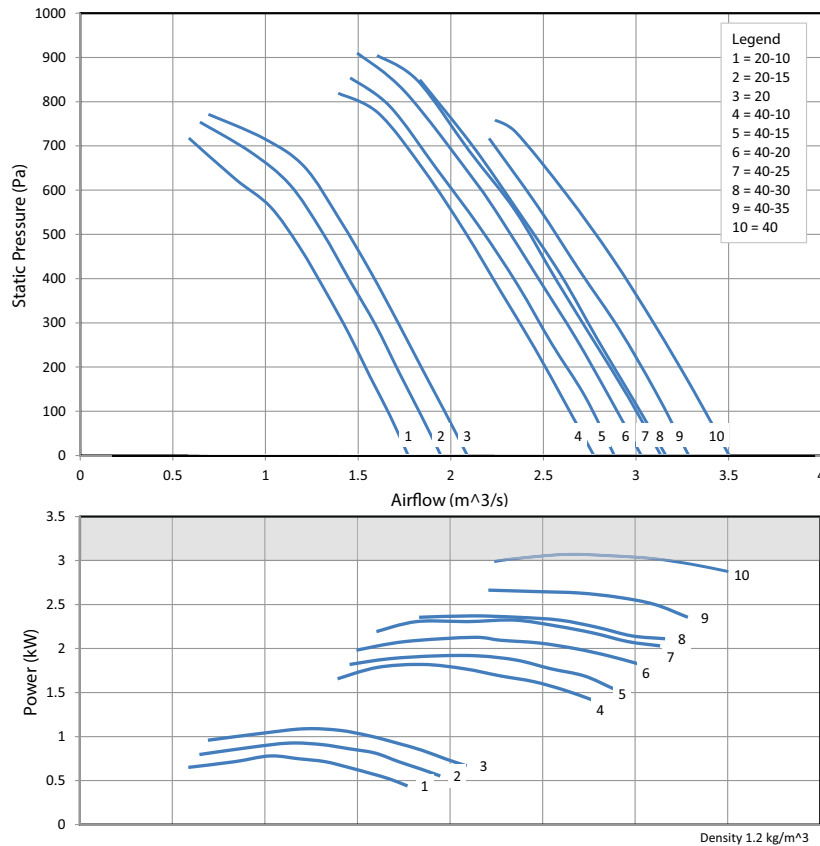
Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.



Blade Pitch	FEG
10	80
30-10	90
30-15	90
30-20	90
30-25	90
30	85
45-35	85
45-40	80
45	75

RA-400-225-3 (3500 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

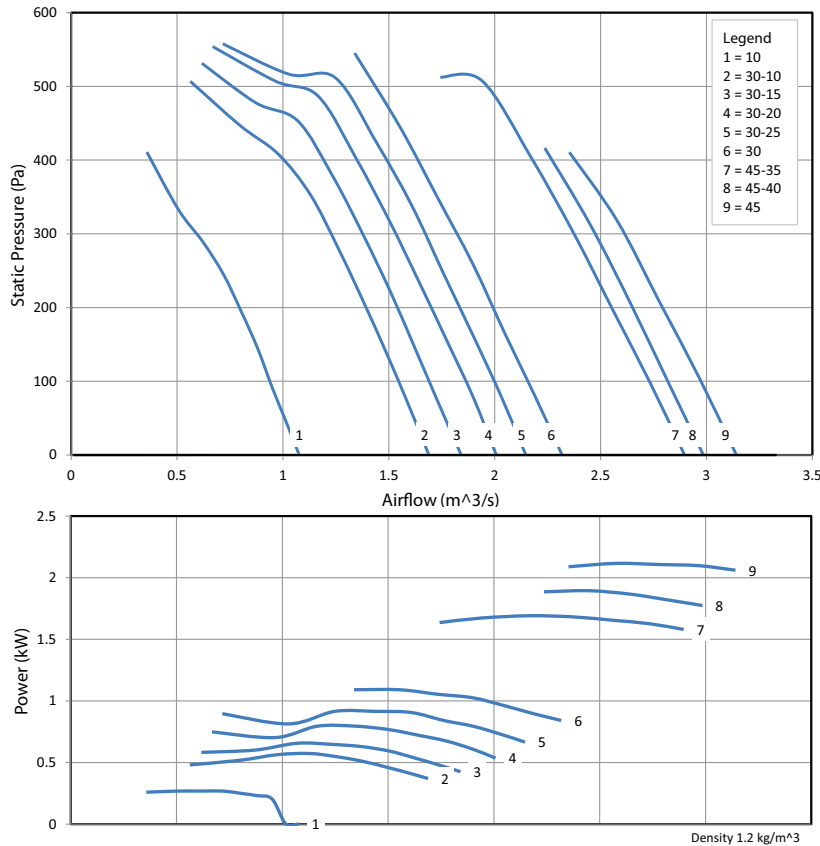


Blade Pitch	FEG
20-10	90
20-15	90
20	90
40-10	90
40-15	90
40-20	90
40-25	85
40-30	85
40-35	85
40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
30-10°	19	83	83	87	86	85	84	86	84	92	80.5
	399	87	87	90	87	85	85	86	84	93	81.5
	692	110	110	97	97	90	88	93	90	100	88.5
40-10°	19	87	87	90	84	86	86	87	86	93	81.5
	409	88	88	91	87	83	83	86	88	93	81.5
	770	88	88	90	87	85	84	89	91	95	83.5
40-30°	19	89	89	91	87	85	86	89	88	94	82.5
	390	89	89	92	89	85	86	92	91	97	85.5
	770	91	91	93	91	86	86	90	93	97	85.5
45-40°	19	91	91	93	91	89	89	94	94	99	87.5
	380	90	90	92	92	88	88	93	95	99	87.5
	692	110	110	103	98	92	90	93	89	102	90.5
45°	19	90	90	92	90	90	89	94	94	99	87.5
	292	93	93	95	94	91	89	92	95	99	87.5
	565	106	106	100	96	91	88	91	88	99	87.5

RA-400-225-3 (2900 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

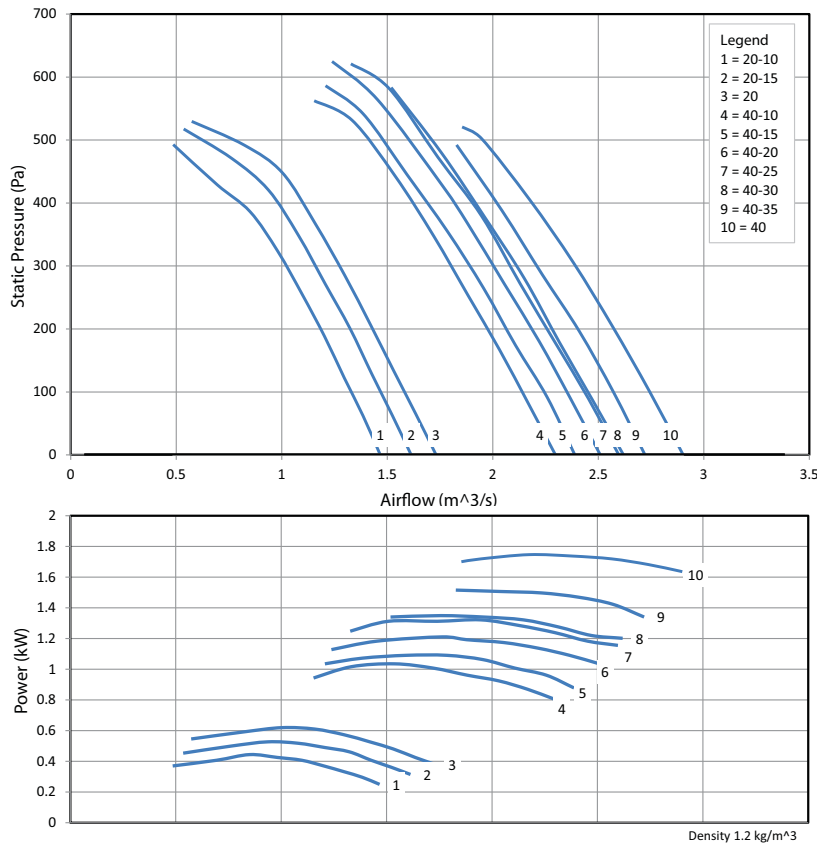


Blade Pitch	FEG
10	80
30-10	90
30-15	90
30-20	90
30-25	90
30	85
45-35	85
45-40	80
45	75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	7	78	79	80	77	78	81	81	77	87	75.5
	207	75	77	80	79	80	81	80	78	87	75.5
	401	95	95	88	84	82	83	84	81	91	79.5
20-15°	13	77	78	81	80	80	81	79	77	87	75.5
	194	79	81	83	81	79	80	80	79	87	75.5
	468	88	89	91	90	88	85	85	82	94	82.5
30-25°	13	80	81	83	81	80	81	82	80	88	76.5
	261	82	83	85	82	80	83	87	84	91	79.5
	528	85	86	86	83	81	84	88	87	92	80.5
40-20°	13	82	83	84	82	81	81	82	81	88	76.5
	341	82	83	85	82	80	82	86	85	91	79.5
	602	85	86	87	84	82	83	87	87	92	80.5
40-35°	13	84	84	85	83	84	84	86	85	92	80.5
	261	86	87	87	84	83	84	89	87	93	81.5
	542	86	87	87	85	82	82	86	88	92	80.5

RA-400-225-3 (2900 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

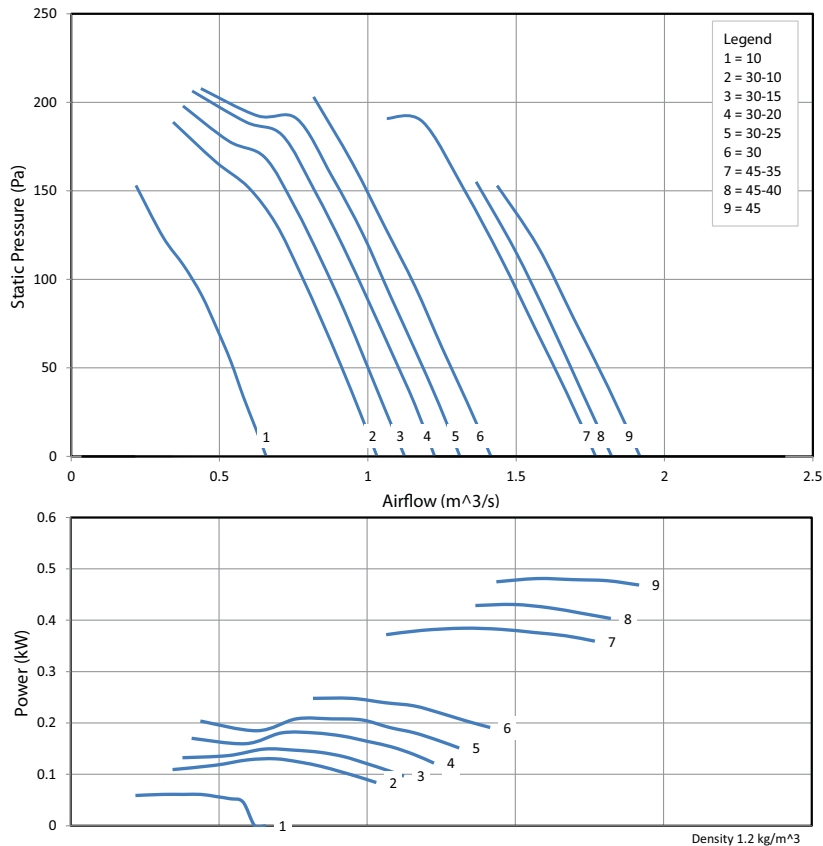


Blade Pitch	FEG
20-10	90
20-15	90
20	90
40-10	90
40-15	90
40-20	90
40-25	85
40-30	85
40-35	85
40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
30-10°	13	79	80	83	82	81	81	81	78	88	76.5
	201	83	84	86	83	81	81	80	78	88	76.5
	475	106	106	93	91	85	85	88	84	96	84.5
40-10°	13	83	83	84	81	82	82	83	81	89	77.5
	281	83	84	86	82	79	80	82	83	89	77.5
	528	84	85	86	83	81	82	86	86	91	79.5
40-30°	13	85	86	86	82	81	83	85	83	90	78.5
	268	85	86	87	84	81	84	88	86	92	80.5
	528	87	87	88	85	82	83	87	88	93	81.5
45-40°	13	87	88	88	86	85	86	90	88	95	83.5
	261	86	87	88	87	84	85	90	89	94	82.5
	475	106	106	98	92	87	87	88	84	97	85.5
45°	13	86	87	87	86	86	87	90	89	95	83.5
	201	89	90	91	89	87	86	89	90	95	83.5
	388	102	102	95	91	86	85	86	83	95	83.5

RA-400-225-3 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

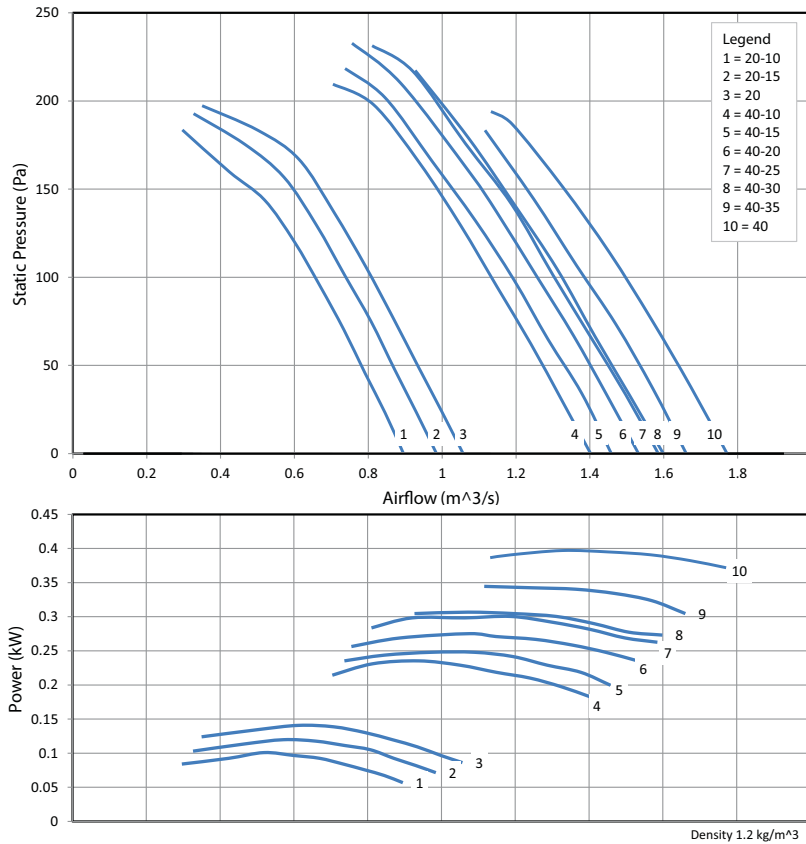


Blade Pitch	FEG
10	80
30-10	90
30-15	90
30-20	90
30-25	90
30	85
45-35	85
45-40	80
45	75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	2	67	71	66	66	71	71	68	61	76	64.5
	77	65	70	67	69	70	70	68	64	76	64.5
	150	85	78	75	71	72	74	72	67	79	67.5
20-15°	5	66	71	69	69	71	68	68	63	75	63.5
	72	69	73	72	67	70	69	69	65	76	64.5
	174	77	81	80	78	74	75	73	68	82	70.5
30-25°	5	69	72	71	70	69	72	71	66	77	65.5
	97	72	75	73	68	70	77	75	69	81	69.5
	197	74	76	74	70	72	77	78	73	82	70.5
40-20°	5	71	74	71	70	70	71	71	68	78	66.5
	127	72	75	72	69	70	75	75	72	80	68.5
	224	75	77	75	71	71	76	78	73	82	70.5
40-35°	5	73	76	72	73	73	76	75	71	81	69.5
	97	75	77	74	72	72	78	78	73	83	71.5
	202	76	77	75	72	71	75	78	74	82	70.5

RA-400-225-3 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

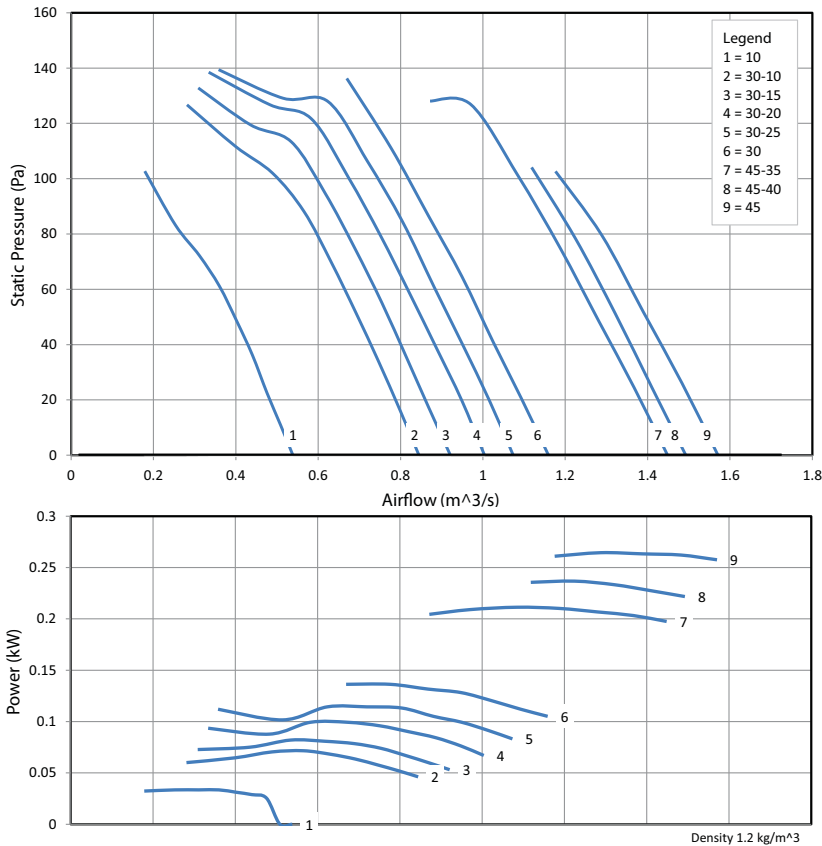


Blade Pitch	FEG
20-10	90
20-15	90
20	90
40-10	90
40-15	90
40-20	90
40-25	85
40-30	85
40-35	85
40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
30-10°	5	69	73	71	71	70	71	69	62	77	65.5
	102	72	75	73	71	70	71	70	65	77	65.5
	177	96	82	82	75	73	78	75	69	83	71.5
40-10°	5	72	75	70	71	71	72	72	68	78	66.5
	105	73	76	72	69	69	71	73	70	78	66.5
	197	73	76	73	70	70	75	76	72	81	69.5
40-30°	5	74	77	72	70	71	74	73	69	79	67.5
	100	74	77	74	70	71	77	76	71	82	70.5
	197	76	78	76	71	71	76	78	74	82	70.5
45-40°	5	77	78	77	74	74	79	79	73	84	72.5
	97	75	77	77	73	73	78	80	75	84	72.5
	177	95	89	83	77	75	78	75	69	84	72.5
45°	5	75	77	75	75	75	79	80	74	85	73.5
	75	78	81	79	77	74	78	80	76	85	73.5
	145	91	85	82	77	73	76	74	68	82	70.5

RA-400-225-3 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

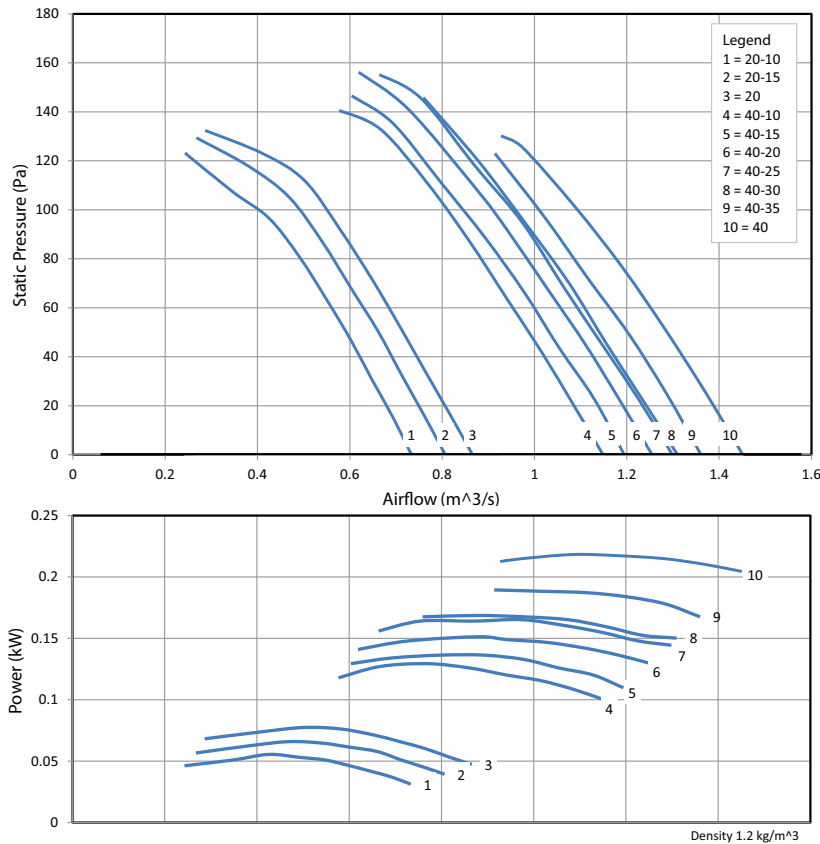


Blade Pitch	FEG
10	80
30-10	90
30-15	90
30-20	90
30-25	90
30	85
45-35	85
45-40	80
45	75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	2	64	65	62	63	66	66	62	55	71	59.5
	52	62	65	63	65	66	65	62	58	71	59.5
	100	80	73	69	67	68	69	66	61	74	62.5
20-15°	3	63	66	65	65	66	64	62	57	71	59.5
	70	69	70	66	64	66	66	65	61	72	60.5
	117	74	76	75	73	70	70	67	63	77	65.5
30-25°	3	66	68	66	65	65	67	65	60	72	60.5
	65	68	70	67	64	68	72	69	63	76	64.5
	132	71	71	68	66	69	73	72	67	78	66.5
40-20°	3	68	69	66	66	66	67	66	63	73	61.5
	85	68	70	67	65	67	71	70	66	76	64.5
	151	71	72	69	67	68	72	72	68	78	66.5
40-35°	3	69	70	68	69	69	71	69	65	76	64.5
	65	71	72	69	68	69	74	72	67	78	66.5
	136	72	72	70	67	67	71	72	69	77	65.5

RA-400-225-3 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

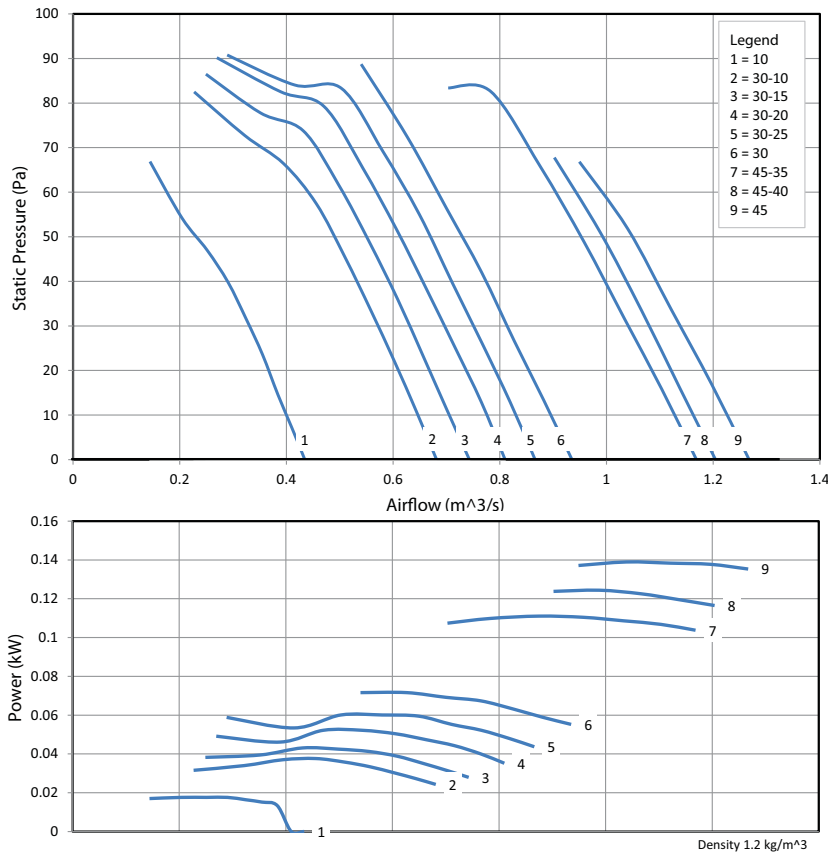


Blade Pitch	FEG
20-10	90
20-15	90
20	90
40-10	90
40-15	90
40-20	90
40-25	85
40-30	85
40-35	85
40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
30-10°	3	65	68	67	66	66	66	63	56	72	60.5
	69	69	70	68	66	66	66	64	60	72	60.5
	119	91	78	76	70	70	73	69	63	78	66.5
40-10°	3	68	69	66	67	67	68	66	62	73	61.5
	70	69	71	67	64	65	67	68	65	73	61.5
	132	70	70	68	66	67	71	71	66	76	64.5
40-30°	3	71	71	67	66	68	70	68	63	75	63.5
	67	71	72	69	66	69	73	70	65	77	65.5
	132	72	73	70	67	68	72	73	68	78	66.5
45-40°	3	73	73	71	70	71	75	73	67	80	68.5
	65	72	73	72	69	70	74	74	69	80	68.5
	119	91	83	77	72	72	73	69	63	79	67.5
45°	3	72	72	71	71	72	75	74	68	80	68.5
	50	75	76	74	72	71	74	75	70	80	68.5
	97	87	80	76	71	70	71	68	62	77	65.5

RA-400-225-3 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

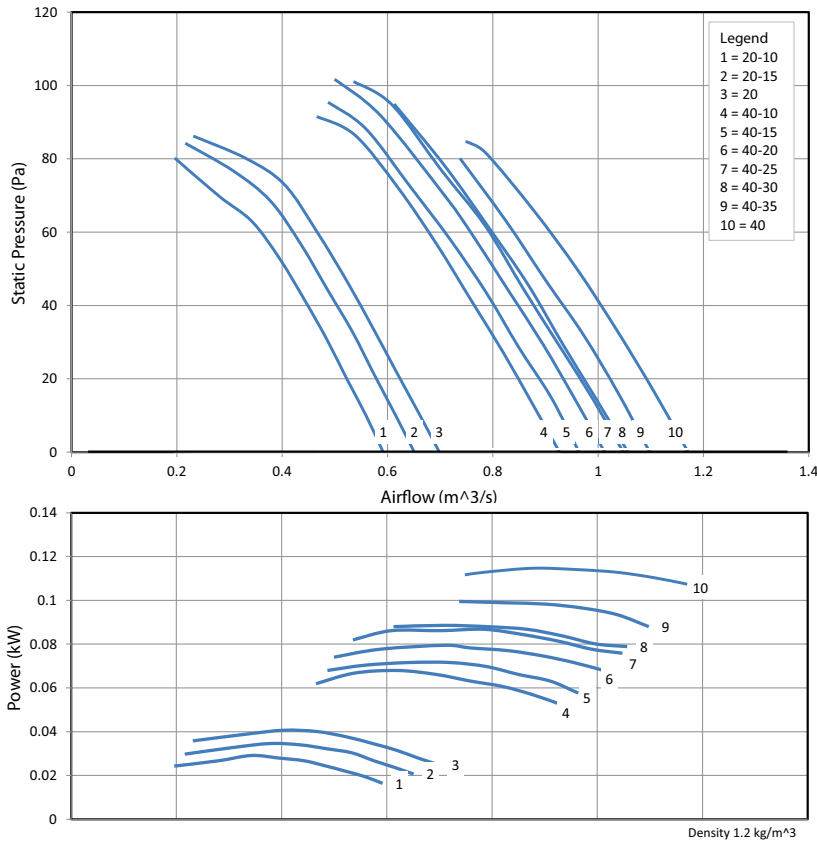


Blade Pitch	FEG
10	80
30-10	90
30-15	90
30-20	90
30-25	90
30	85
45-35	85
45-40	80
45	75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	1	61	59	57	60	62	60	55	48	66	54.5
	34	59	59	59	61	61	60	56	52	66	54.5
	65	76	67	63	62	64	64	60	55	69	57.5
20-15°	2	60	61	60	61	60	59	56	51	65	53.5
	46	65	65	60	60	61	61	59	55	67	55.5
	76	70	72	70	67	65	64	61	57	71	59.5
30-25°	2	62	63	61	60	62	62	59	54	67	55.5
	42	65	64	61	60	65	67	63	57	71	59.5
	86	67	66	62	62	66	68	66	60	73	61.5
40-20°	2	64	63	62	61	62	62	60	57	68	56.5
	56	64	64	61	60	64	66	64	60	71	59.5
	98	67	67	63	62	65	68	66	61	73	61.5
40-35°	2	66	65	64	64	66	66	63	59	72	60.5
	42	67	66	64	63	66	69	66	61	74	62.5
	88	68	67	64	62	64	68	67	63	73	61.5

RA-400-225-3 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

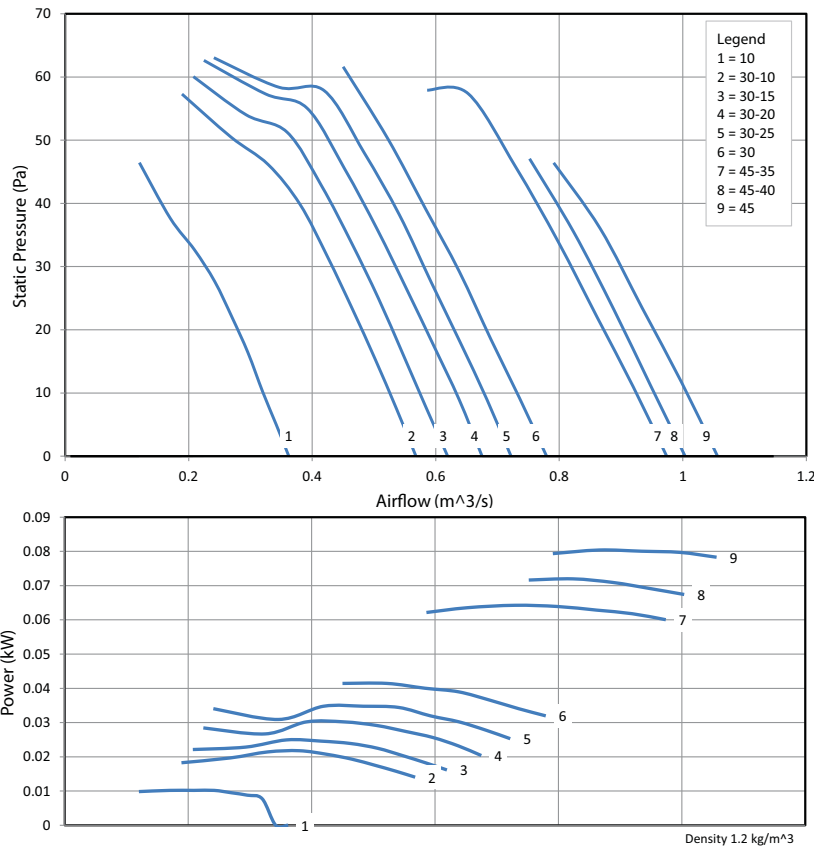


Blade Pitch	FEG
20-10	90
20-15	90
20	90
40-10	90
40-15	90
40-20	90
40-25	85
40-30	85
40-35	85
40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
30-10°	2	62	63	62	61	61	61	56	49	66	54.5
	45	65	65	62	61	61	61	58	54	67	55.5
	77	87	73	69	65	67	67	62	56	73	61.5
40-10°	2	65	63	61	62	63	63	60	56	68	56.5
	46	66	65	61	60	61	63	62	59	69	57.5
	86	66	65	62	61	64	67	64	60	71	59.5
40-30°	2	67	65	62	62	64	65	62	57	70	58.5
	44	67	67	63	62	66	68	64	59	72	60.5
	86	68	68	64	62	65	68	67	62	73	61.5
45-40°	2	68	68	66	65	68	70	66	60	75	63.5
	42	67	68	66	64	67	70	68	62	75	63.5
	77	86	76	71	67	68	67	62	56	73	61.5
45°	2	67	67	66	66	68	70	67	62	75	63.5
	33	71	71	69	66	67	70	69	64	75	63.5
	63	82	74	70	66	66	66	61	56	72	60.5

RA-400-225-3 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

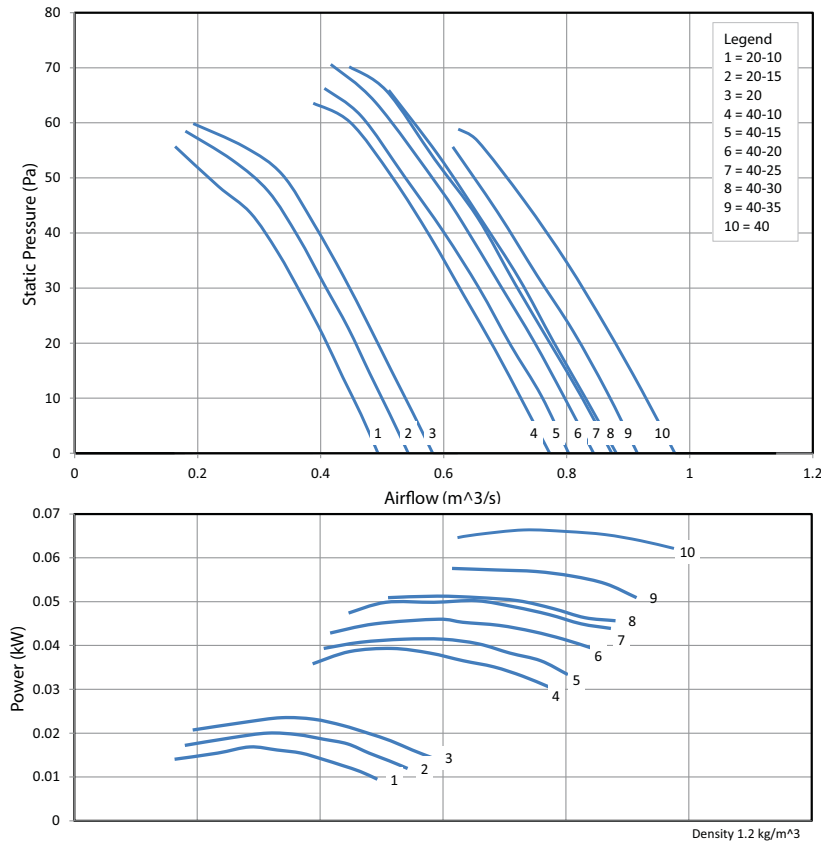


Blade Pitch	FEG
10	80
30-10	90
30-15	90
30-20	90
30-25	90
30	85
45-35	85
45-40	80
45	75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	1	58	54	53	57	58	56	49	43	62	50.5
	23	56	55	56	57	57	55	51	47	62	50.5
	45	72	62	58	59	61	59	55	50	65	53.5
20-15°	1	57	56	56	57	56	55	51	46	61	49.5
	32	62	60	55	56	57	57	54	50	63	51.5
	53	67	68	65	62	62	60	56	52	67	55.5
30-25°	1	59	58	57	56	58	58	53	48	63	51.5
	29	61	60	56	57	63	62	57	52	67	55.5
	60	63	61	57	59	63	65	60	55	69	57.5
40-20°	1	61	59	57	57	58	58	56	52	64	52.5
	39	61	60	56	57	61	62	59	55	67	55.5
	68	64	62	59	58	62	65	61	56	69	57.5
40-35°	1	62	60	60	60	62	62	58	54	68	56.5
	29	64	61	59	59	64	65	61	56	70	58.5
	61	64	63	59	58	61	65	62	58	69	57.5

RA-400-225-3 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

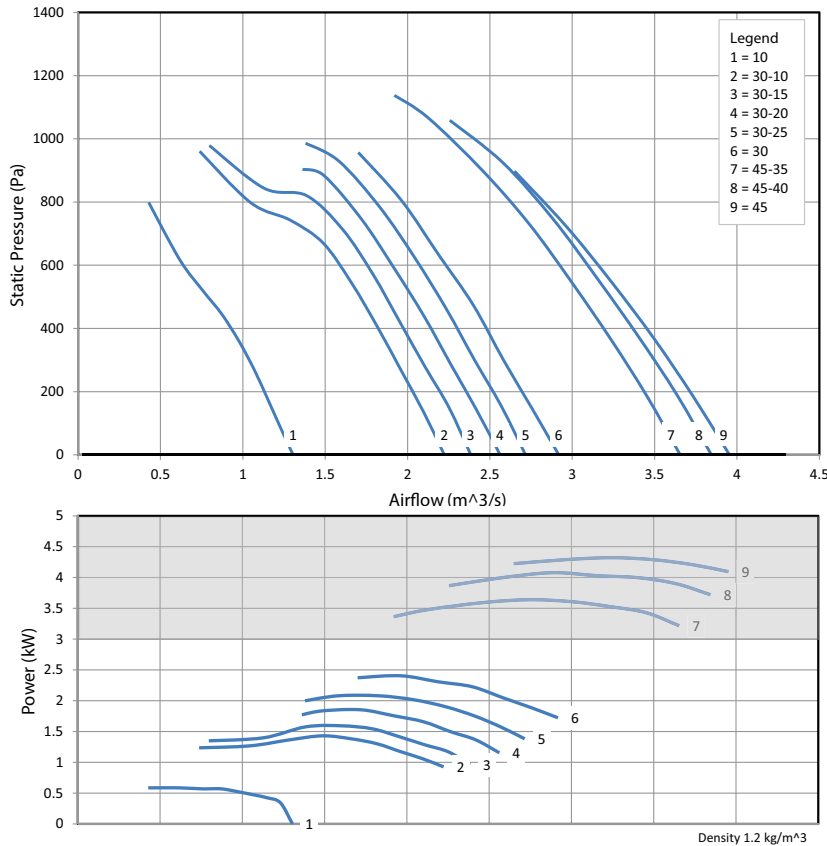


Blade Pitch	FEG
20-10	90
20-15	90
20	90
40-10	90
40-15	90
40-20	90
40-25	85
40-30	85
40-35	85
40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
30-10°	1	59	58	58	57	58	57	50	43	62	50.5
	31	62	60	58	57	58	57	53	49	63	51.5
	54	83	69	63	60	64	62	57	51	68	56.5
40-10°	1	62	57	58	58	59	59	55	51	64	52.5
	32	63	60	56	56	58	60	57	54	65	53.5
	60	62	60	57	57	61	63	59	55	67	55.5
40-30°	1	63	60	58	58	61	60	57	52	66	54.5
	30	64	62	58	58	64	63	59	54	68	56.5
	60	65	63	59	58	62	65	61	57	69	57.5
45-40°	1	65	64	61	61	66	66	61	55	71	59.5
	23	64	63	60	60	65	67	62	57	71	59.5
	54	82	71	65	63	65	62	57	51	69	57.5
45°	1	64	62	62	62	65	67	62	57	71	59.5
	23	67	67	64	61	64	67	63	59	71	59.5
	44	78	69	64	61	63	61	56	51	67	55.5

RA-400-225-4 (3500 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	19	74	74	84	80	85	85	87	84	92	80.5
	390	79	79	85	86	94	89	86	84	97	85.5
	799	95	95	95	90	91	88	90	88	97	85.5
20-15°	19	75	75	83	83	84	85	85	84	91	79.5
	477	74	74	81	82	85	85	85	85	92	80.5
	877	102	102	103	97	91	88	92	90	100	88.5
30-10°	19	79	79	86	83	87	88	88	87	94	82.5
	390	79	79	84	82	87	86	87	87	93	81.5
	867	107	107	106	98	89	88	91	89	101	89.5
30-20°	19	79	79	86	81	86	86	87	86	93	81.5
	477	79	79	85	83	85	84	87	87	93	81.5
	887	88	88	86	90	89	88	91	90	97	85.5
45-35°	19	85	85	85	88	88	90	89	88	96	84.5
	497	83	83	82	86	87	89	91	91	96	84.5
	887	84	84	84	86	89	89	93	93	98	86.5



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

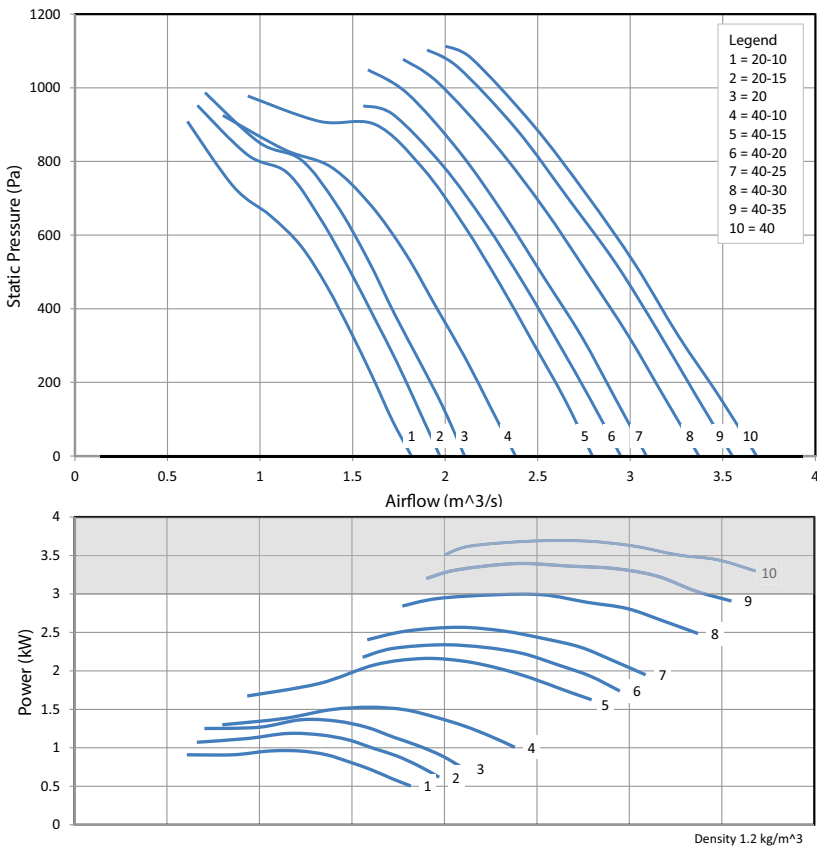
Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.



Blade Pitch	FEG
10	80
30-10	85
30-15	90
30-20	90
30-25	90
30	85
45-35	85
45-40	85
45	80

RA-400-225-4 (3500 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).



Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

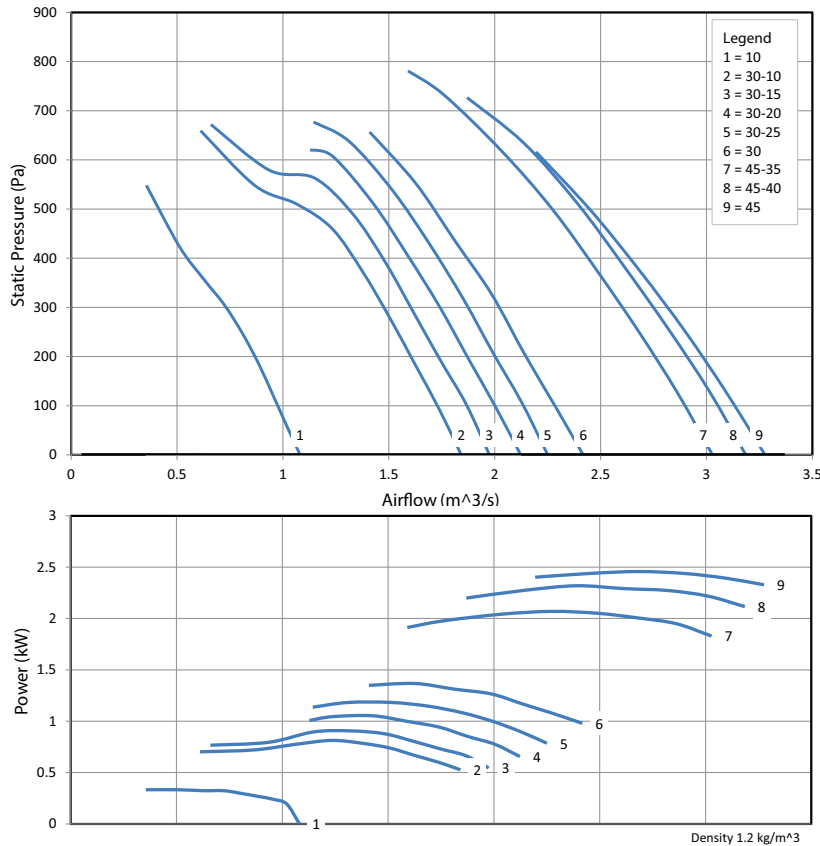


Blade Pitch	FEG
20-10	90
20-15	90
20	90
40-10	90
40-15	90
40-20	90
40-25	90
40-30	85
40-35	85
40	85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
40-15°	19	83	83	85	86	88	91	90	89	96	84.5
	487	80	80	82	83	84	86	88	88	93	81.5
	935	109	109	108	97	91	89	90	89	102	90.5
40-25°	19	83	83	84	85	86	87	87	87	93	81.5
	390	80	80	83	83	85	85	87	88	93	81.5
	887	82	82	84	84	84	86	92	92	96	84.5
40-35°	19	84	84	86	83	87	87	89	90	95	83.5
	497	80	80	86	84	87	88	93	93	98	86.5
	984	83	83	84	85	88	87	92	95	98	86.5
45-40°	19	85	85	87	85	87	89	92	91	97	85.5
	497	82	82	86	86	89	89	95	94	99	87.5
	887	84	84	84	87	89	88	93	95	99	87.5
45°	39	84	84	88	86	89	90	95	94	99	87.5
	487	81	81	85	86	90	90	96	95	100	88.5
	877	86	86	85	87	93	88	93	95	99	87.5

RA-400-225-4 (2900 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

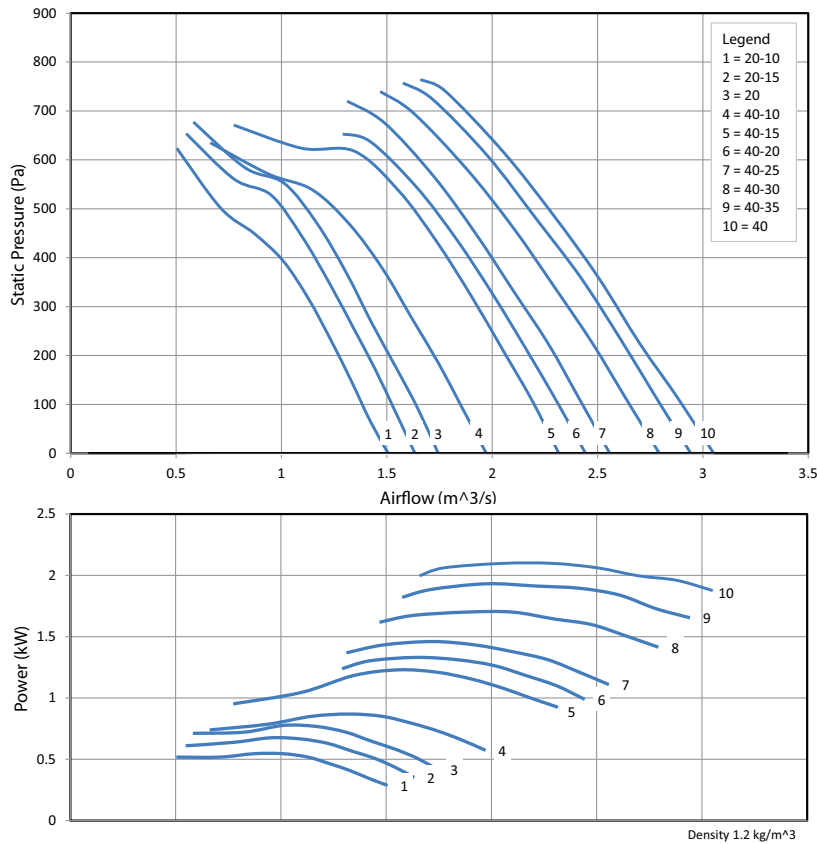


Blade Pitch	FEG
10	80
30-10	85
30-15	90
30-20	90
30-25	90
30	85
45-35	85
45-40	85
45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	13	70	73	80	77	81	81	82	78	88	76.5
	268	75	77	81	84	89	84	81	79	92	80.5
	548	91	91	91	86	86	85	86	83	93	81.5
20-15°	13	71	73	79	79	80	81	80	79	87	75.5
	328	70	72	77	79	81	81	81	80	88	76.5
	602	98	98	98	91	86	85	87	84	95	83.5
30-10°	13	75	77	82	80	83	84	84	82	90	78.5
	268	75	76	80	80	83	82	83	82	89	77.5
	595	102	102	102	92	85	84	86	84	97	85.5
30-20°	13	75	77	82	79	82	82	82	81	89	77.5
	328	74	76	81	79	80	81	83	82	89	77.5
	609	84	83	83	85	84	85	87	85	92	80.5
45-35°	13	81	81	82	84	84	86	84	83	92	80.5
	341	79	79	79	82	83	85	87	86	92	80.5
	609	80	80	80	83	85	86	89	87	94	82.5

RA-400-225-4 (2900 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

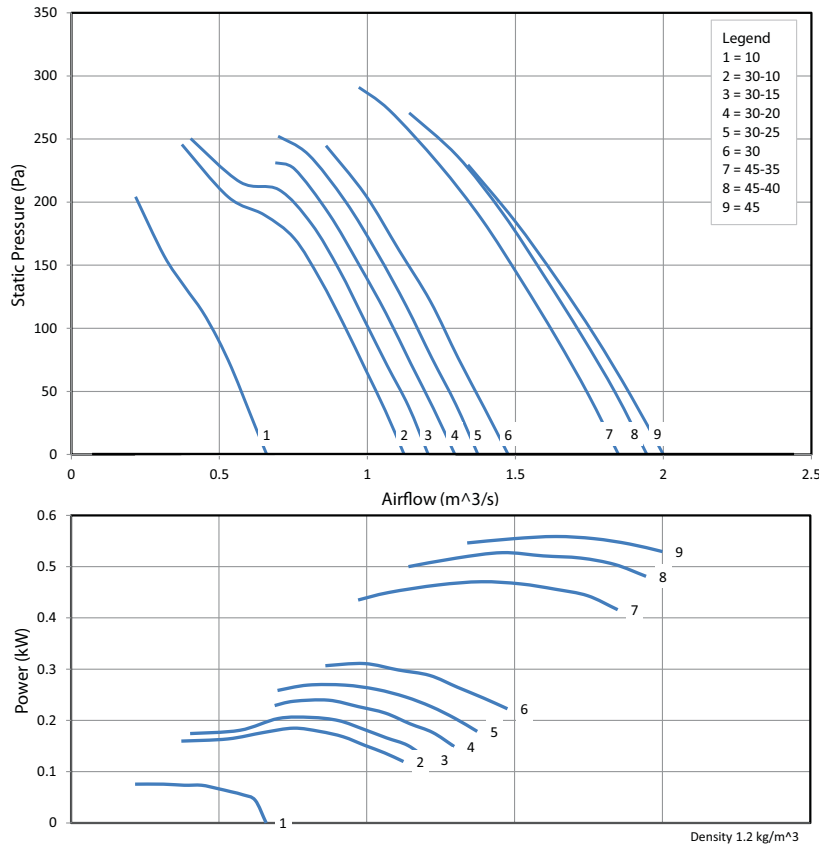


Blade Pitch	FEG
20-10	90
20-15	90
20	90
40-10	90
40-15	90
40-20	90
40-25	90
40-30	85
40-35	85
40	85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
40-15°	13	79	79	81	82	85	86	85	83	92	80.5
	281	76	77	80	81	81	83	84	83	90	78.5
	642	104	104	104	92	87	85	85	83	98	86.5
40-25°	13	79	79	80	81	82	83	83	82	89	77.5
	334	76	77	80	80	81	82	84	84	89	77.5
	609	78	79	80	80	81	84	88	86	92	80.5
40-35°	13	80	80	82	80	83	84	85	85	91	79.5
	341	76	78	82	80	83	85	89	87	93	81.5
	676	78	79	80	82	84	85	89	90	94	82.5
45-40°	13	81	82	83	82	84	86	88	86	93	81.5
	341	78	79	82	82	85	87	91	89	95	83.5
	609	80	80	81	84	85	85	90	90	95	83.5
45°	27	80	81	84	83	85	87	91	88	95	83.5
	334	77	78	81	83	86	87	91	89	96	84.5
	602	81	81	82	85	88	86	90	90	95	83.5

RA-400-225-4 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

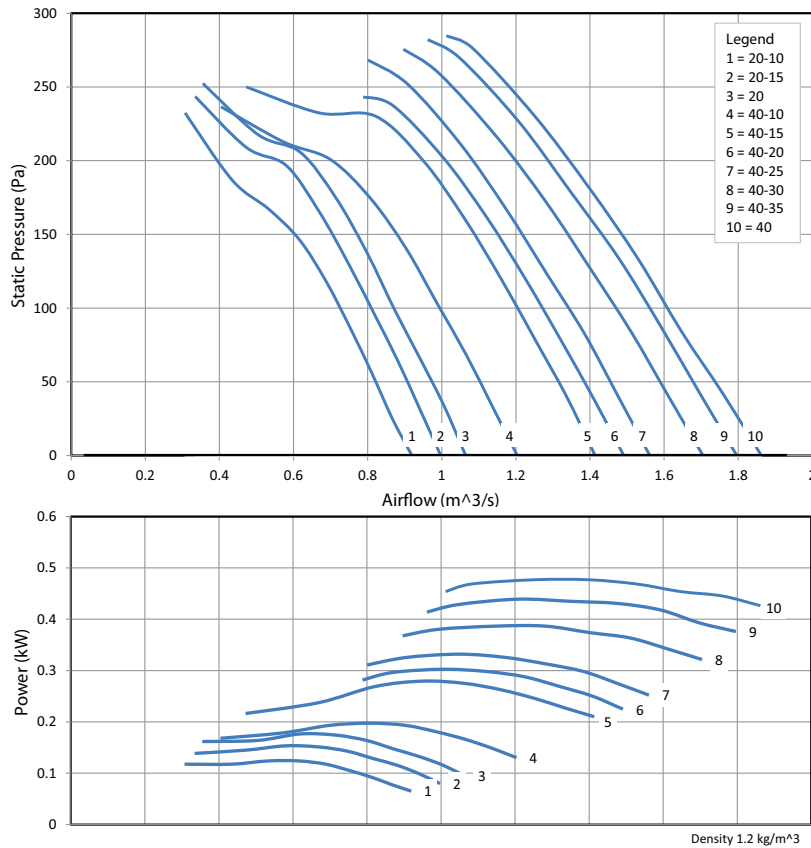


Blade Pitch	FEG
10	80
30-10	85
30-15	90
30-20	90
30-25	90
30	85
45-35	85
45-40	85
45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	5	59	69	65	70	70	72	69	63	77	65.5
	100	64	70	71	79	75	71	69	65	80	68.5
	204	80	81	75	76	74	75	74	68	81	69.5
20-15°	5	61	68	68	69	70	70	69	64	76	64.5
	102	61	66	66	70	70	70	70	66	76	64.5
	224	88	88	82	76	73	77	75	70	83	71.5
30-10°	5	64	71	68	72	74	73	73	66	79	67.5
	100	64	70	68	73	71	72	72	68	78	66.5
	222	92	91	84	75	73	76	75	69	83	71.5
30-20°	5	64	72	66	71	71	72	71	66	78	66.5
	122	64	70	68	70	69	72	73	69	78	66.5
	227	73	71	75	74	73	77	76	71	82	70.5
45-35°	5	71	70	74	73	76	74	73	71	81	69.5
	127	68	68	71	72	74	76	76	73	82	70.5
	227	69	69	71	74	74	78	78	74	83	71.5

RA-400-225-4 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

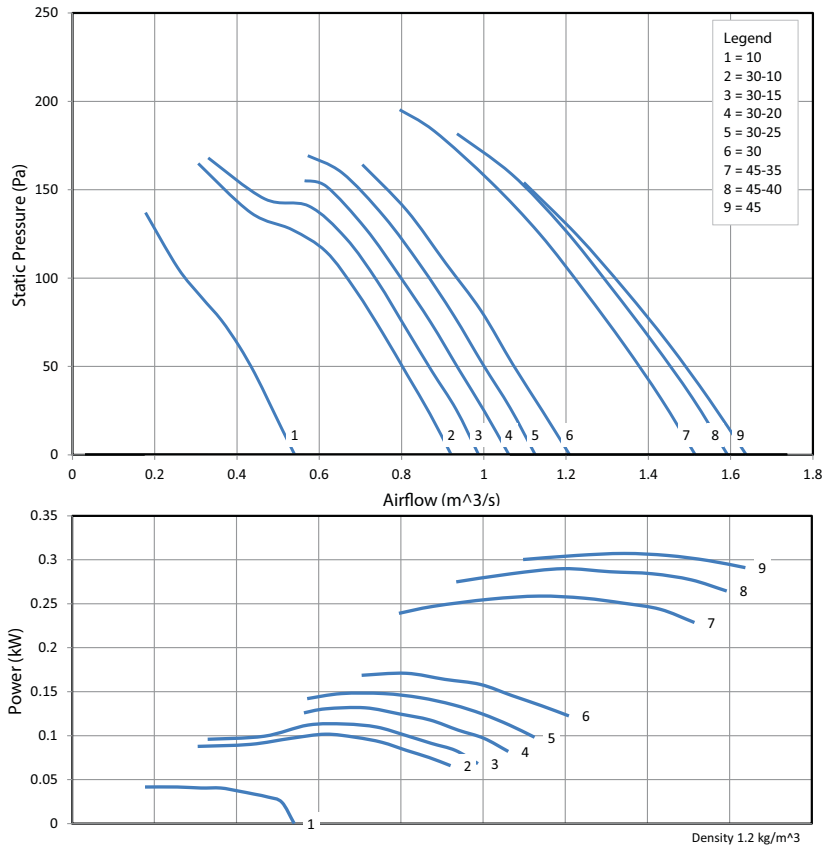


Blade Pitch	FEG
20-10	90
20-15	90
20	90
40-10	90
40-15	90
40-20	90
40-25	90
40-30	85
40-35	85
40	85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
40-15°	5	68	70	71	73	76	75	74	68	81	69.5
	125	65	67	68	70	72	73	73	70	79	67.5
	239	94	93	83	77	74	75	74	69	83	71.5
40-25°	5	68	69	70	71	72	72	72	69	78	66.5
	100	65	69	69	70	71	72	74	70	79	67.5
	227	68	69	69	70	71	77	77	72	82	70.5
40-35°	5	69	71	68	73	73	75	75	71	81	69.5
	127	65	71	69	72	73	79	78	73	83	71.5
	252	68	69	71	73	72	78	80	75	84	72.5
45-40°	5	71	72	70	73	74	77	77	72	82	70.5
	127	67	71	71	74	74	80	80	75	85	73.5
	227	69	69	72	74	73	79	80	76	85	73.5
45°	10	69	73	72	74	75	80	79	74	85	73.5
	100	68	71	71	76	75	81	80	75	86	74.5
	224	71	71	72	79	74	79	80	75	85	73.5

RA-400-225-4 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

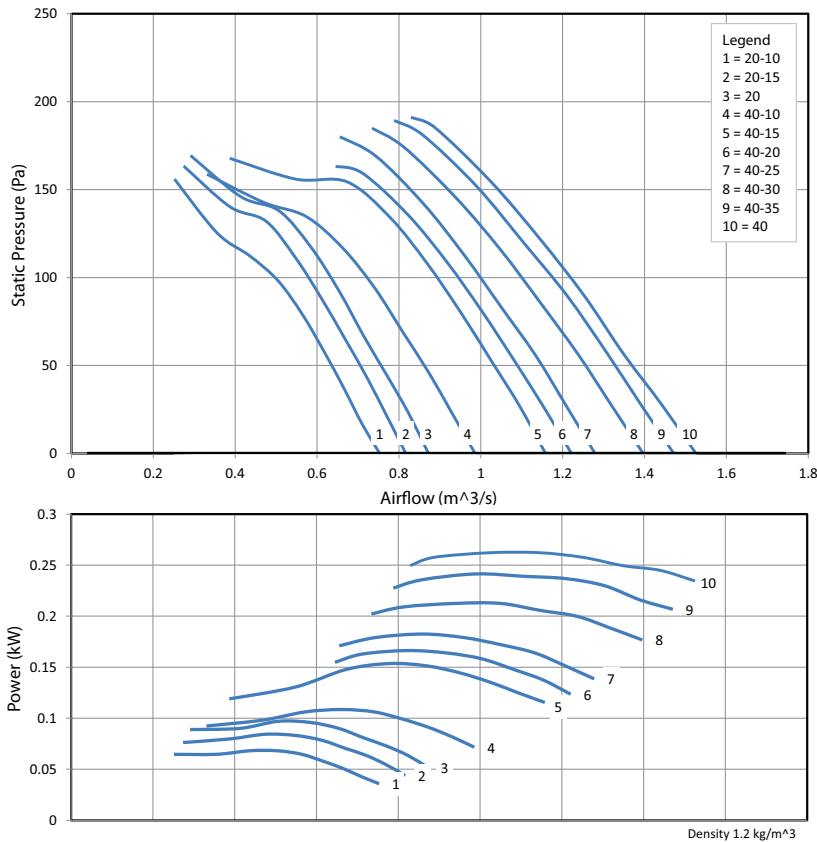


Blade Pitch	FEG
10	80
30-10	85
30-15	90
30-20	90
30-25	90
30	85
45-35	85
45-40	85
45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	3	58	65	62	66	66	67	63	57	72	60.5
	67	62	66	69	74	69	66	64	60	75	63.5
	137	76	76	71	71	70	70	68	62	76	64.5
20-15°	3	58	64	64	65	66	65	64	59	71	59.5
	69	58	62	63	65	66	66	65	61	72	60.5
	151	83	83	76	71	70	72	69	64	78	66.5
30-10°	3	62	67	65	68	69	69	67	60	75	63.5
	85	62	64	64	67	67	67	67	62	73	61.5
	149	87	87	77	70	69	71	69	63	78	66.5
30-20°	3	62	67	63	67	67	67	66	61	73	61.5
	67	61	63	64	65	66	67	67	63	73	61.5
	152	68	68	70	69	70	72	70	65	77	65.5
45-35°	3	66	67	69	69	71	69	68	66	76	64.5
	85	64	64	67	68	70	72	71	67	77	65.5
	152	65	65	68	70	71	73	72	68	79	67.5

RA-400-225-4 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

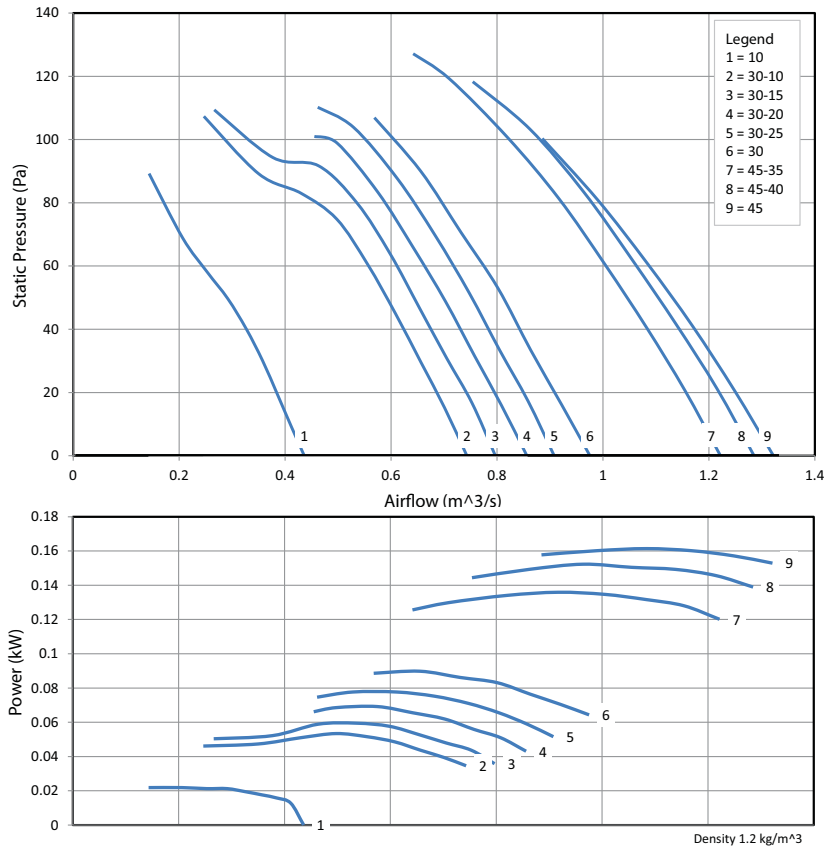


Blade Pitch	FEG
20-10	90
20-15	90
20	90
40-10	90
40-15	90
40-20	90
40-25	90
40-30	85
40-35	85
40	85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
40-15°	3	64	66	67	70	71	70	68	62	76	64.5
	84	61	63	64	66	68	69	68	65	74	62.5
	160	89	89	77	72	70	70	68	63	78	66.5
40-25°	3	64	65	66	67	68	68	67	64	74	62.5
	84	62	65	65	66	67	69	69	65	75	63.5
	152	64	65	65	66	69	73	71	66	77	65.5
40-35°	3	65	67	65	68	69	70	69	65	76	64.5
	85	63	67	65	68	70	74	72	67	79	67.5
	169	64	65	67	69	70	74	75	70	80	68.5
45-40°	3	67	68	67	69	71	73	71	67	78	66.5
	85	64	67	67	70	72	76	74	69	80	68.5
	152	65	66	69	70	70	75	75	70	80	68.5
45°	7	66	69	68	70	72	75	73	68	80	68.5
	84	63	66	68	71	72	76	74	68	81	69.5
	151	66	67	70	73	71	75	74	69	80	68.5

RA-400-225-4 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

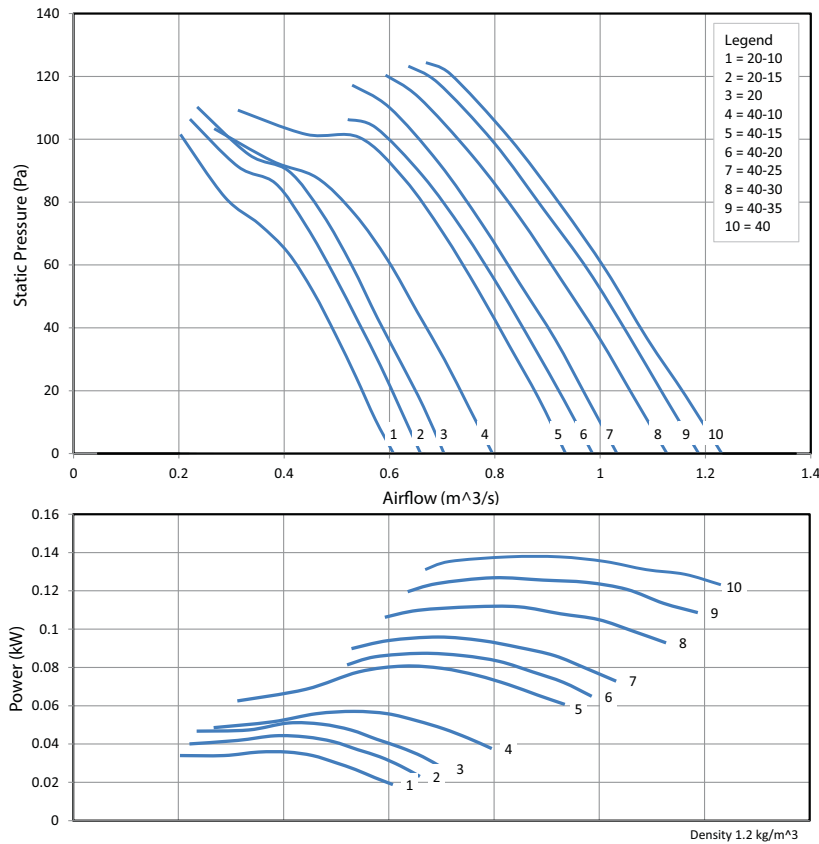


Blade Pitch	FEG
10	80
30-10	85
30-15	90
30-20	90
30-25	90
30	85
45-35	85
45-40	85
45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	2	60	58	59	61	62	61	56	50	67	55.5
	44	61	62	67	68	64	61	58	54	69	57.5
	89	72	68	67	66	66	65	61	56	71	59.5
20-15°	2	59	59	60	61	61	61	57	52	66	54.5
	53	57	58	60	61	62	62	60	56	67	55.5
	98	79	75	70	66	67	67	63	58	73	61.5
30-10°	2	62	60	61	64	64	64	60	54	69	57.5
	56	59	58	61	62	62	63	61	56	69	57.5
	97	82	78	69	65	66	66	62	57	72	60.5
30-20°	2	63	59	60	62	62	62	59	55	68	56.5
	53	61	60	60	60	62	64	61	58	69	57.5
	99	63	64	65	65	66	67	64	59	72	60.5
45-35°	2	62	63	64	66	66	65	63	61	71	59.5
	56	59	60	63	64	66	67	65	62	73	61.5
	99	60	61	64	65	67	69	66	62	74	62.5

RA-400-225-4 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

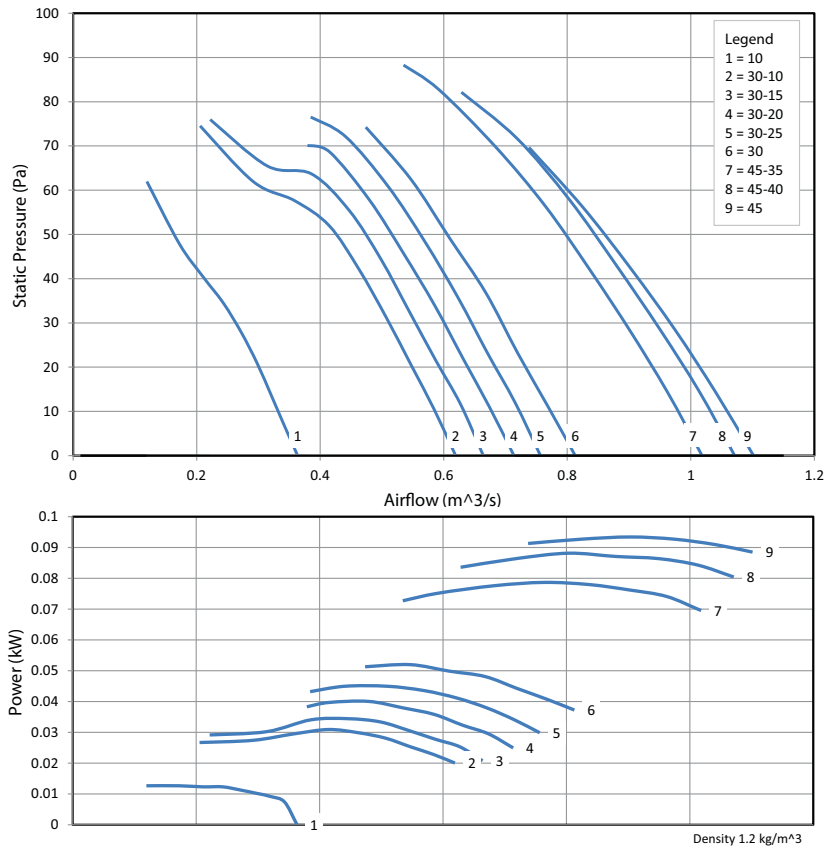


Blade Pitch	FEG
20-10	90
20-15	90
20	90
40-10	90
40-15	90
40-20	90
40-25	90
40-30	85
40-35	85
40	85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
40-15°	2	61	62	63	66	66	65	62	56	71	59.5
	54	58	59	60	62	63	64	62	59	70	58.5
	104	84	78	70	66	65	65	62	57	72	60.5
40-25°	2	60	61	62	63	63	63	61	58	69	57.5
	54	60	60	60	61	63	65	63	59	70	58.5
	99	60	60	60	62	66	68	65	60	72	60.5
40-35°	2	62	60	62	64	65	66	63	59	71	59.5
	56	62	61	62	63	67	69	66	61	74	62.5
	110	60	61	63	64	67	70	68	64	75	63.5
45-40°	2	63	62	63	64	67	68	65	61	73	61.5
	56	62	62	64	65	69	71	68	63	75	63.5
	99	60	62	65	65	67	71	69	64	75	63.5
45°	4	64	63	64	66	69	70	67	61	75	63.5
	54	61	62	64	66	69	72	68	62	76	64.5
	98	62	62	67	67	68	71	68	63	75	63.5

RA-400-225-4 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

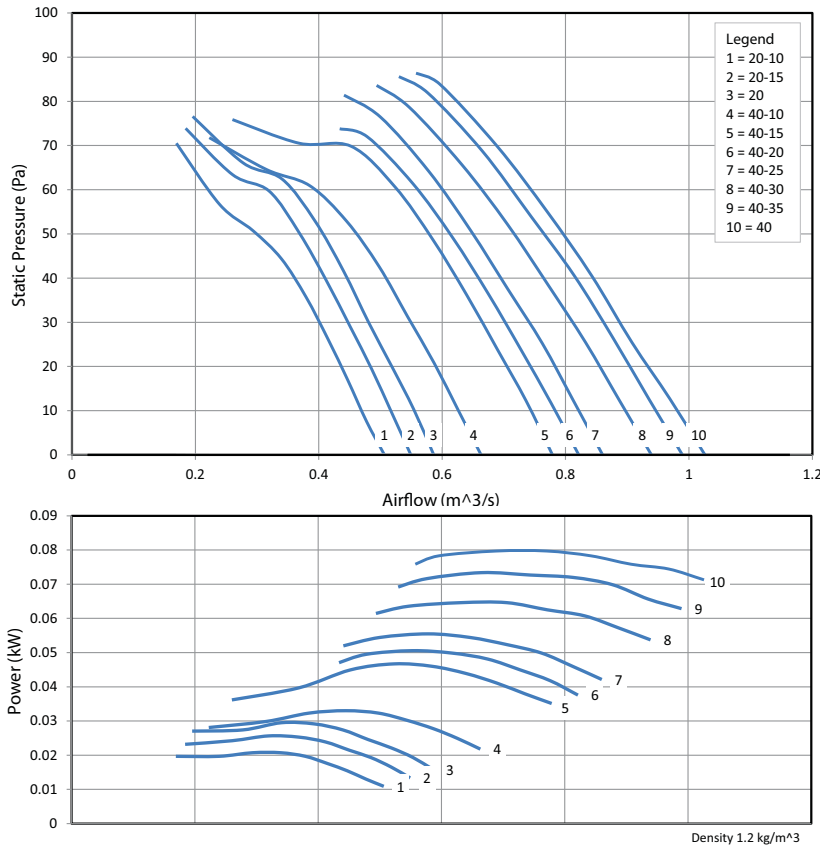


Blade Pitch	FEG
10	80
30-10	85
30-15	90
30-20	90
30-25	90
30	85
45-35	85
45-40	85
45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	1	56	53	56	57	59	57	51	45	63	51.5
	30	57	58	65	62	59	56	53	49	65	53.5
	62	68	63	63	61	62	61	56	51	67	55.5
20-15°	1	55	55	56	57	57	56	52	47	62	50.5
	31	54	53	56	57	57	57	54	50	63	51.5
	68	75	70	64	61	64	62	58	53	68	56.5
30-10°	1	58	55	59	60	60	60	54	48	65	53.5
	30	57	55	59	58	59	59	55	50	65	53.5
	67	78	72	63	60	63	62	57	51	68	56.5
30-20°	1	59	54	58	58	59	58	54	49	64	52.5
	30	54	55	57	56	58	59	56	52	64	52.5
	69	59	61	61	60	63	63	58	53	68	56.5
45-35°	1	58	60	60	62	61	60	58	56	67	55.5
	39	55	57	59	61	63	63	60	57	69	57.5
	69	56	58	61	61	64	65	61	57	70	58.5

RA-400-225-4 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

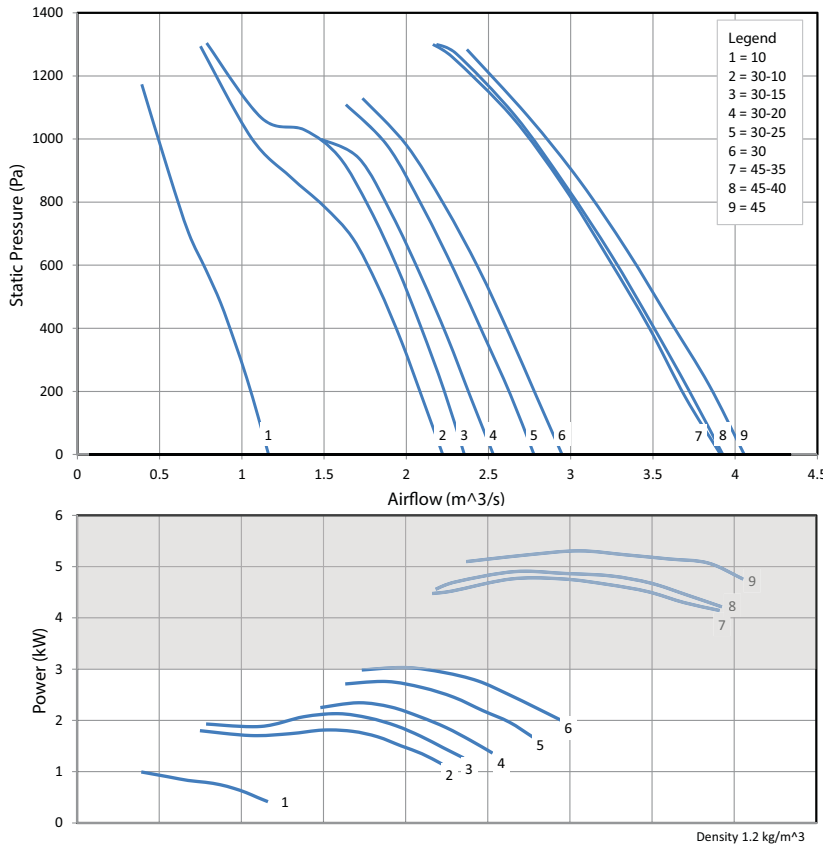


Blade Pitch	FEG
20-10	90
20-15	90
20	90
40-10	90
40-15	90
40-20	90
40-25	90
40-30	85
40-35	85
40	85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
40-15°	1	57	58	60	63	62	61	56	50	67	55.5
	38	55	55	56	58	60	60	58	54	66	54.5
	73	80	71	65	61	62	61	57	52	67	55.5
40-25°	1	56	57	58	59	59	59	57	54	65	53.5
	30	56	56	57	58	59	60	57	54	65	53.5
	69	56	56	57	58	63	64	60	55	69	57.5
40-35°	1	59	55	59	60	61	62	58	54	67	55.5
	39	59	56	59	60	65	65	61	55	70	58.5
	76	56	57	60	60	64	67	63	58	71	59.5
45-40°	1	59	58	59	61	64	64	60	56	69	57.5
	39	58	58	60	61	67	67	63	58	72	60.5
	69	56	59	61	60	65	67	64	59	72	60.5
45°	3	60	59	61	62	66	66	61	56	71	59.5
	38	57	58	62	62	67	67	62	56	72	60.5
	68	58	59	65	61	65	67	63	58	71	59.5

RA-400-225-6 (3500 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	10	80	80	82	84	88	90	88	85	95	83.5
	390	80	80	83	86	93	92	87	84	97	85.5
	789	92	92	94	93	91	90	88	86	97	85.5
30-10°	10	84	84	89	91	91	90	91	89	97	85.5
	594	82	82	87	88	90	87	88	87	95	83.5
	887	98	98	96	96	93	89	89	87	98	86.5
30°	10	81	81	87	88	88	87	90	88	95	83.5
	497	78	78	92	92	87	86	92	90	97	85.5
	789	79	79	88	89	87	87	94	92	98	86.5
40-25°	10	84	84	90	89	88	88	90	89	96	84.5
	585	82	83	92	92	86	86	89	90	96	84.5
	1111	81	81	89	89	86	86	93	93	98	86.5
45-35°	10	88	88	93	91	89	90	92	92	98	86.5
	585	86	86	94	92	88	89	93	94	99	87.5
	1062	84	84	93	91	89	89	97	96	101	89.5



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

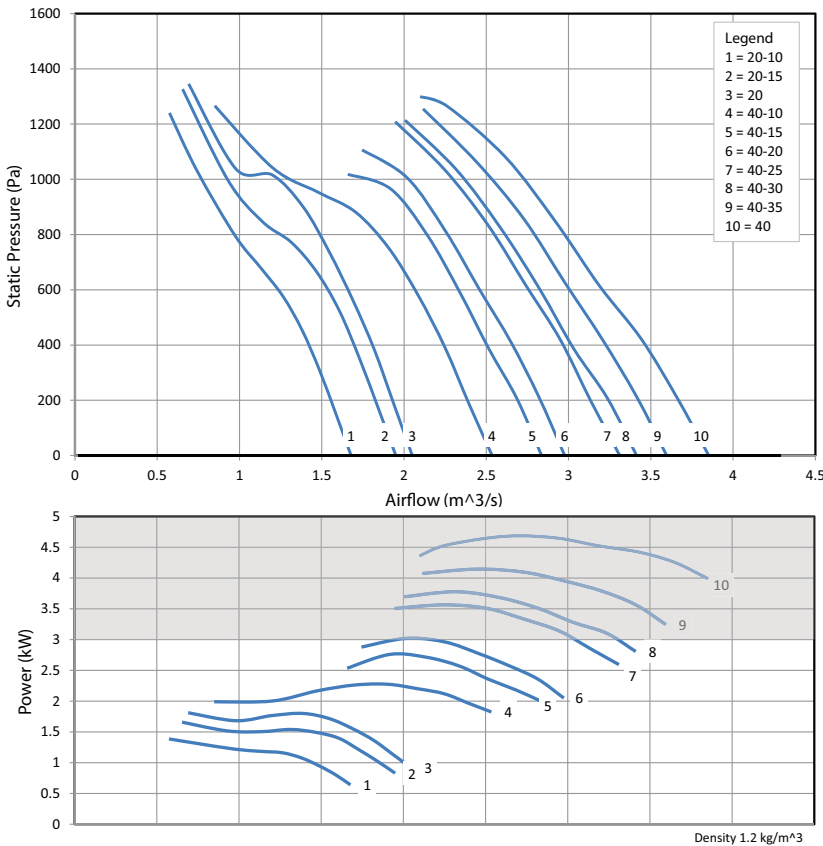
Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.



Blade Pitch	FEG
10	67
30-10	80
30-15	85
30-20	85
30-25	85
30	80
45-35	80
45-40	80
45	80

RA-400-225-6 (3500 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

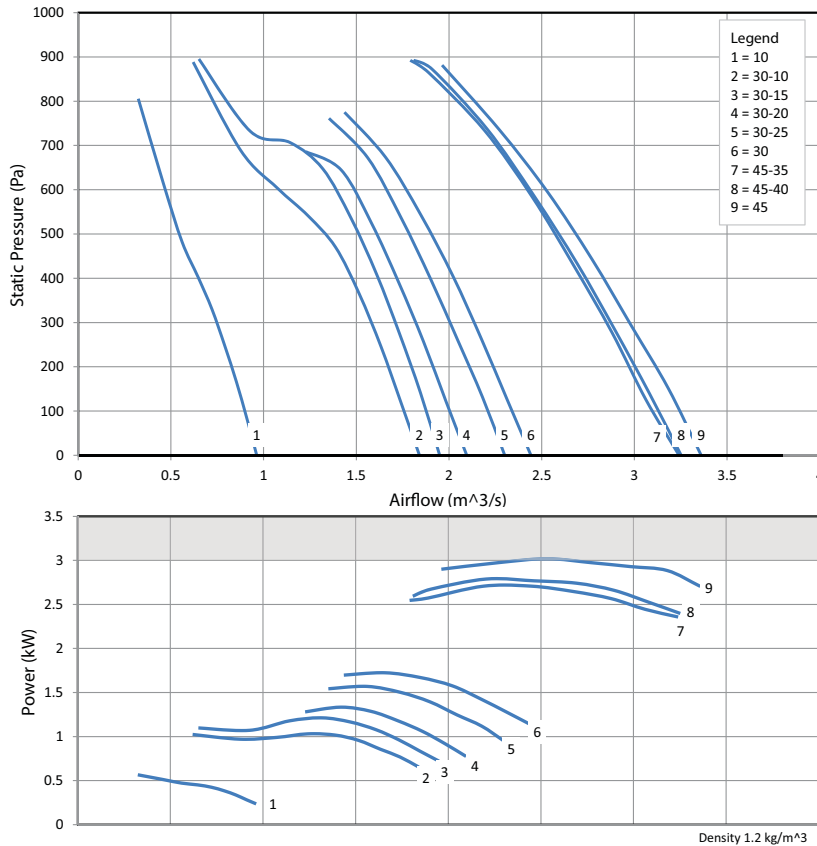


Blade Pitch	FEG
20-10	75
20-15	80
20	85
40-10	85
40-15	85
40-20	85
40-25	85
40-30	85
40-35	85
40	85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20°	10	77	77	82	84	89	90	87	86	95	83.5
	585	76	76	86	88	89	89	87	87	95	83.5
	974	88	88	94	97	93	92	91	89	99	87.5
30-25°	10	78	78	85	86	88	89	89	87	95	83.5
	585	76	76	90	90	87	88	90	89	96	84.5
	1091	88	88	90	92	90	90	94	91	98	86.5
40-20°	10	83	83	87	88	89	90	91	90	97	85.5
	594	80	80	88	87	86	87	89	89	95	83.5
	984	84	84	89	89	87	86	90	91	96	84.5
40°	19	86	86	90	89	90	89	92	91	97	85.5
	487	83	83	89	87	90	88	95	93	99	87.5
	984	82	82	95	93	89	88	97	95	101	89.5
45-40°	19	86	86	92	91	88	89	93	93	98	86.5
	585	83	83	92	90	88	89	96	95	100	88.5
	1081	82	83	94	92	88	89	97	97	101	89.5

RA-400-225-6 (2900 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	7	76	76	78	81	84	85	83	79	90	78.5
	268	76	77	80	84	88	86	82	78	92	80.5
	542	88	88	90	88	86	85	84	80	92	80.5
30-10°	7	80	81	86	87	87	86	86	83	93	81.5
	408	78	80	84	85	85	83	83	82	91	79.5
	609	94	94	92	91	87	85	85	82	94	82.5
30°	7	76	78	83	84	84	84	86	83	91	79.5
	341	74	78	88	87	83	84	87	84	92	80.5
	542	74	77	85	84	83	85	90	86	94	82.5
40-25°	7	80	82	86	84	84	85	86	84	92	80.5
	401	78	81	88	86	82	83	86	85	91	79.5
	762	76	79	85	84	82	84	89	88	93	81.5
45-35°	7	83	85	89	86	85	87	88	87	94	82.5
	401	82	84	90	87	84	86	90	89	95	83.5
	729	80	82	88	86	85	87	92	91	96	84.5



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

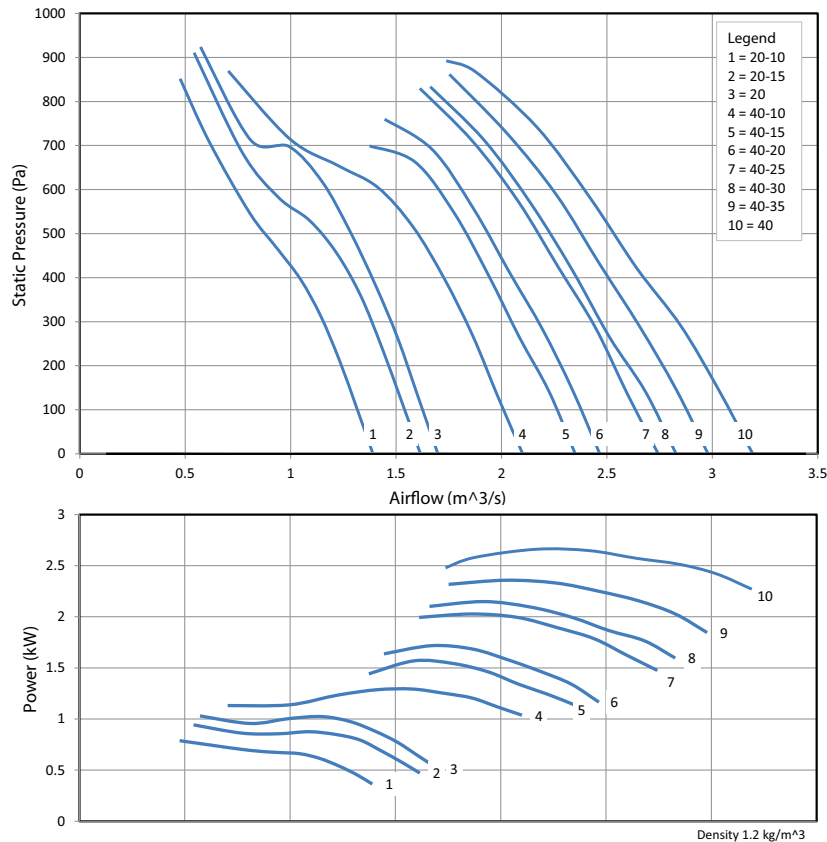
Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.



Blade Pitch	FEG
10	67
30-10	80
30-15	85
30-20	85
30-25	85
30	80
45-35	80
45-40	80
45	80

RA-400-225-6 (2900 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

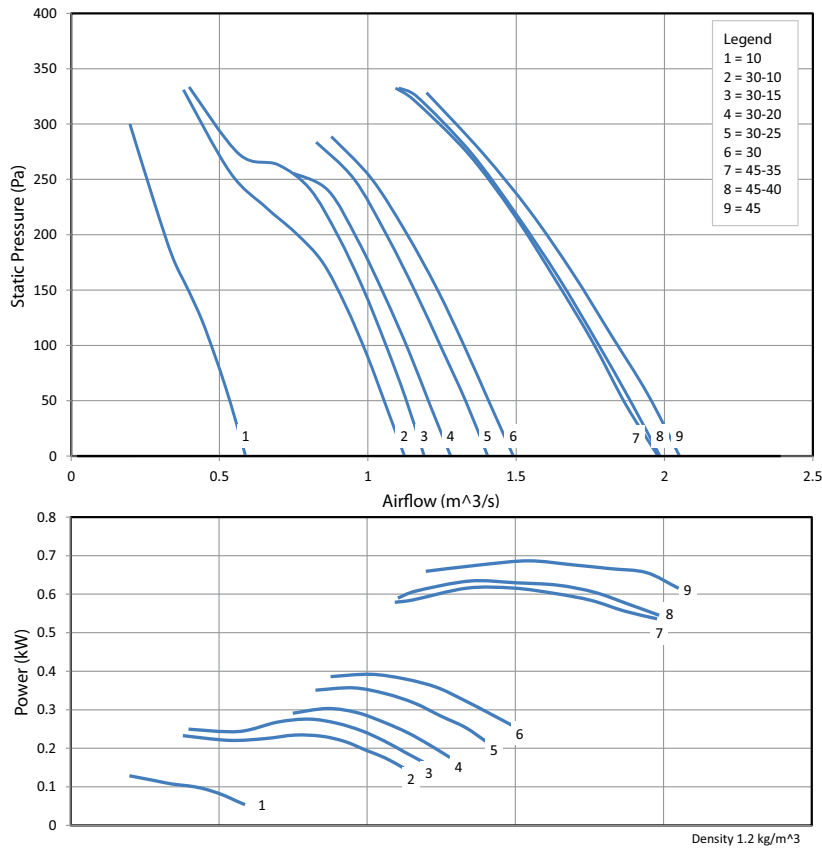


Blade Pitch	FEG
20-10	75
20-15	80
20	85
40-10	85
40-15	85
40-20	85
40-25	85
40-30	85
40-35	85
40	85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20°	7	73	74	79	81	85	85	83	80	90	78.5
	401	72	75	83	84	85	85	83	81	91	79.5
	669	84	86	91	92	88	87	87	84	95	83.5
30-25°	7	74	76	81	82	84	85	84	82	91	79.5
	401	71	75	86	85	83	84	86	84	92	80.5
	749	84	85	87	87	86	87	89	85	94	82.5
40-20°	7	79	80	83	84	85	86	87	84	93	81.5
	408	76	78	83	82	82	83	85	84	91	79.5
	676	80	81	85	84	83	83	86	86	92	80.5
40°	13	82	83	86	85	86	86	88	86	93	81.5
	334	79	81	85	83	85	86	90	88	94	82.5
	676	78	81	91	88	85	87	92	90	96	84.5
45-40°	13	82	84	88	86	84	86	89	88	94	82.5
	401	79	81	87	86	85	87	92	90	96	84.5
	743	78	82	90	87	85	87	93	91	97	85.5

RA-400-225-6 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

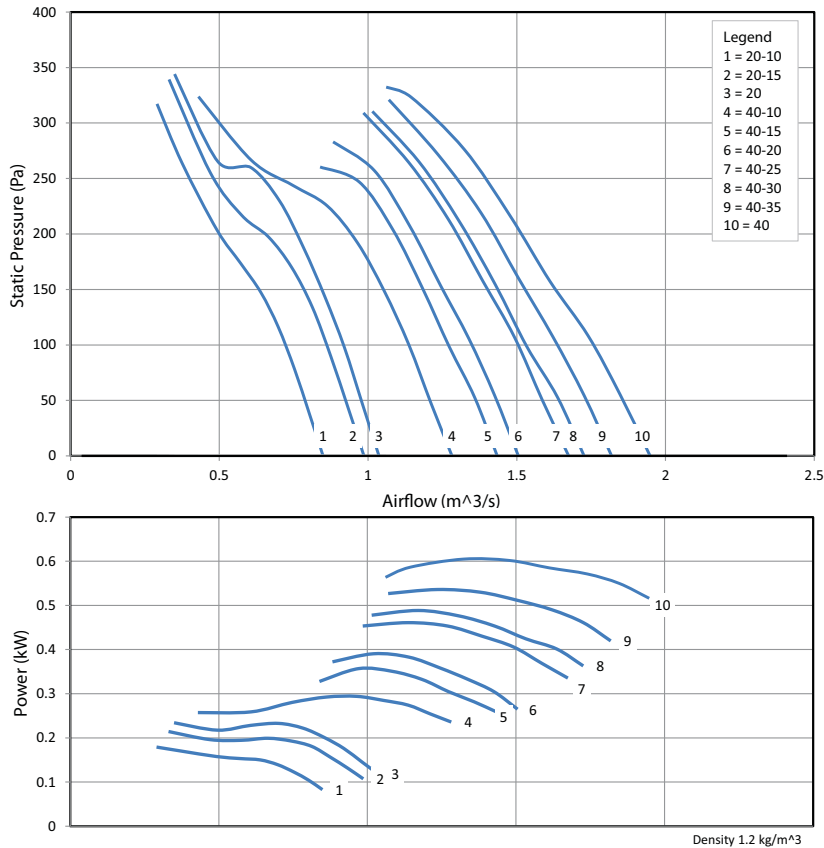


Blade Pitch	FEG
10	67
30-10	80
30-15	85
30-20	85
30-25	85
30	80
45-35	80
45-40	80
45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	2	65	67	69	73	75	73	70	64	79	67.5
	100	65	69	71	78	77	72	69	63	81	69.5
	202	77	79	78	76	75	74	71	65	80	68.5
30-10°	2	69	74	76	76	75	76	74	68	82	70.5
	152	67	73	74	76	72	73	73	67	79	67.5
	227	84	81	81	78	74	75	73	67	81	69.5
30°	2	66	72	73	73	73	75	73	68	80	68.5
	127	63	77	77	72	71	77	75	69	82	70.5
	202	64	74	74	72	72	79	78	71	84	72.5
40-25°	2	69	75	74	73	73	75	74	70	81	69.5
	150	68	78	77	72	71	75	75	72	81	69.5
	284	66	74	74	72	71	79	78	74	83	71.5
45-35°	2	73	78	76	74	76	78	77	73	83	71.5
	150	71	79	77	74	74	79	79	74	84	72.5
	272	69	78	76	74	74	82	82	76	87	75.5

RA-400-225-6 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

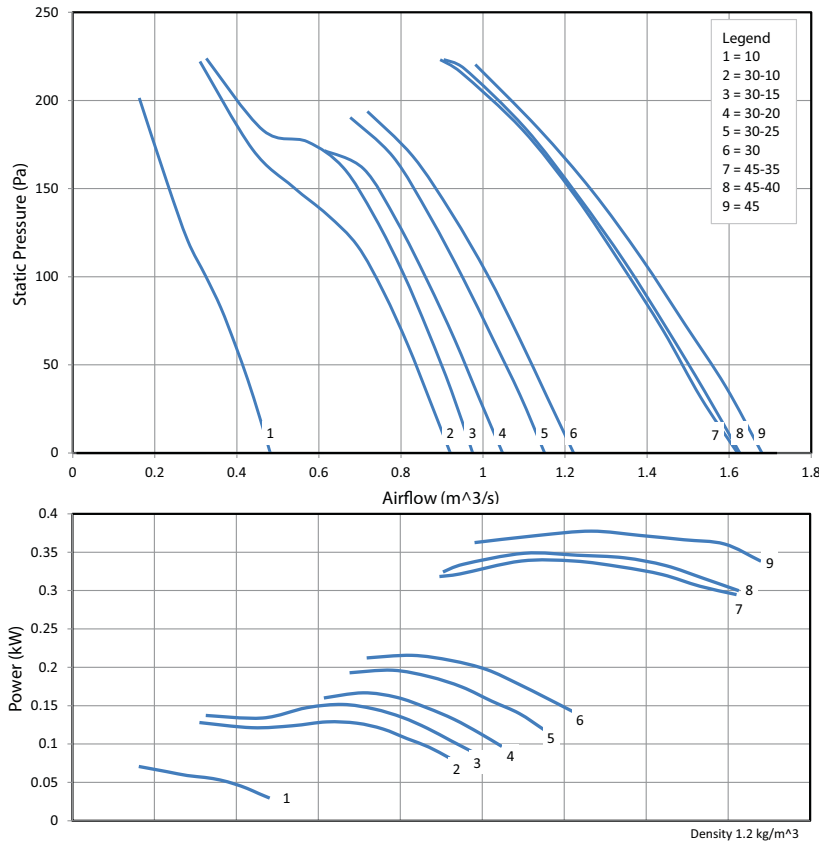


Blade Pitch	FEG
20-10	75
20-15	80
20	85
40-10	85
40-15	85
40-20	85
40-25	85
40-30	85
40-35	85
40	85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20°	2	62	67	69	74	75	72	71	64	79	67.5
	150	61	72	73	74	75	73	72	68	80	68.5
	249	73	80	82	78	77	76	75	70	83	71.5
30-25°	2	64	70	71	73	74	74	73	68	80	68.5
	150	61	75	75	72	73	75	74	70	81	69.5
	279	74	76	77	75	75	79	76	71	83	71.5
40-20°	2	68	72	73	74	75	77	75	69	82	70.5
	152	65	73	72	71	72	75	75	71	80	68.5
	252	69	74	74	72	71	75	76	72	81	69.5
40°	5	71	75	74	75	74	77	76	72	83	71.5
	125	68	74	72	75	73	80	78	73	84	72.5
	252	67	80	78	75	74	82	81	75	86	74.5
45-40°	5	71	78	76	74	74	78	78	74	84	72.5
	150	68	77	76	74	74	81	81	75	86	74.5
	277	68	79	77	74	74	83	82	76	87	75.5

RA-400-225-6 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

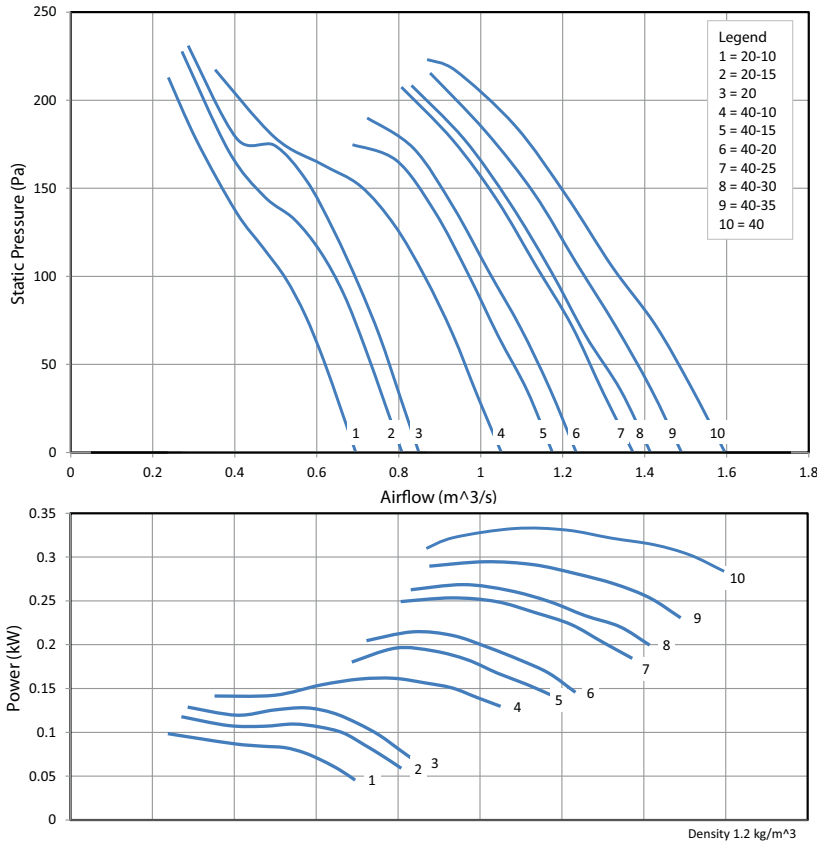


Blade Pitch	FEG
10	67
30-10	80
30-15	85
30-20	85
30-25	85
30	80
45-35	80
45-40	80
45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	2	61	63	66	69	70	68	64	57	74	62.5
	67	62	65	69	73	71	67	63	57	75	63.5
	136	73	75	73	71	70	69	65	59	75	63.5
30-10°	2	66	71	72	72	71	71	68	62	77	65.5
	102	65	69	70	70	68	68	67	61	75	63.5
	152	79	77	76	72	70	70	67	61	76	64.5
30°	2	63	68	69	68	69	70	68	62	76	64.5
	85	63	73	72	68	69	72	69	63	77	65.5
	136	62	69	69	68	70	75	71	65	79	67.5
40-25°	2	67	71	69	69	69	71	69	65	76	64.5
	100	66	73	71	67	68	70	70	66	76	64.5
	191	64	70	69	67	69	74	73	68	79	67.5
45-35°	2	70	74	71	70	72	73	72	68	79	67.5
	100	69	75	72	69	71	75	74	68	80	68.5
	182	67	73	71	70	72	77	76	70	82	70.5

RA-400-225-6 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

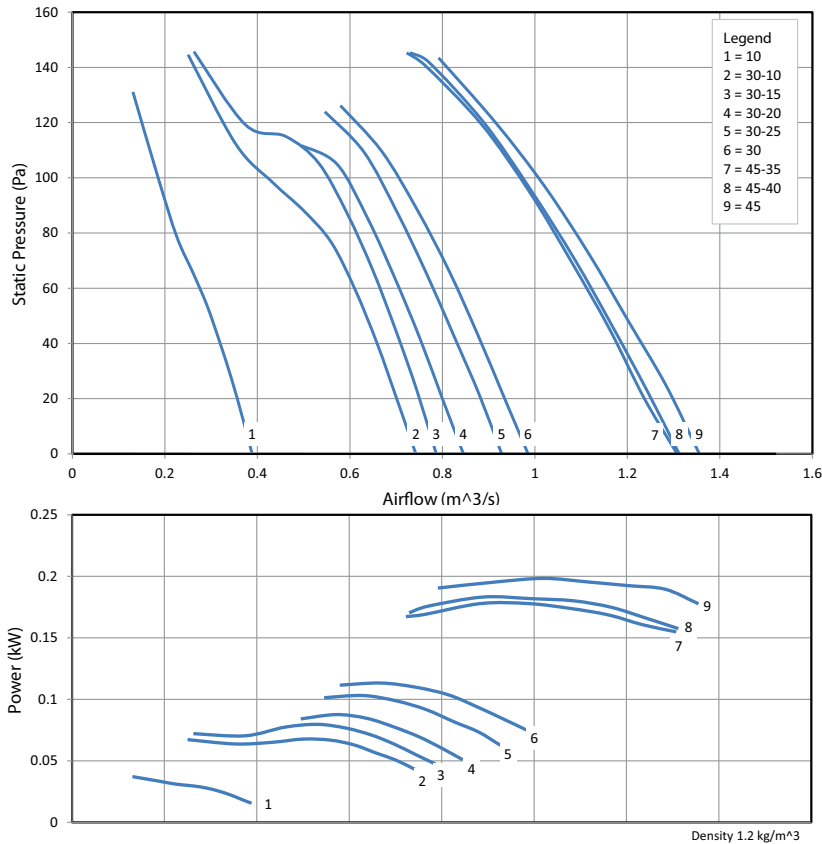


Blade Pitch	FEG
20-10	75
20-15	80
20	85
40-10	85
40-15	85
40-20	85
40-25	85
40-30	85
40-35	85
40	85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20°	2	59	63	66	70	70	68	65	58	74	62.5
	100	60	68	69	70	70	68	66	62	75	63.5
	167	71	76	77	73	72	71	69	64	78	66.5
30-25°	2	61	66	67	69	70	69	67	63	75	63.5
	100	60	71	70	68	69	71	69	64	76	64.5
	187	70	72	72	71	72	74	70	65	79	67.5
40-20°	2	65	68	69	70	71	72	69	62	77	65.5
	102	63	68	67	67	68	70	69	65	76	64.5
	169	66	70	69	68	68	71	71	66	77	65.5
40°	3	68	71	70	70	71	73	71	66	78	66.5
	84	66	70	68	70	71	75	73	68	79	67.5
	169	67	76	72	70	72	77	75	69	81	69.5
45-40°	3	69	73	71	69	71	74	73	68	79	67.5
	100	66	72	71	69	72	77	75	69	81	69.5
	186	67	75	72	69	72	78	76	70	82	70.5

RA-400-225-6 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

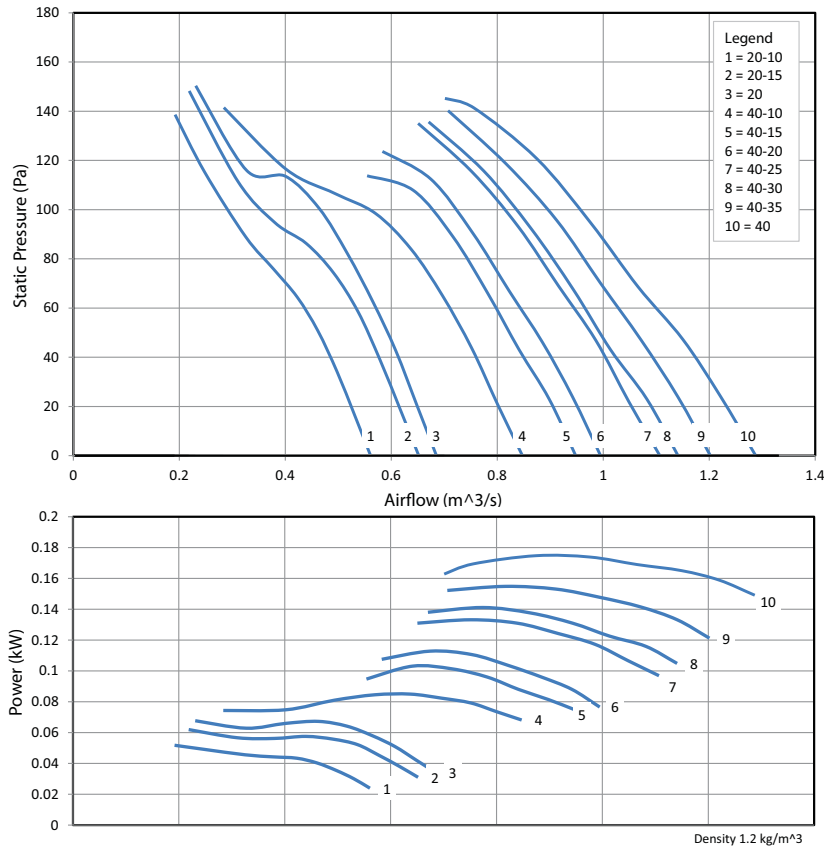


Blade Pitch	FEG
10	67
30-10	80
30-15	85
30-20	85
30-25	85
30	80
45-35	80
45-40	80
45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	1	57	59	63	65	65	63	57	50	69	57.5
	44	58	61	66	68	65	61	57	51	70	58.5
	88	69	70	68	66	65	63	58	52	70	58.5
30-10°	1	63	67	67	67	67	66	62	55	72	60.5
	67	62	64	66	64	63	64	60	55	69	57.5
	99	73	72	70	66	65	64	60	54	71	59.5
30°	1	61	64	64	64	65	65	61	56	71	59.5
	56	62	68	65	63	66	67	62	56	72	60.5
	88	61	65	64	63	67	69	65	58	73	61.5
40-25°	1	64	66	64	64	65	66	63	59	71	59.5
	65	65	69	65	62	64	66	64	61	71	59.5
	124	62	65	64	63	67	69	67	62	74	62.5
45-35°	1	67	69	66	66	68	68	66	62	74	62.5
	65	67	70	66	65	68	70	67	62	75	63.5
	119	65	69	66	65	70	73	69	63	77	65.5

RA-400-225-6 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

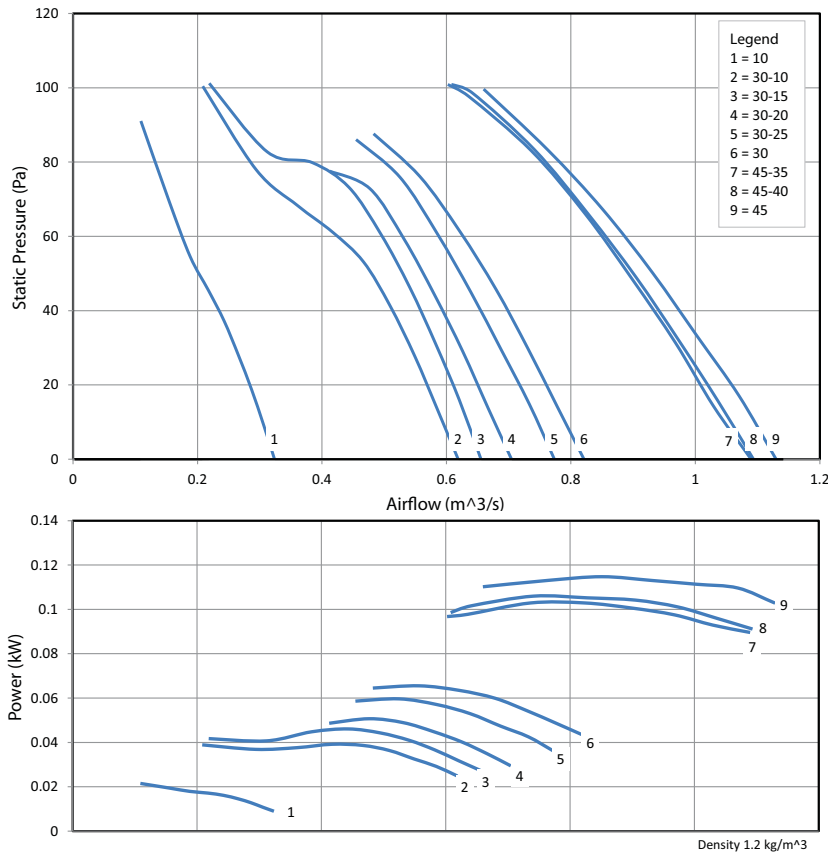


Blade Pitch	FEG
20-10	75
20-15	80
20	85
40-10	85
40-15	85
40-20	85
40-25	85
40-30	85
40-35	85
40	85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20°	1	56	59	63	65	64	63	58	51	69	57.5
	65	59	64	65	65	64	63	60	56	70	58.5
	109	68	72	71	68	68	66	63	58	73	61.5
30-25°	1	58	61	63	65	65	64	61	57	70	58.5
	65	60	66	64	64	65	66	63	58	71	59.5
	122	66	68	67	66	68	68	64	59	73	61.5
40-20°	1	62	64	65	66	67	67	62	56	72	60.5
	67	61	64	62	62	65	66	63	59	71	59.5
	110	63	65	64	62	64	67	65	60	72	60.5
40°	2	65	66	66	65	67	68	65	60	73	61.5
	54	63	65	65	65	68	70	66	61	75	63.5
	110	66	71	67	65	70	72	68	62	76	64.5
45-40°	2	66	69	65	65	67	69	66	62	74	62.5
	65	64	68	65	65	70	72	69	63	76	64.5
	121	66	70	66	65	70	73	70	64	77	65.5

RA-400-225-6 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

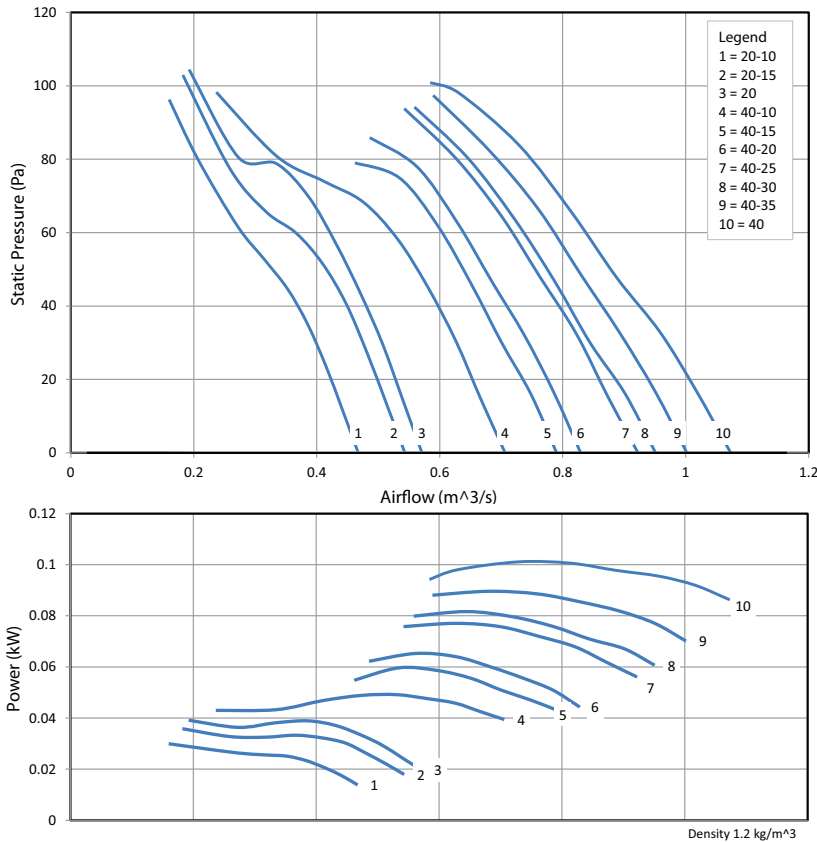


Blade Pitch	FEG
10	67
30-10	80
30-15	85
30-20	85
30-25	85
30	80
45-35	80
45-40	80
45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	1	53	56	60	62	61	58	52	45	65	53.5
	30	55	58	64	64	60	56	51	46	65	53.5
	61	66	66	63	62	61	59	53	47	66	54.5
30-10°	1	61	63	63	62	63	62	56	50	68	56.5
	46	59	60	62	59	60	60	55	50	65	53.5
	69	68	68	65	61	61	60	55	48	66	54.5
30°	1	58	60	60	60	62	61	56	50	66	54.5
	39	62	64	60	58	63	63	57	51	68	56.5
	61	59	61	60	59	65	65	59	52	70	58.5
40-25°	1	61	62	60	60	62	62	58	54	67	55.5
	45	63	65	59	58	61	62	59	56	67	55.5
	86	60	61	59	59	65	65	61	57	70	58.5
45-35°	1	64	65	62	63	64	64	61	57	70	58.5
	45	65	66	61	61	65	66	62	56	71	59.5
	82	64	65	61	61	68	69	64	58	73	61.5

RA-400-225-6 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

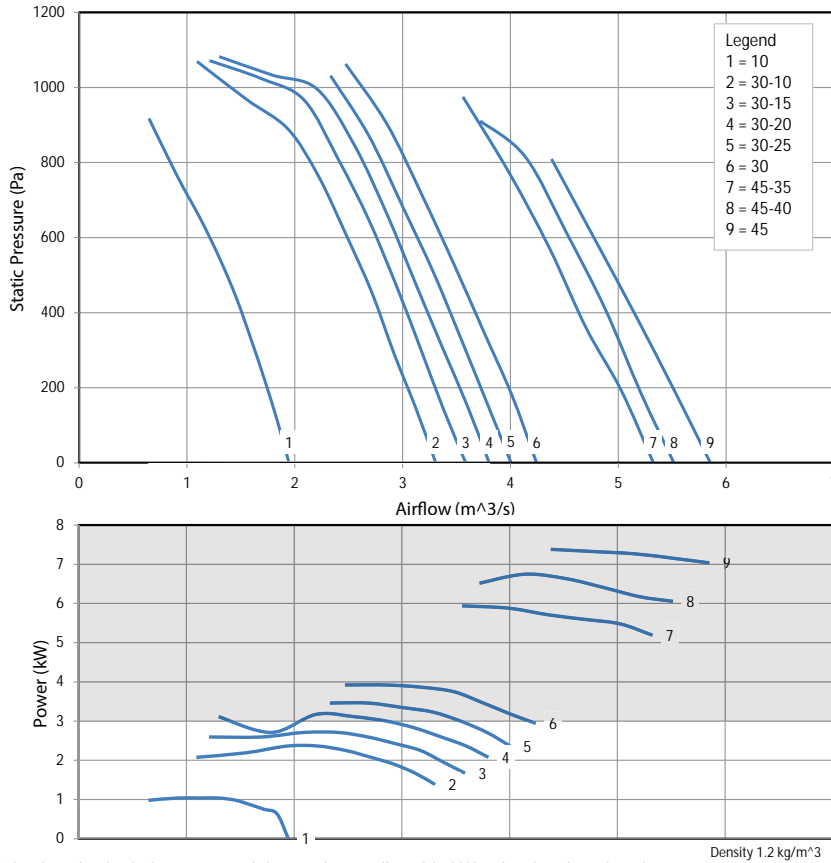


Blade Pitch	FEG
20-10	75
20-15	80
20	85
40-10	85
40-15	85
40-20	85
40-25	85
40-30	85
40-35	85
40	85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20°	1	54	56	60	62	60	58	52	46	65	53.5
	45	57	60	61	62	60	59	55	51	65	53.5
	75	66	69	66	64	63	62	58	53	68	56.5
30-25°	1	56	58	60	61	61	60	56	51	66	54.5
	45	60	62	60	60	62	61	57	53	67	55.5
	85	62	64	63	62	65	63	59	54	69	57.5
40-20°	1	59	60	61	62	63	63	57	50	68	56.5
	46	59	60	58	59	61	62	58	54	67	55.5
	76	61	61	60	58	62	63	59	55	68	56.5
40°	1	62	62	62	61	64	64	59	55	69	57.5
	38	60	61	61	61	66	66	61	56	71	59.5
	76	66	67	62	61	68	68	63	57	73	61.5
45-40°	1	64	65	61	61	64	65	61	57	70	58.5
	45	63	64	61	61	67	68	63	58	72	60.5
	84	65	66	61	61	69	69	64	58	74	62.5

RA-450-225-4 (3500 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.



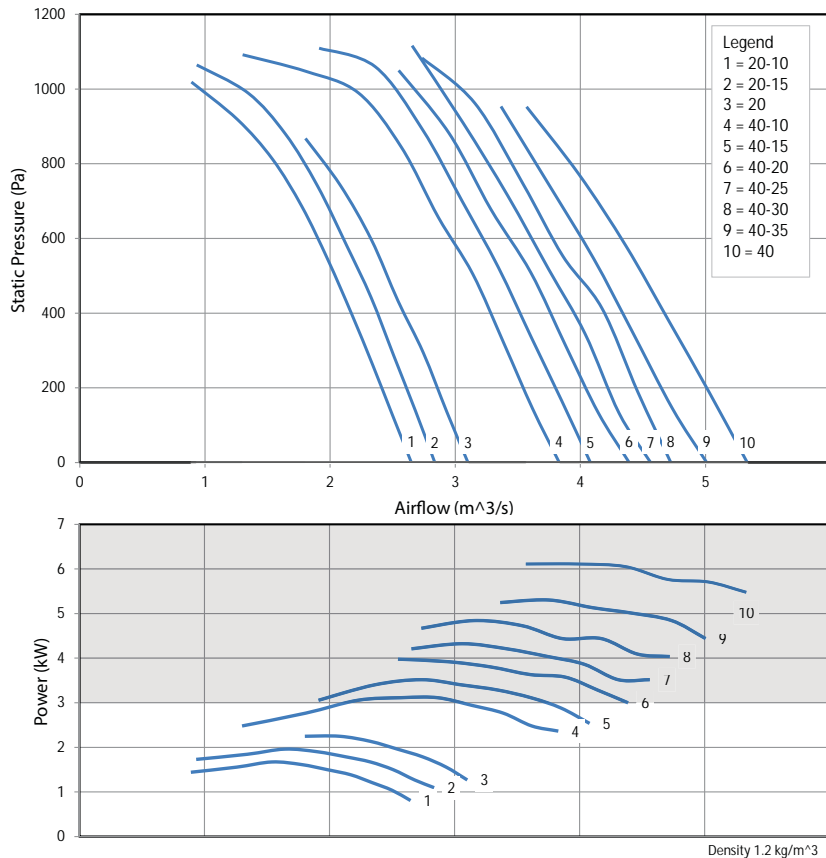
Blade Pitch	FEG
10	80
30-10	90
30-15	90
30-20	90
30-25	85
30	85
45-35	85
45-40	80
45	80

Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	10	83	83	85	82	85	85	88	87	93	81.5
	399	84	84	86	80	88	86	87	86	93	81.5
	838	97	97	97	96	91	88	90	89	98	86.5
20-15°	10	84	84	89	81	85	85	85	84	92	80.5
	477	86	86	89	86	84	84	85	86	92	80.5
	974	91	91	91	96	97	92	89	90	100	88.5
30-15°	10	87	87	91	83	87	87	87	86	94	82.5
	487	88	88	91	86	86	85	88	88	94	82.5
	886	88	88	91	87	87	87	90	91	96	84.5
30°	19	88	88	93	85	89	87	88	88	95	83.5
	477	87	87	90	88	88	86	89	91	96	84.5
	886	87	87	92	91	89	87	92	94	98	86.5
40°	19	90	90	95	87	92	91	94	95	100	88.5
	477	90	90	94	92	92	91	96	98	102	90.5
	867	90	90	94	95	92	91	94	97	101	89.5

RA-450-225-4 (3500 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

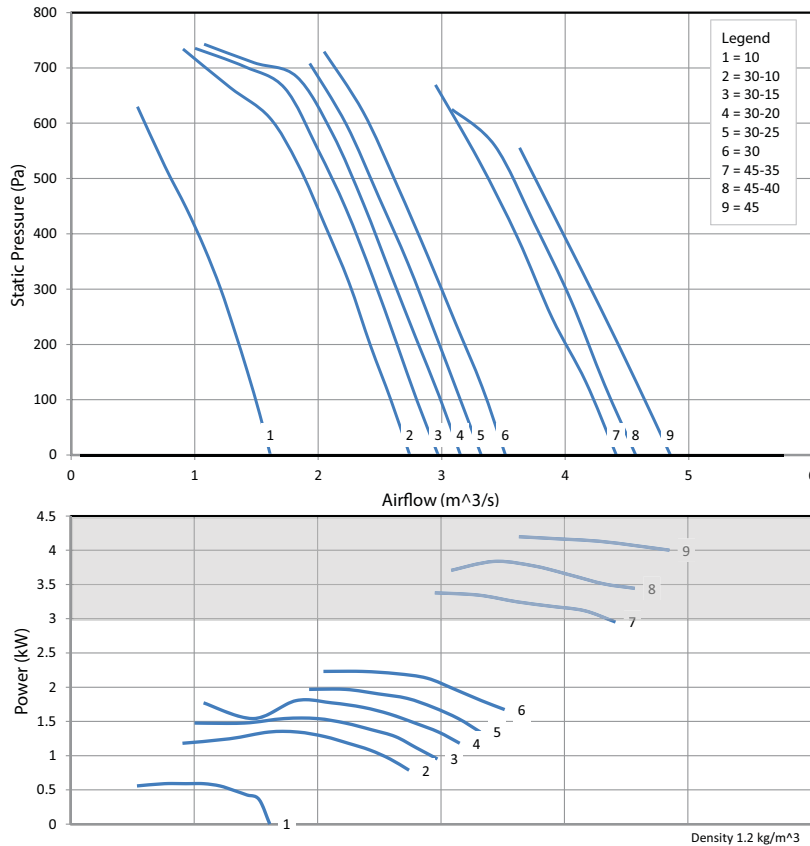


Blade Pitch	FEG
20-10	90
20-15	90
20	85
40-10	90
40-15	90
40-20	90
40-25	90
40-30	85
40-35	85
40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
40-10°	10	90	90	93	87	92	92	91	89	98	86.5
	487	87	87	92	84	87	87	87	87	94	82.5
	886	87	87	91	91	89	88	87	87	95	83.5
40-20°	19	88	88	92	84	89	89	88	87	95	83.5
	477	87	87	92	89	88	88	89	88	95	83.5
	877	86	86	91	88	86	86	90	92	96	84.5
40-30°	19	89	89	92	89	90	89	88	88	96	84.5
	497	87	87	93	88	90	88	92	93	98	86.5
	857	88	88	92	92	90	88	94	95	99	87.5
45-35°	19	90	90	93	88	92	92	92	92	99	87.5
	487	89	89	92	88	91	91	95	95	100	88.5
	857	89	89	94	91	92	90	94	96	100	88.5
45°	19	94	94	96	92	93	94	95	95	101	89.5
	487	90	90	93	93	92	93	95	96	101	89.5
	867	101	101	97	97	93	92	93	96	101	89.5

RA-450-225-4 (2900 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	7	78	79	81	78	80	81	83	81	88	76.5
	274	79	80	81	78	83	82	82	80	88	76.5
	575	92	92	92	90	86	84	85	83	93	81.5
20-15°	7	79	81	84	77	80	81	80	79	87	75.5
	328	81	82	84	81	79	80	81	80	87	75.5
	669	87	87	88	91	91	87	85	84	95	83.5
30-15°	7	82	83	87	80	82	82	82	80	89	77.5
	334	83	84	86	81	81	81	83	82	89	77.5
	609	84	85	87	83	82	83	86	85	91	79.5
30°	13	84	85	88	82	84	83	83	83	90	78.5
	328	82	83	85	83	83	82	85	86	91	79.5
	609	83	84	87	86	84	84	88	88	93	81.5
40°	13	85	87	90	84	87	88	90	89	95	83.5
	288	84	85	88	86	87	88	92	91	97	85.5
	595	86	87	89	89	87	87	91	92	96	84.5



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

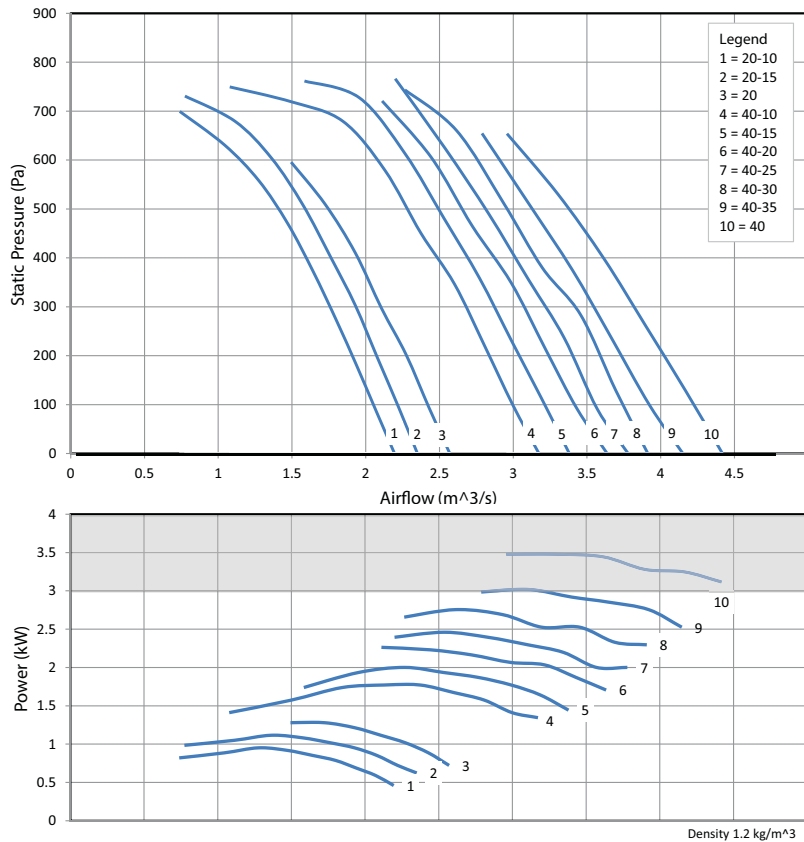
Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.



Blade Pitch	FEG
10	80
30-10	90
30-15	90
30-20	90
30-25	85
30	85
45-35	85
45-40	80
45	80

RA-450-225-4 (2900 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.



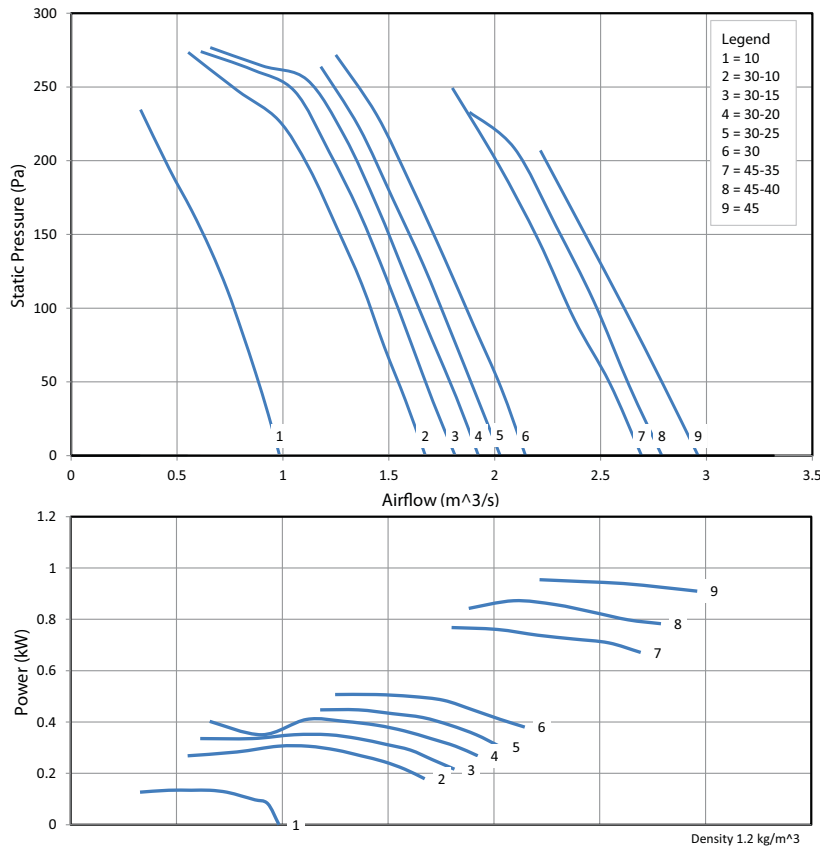
Blade Pitch	FEG
20-10	90
20-15	90
20	85
40-10	90
40-15	90
40-20	90
40-25	90
40-30	85
40-35	85
40	80

Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
40-10°	7	85	86	88	84	87	87	86	84	93	81.5
	334	82	84	87	80	82	83	83	82	90	78.5
	609	83	84	86	86	84	83	83	83	91	79.5
40-20°	13	83	85	88	81	85	84	84	83	91	79.5
	274	82	83	87	82	83	83	84	83	91	79.5
	602	82	83	86	83	82	83	86	87	92	80.5
40-30°	13	84	85	87	84	85	84	84	83	91	79.5
	341	83	84	88	84	85	85	88	87	93	81.5
	589	83	85	88	87	85	85	90	90	95	83.5
45-35°	13	86	86	88	84	88	87	88	87	94	82.5
	334	84	85	88	84	87	88	90	90	95	83.5
	589	85	86	89	87	87	87	90	91	96	84.5
45°	13	89	90	91	88	89	89	91	90	97	85.5
	334	85	86	88	88	88	89	91	91	96	84.5
	595	96	95	92	91	88	88	89	90	96	84.5

RA-450-225-4 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

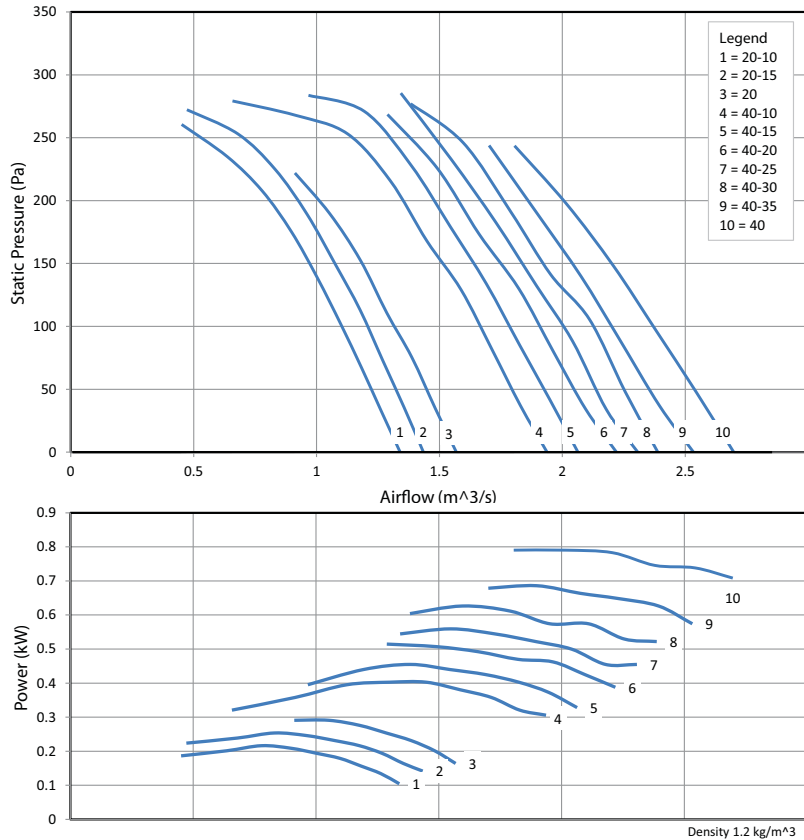


Blade Pitch	FEG
10	80
30-10	90
30-15	90
30-20	90
30-25	85
30	85
45-35	85
45-40	80
45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	2	67	70	66	69	70	73	72	66	78	66.5
	102	68	70	65	73	71	71	71	66	78	66.5
	214	82	82	81	76	73	75	73	68	81	69.5
20-15°	2	69	73	65	70	70	70	69	65	76	64.5
	122	70	73	71	69	69	70	71	68	77	65.5
	249	76	76	80	81	77	74	75	71	83	71.5
30-15°	2	71	76	68	72	72	72	71	67	78	66.5
	125	72	75	71	70	70	72	72	69	78	66.5
	227	73	76	72	72	71	75	76	71	81	69.5
30°	5	73	78	70	74	72	73	73	70	79	67.5
	122	71	75	72	72	71	74	76	73	81	69.5
	227	72	77	75	73	71	77	79	75	83	71.5
40°	5	75	79	72	77	76	79	80	76	85	73.5
	107	74	77	75	76	76	81	82	78	87	75.5
	222	75	78	79	77	75	79	82	79	86	74.5

RA-450-225-4 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

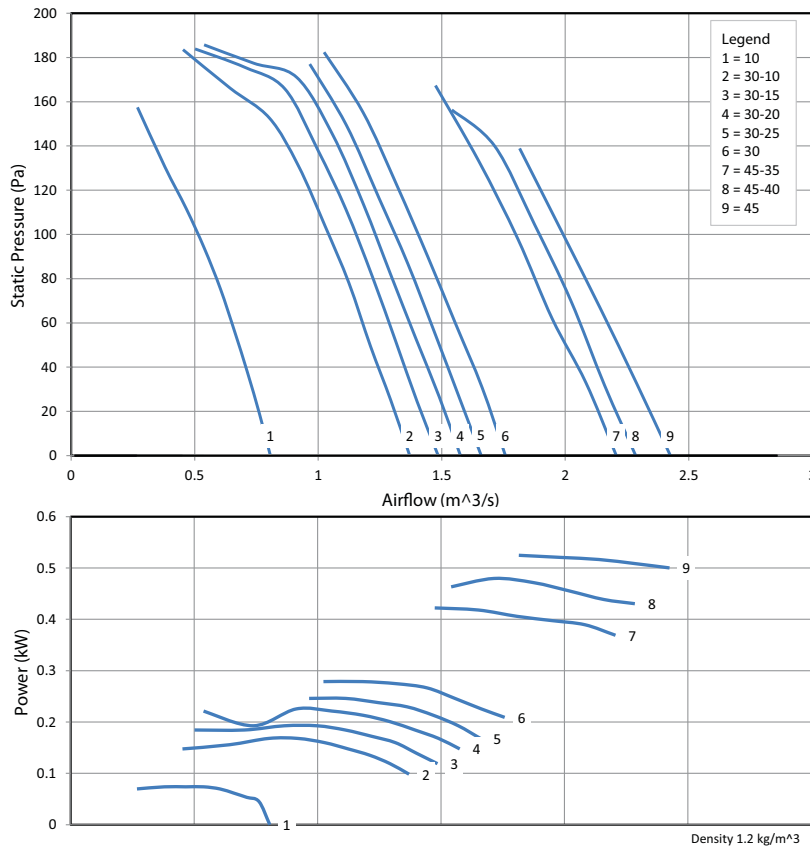


Blade Pitch	FEG
20-10	90
20-15	90
20	85
40-10	90
40-15	90
40-20	90
40-25	90
40-30	85
40-35	85
40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
40-10°	2	74	78	72	76	77	76	74	71	82	70.5
	125	72	76	68	72	72	72	72	70	79	67.5
	227	72	75	76	73	72	72	72	72	79	67.5
40-20°	5	73	77	68	74	74	73	72	71	80	68.5
	122	72	76	73	73	73	73	73	71	80	68.5
	224	71	75	73	71	71	75	77	74	82	70.5
40-30°	5	73	76	73	74	74	73	73	71	80	68.5
	127	72	77	72	74	73	77	77	74	83	71.5
	219	73	77	77	74	73	79	80	76	85	73.5
45-35°	5	75	77	72	77	77	77	77	74	83	71.5
	125	73	77	72	76	76	79	80	77	85	73.5
	219	74	78	76	77	75	79	81	78	86	74.5
45°	5	78	81	77	78	78	80	80	76	86	74.5
	125	75	77	77	77	77	79	81	78	86	74.5
	222	86	82	82	78	76	78	80	77	86	74.5

RA-450-225-4 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

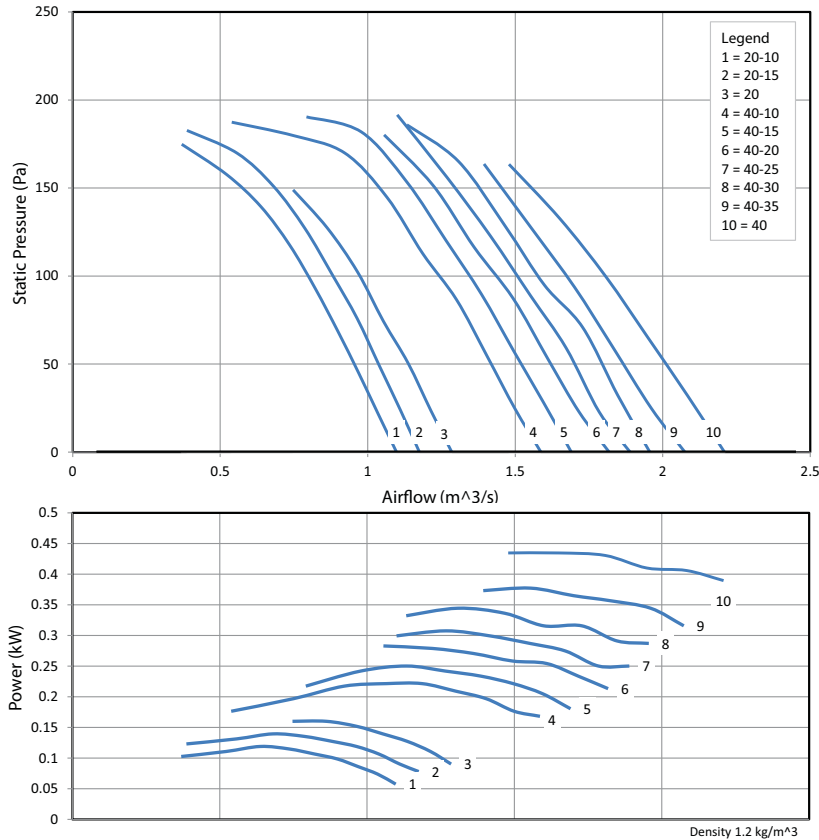


Blade Pitch	FEG
10	80
30-10	90
30-15	90
30-20	90
30-25	85
30	85
45-35	85
45-40	80
45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	2	64	66	63	65	66	68	66	60	73	61.5
	85	65	66	67	73	70	67	65	60	75	63.5
	144	77	77	75	71	69	70	68	63	76	64.5
20-15°	2	66	69	62	65	65	65	64	59	71	59.5
	82	67	69	66	64	65	66	65	63	72	60.5
	167	72	73	76	76	72	70	69	65	78	66.5
30-15°	2	68	72	65	67	67	67	65	62	73	61.5
	84	69	71	66	66	66	68	67	63	74	62.5
	152	70	72	68	67	68	71	70	66	76	64.5
30°	3	70	73	67	69	68	68	68	64	75	63.5
	82	68	70	68	68	67	70	71	68	76	64.5
	152	69	72	71	69	69	73	73	70	79	67.5
40°	3	72	75	69	72	73	75	74	70	80	68.5
	82	71	75	72	72	73	77	77	73	82	70.5
	149	72	74	74	72	72	76	77	73	82	70.5

RA-450-225-4 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

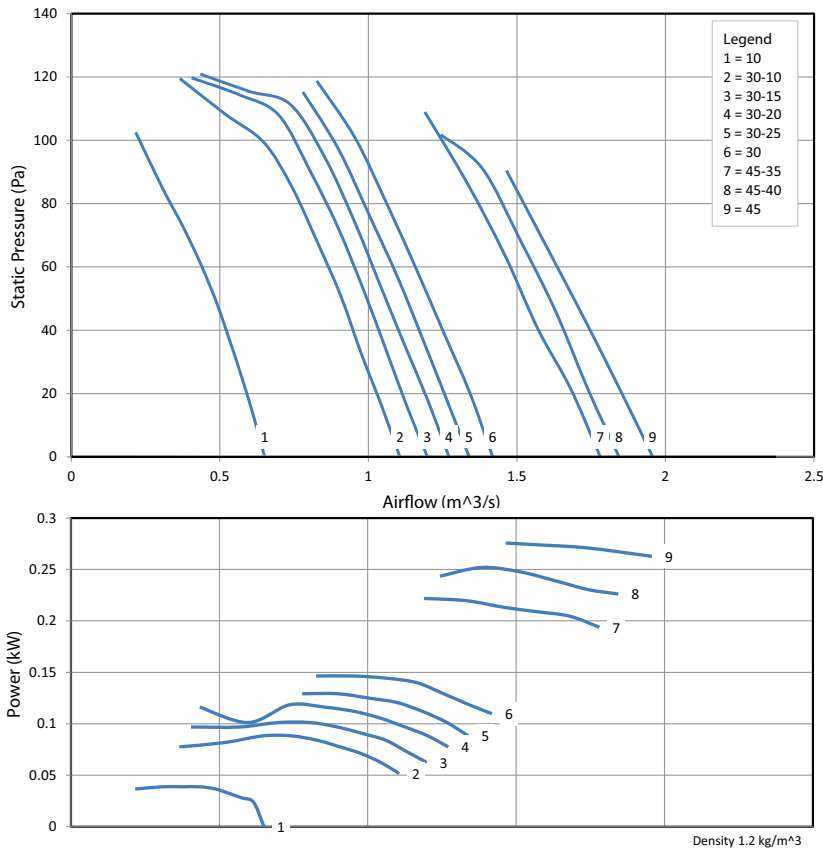


Blade Pitch	FEG
20-10	90
20-15	90
20	85
40-10	90
40-15	90
40-20	90
40-25	90
40-30	85
40-35	85
40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
40-10°	2	71	73	69	72	72	71	69	66	77	65.5
	64	69	72	66	68	69	69	68	66	75	63.5
	152	69	71	71	69	68	67	68	68	75	63.5
40-20°	3	70	73	66	70	69	68	68	66	75	63.5
	82	69	72	69	69	68	69	68	67	75	63.5
	151	68	71	68	67	68	71	72	69	77	65.5
40-30°	3	70	72	69	70	69	69	68	66	76	64.5
	85	69	73	69	70	70	73	72	69	78	66.5
	147	70	73	72	70	70	75	75	71	80	68.5
45-35°	3	71	73	69	73	72	73	72	69	79	67.5
	84	70	73	69	72	73	75	74	71	81	69.5
	147	71	74	72	72	72	75	76	73	81	69.5
45°	3	75	76	73	74	74	75	75	71	81	69.5
	84	71	73	73	73	74	75	76	72	82	70.5
	149	80	77	76	73	73	74	75	71	81	69.5

RA-450-225-4 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

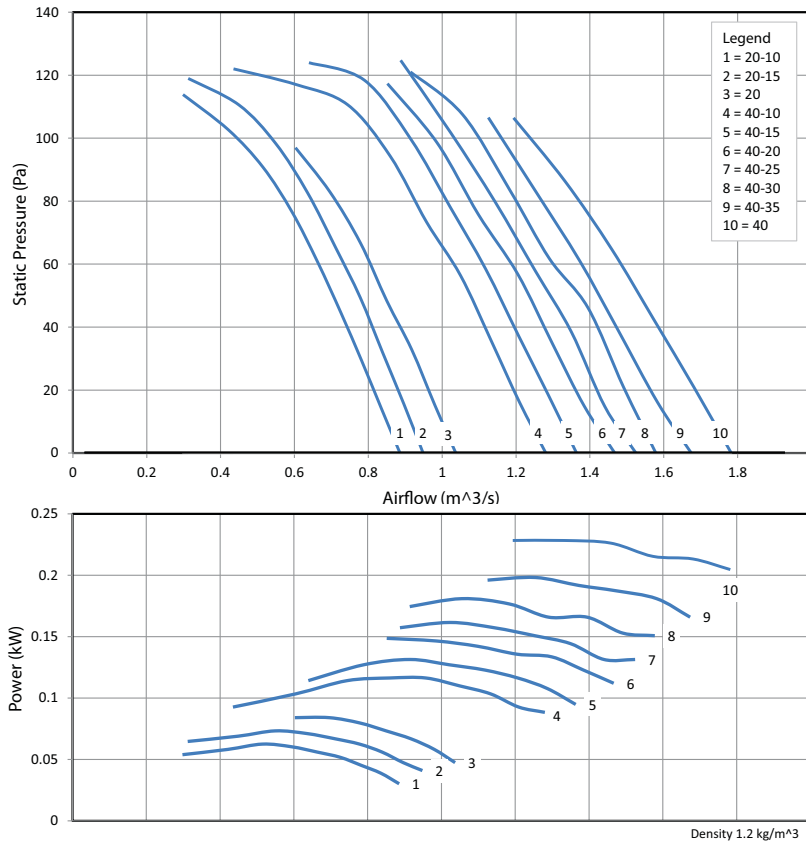


Blade Pitch	FEG
10	80
30-10	90
30-15	90
30-20	90
30-25	85
30	85
45-35	85
45-40	80
45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	1	61	59	59	61	62	63	59	53	68	56.5
	45	61	58	60	62	62	62	59	54	68	56.5
	94	73	72	69	65	65	65	61	56	71	59.5
20-15°	1	64	60	59	61	61	60	58	53	66	54.5
	53	64	63	61	60	60	61	60	57	67	55.5
	109	67	69	72	70	66	65	63	59	73	61.5
30-15°	1	67	62	61	63	63	62	60	56	68	56.5
	54	66	64	62	61	62	63	61	58	69	57.5
	99	67	65	63	63	65	67	64	60	72	60.5
30°	2	69	64	63	64	63	64	62	59	70	58.5
	53	66	64	63	62	64	66	65	62	72	60.5
	99	68	67	65	63	66	69	68	64	74	62.5
40°	2	70	66	66	67	69	70	68	64	76	64.5
	53	70	69	68	67	70	73	71	67	78	66.5
	97	69	70	69	67	68	72	71	68	77	65.5

RA-450-225-4 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

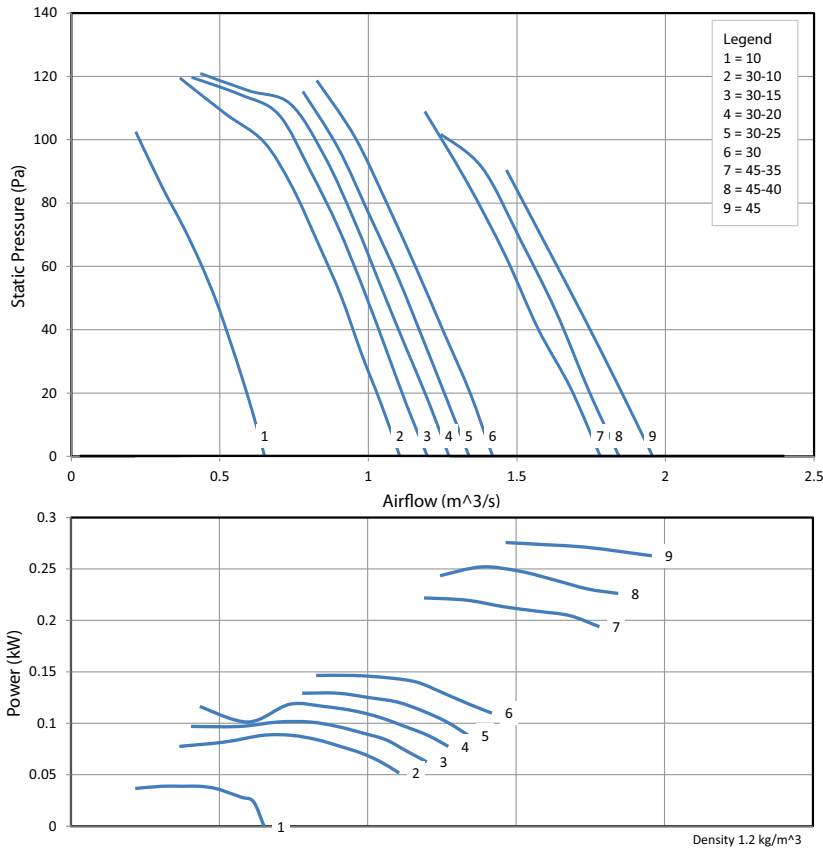


Blade Pitch	FEG
20-10	90
20-15	90
20	85
40-10	90
40-15	90
40-20	90
40-25	90
40-30	85
40-35	85
40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
40-10°	1	69	65	65	68	67	66	63	60	72	60.5
	54	67	63	61	63	63	63	62	61	69	57.5
	99	66	67	65	64	63	63	63	63	70	58.5
40-20°	2	68	63	63	65	64	64	63	61	70	58.5
	53	67	66	64	64	64	64	63	61	70	58.5
	98	66	65	63	62	64	67	66	64	72	60.5
40-30°	2	67	66	65	65	64	64	63	61	71	59.5
	56	68	65	65	65	66	68	66	63	73	61.5
	96	68	68	67	64	67	71	69	65	75	63.5
45-35°	2	68	65	66	68	68	68	66	64	74	62.5
	44	69	66	67	67	69	70	68	65	76	64.5
	96	69	68	67	67	68	71	70	67	76	64.5
45°	2	72	69	68	69	70	71	69	65	76	64.5
	54	68	68	68	68	70	71	70	67	77	65.5
	97	74	73	70	68	68	70	69	66	76	64.5

RA-450-225-4 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

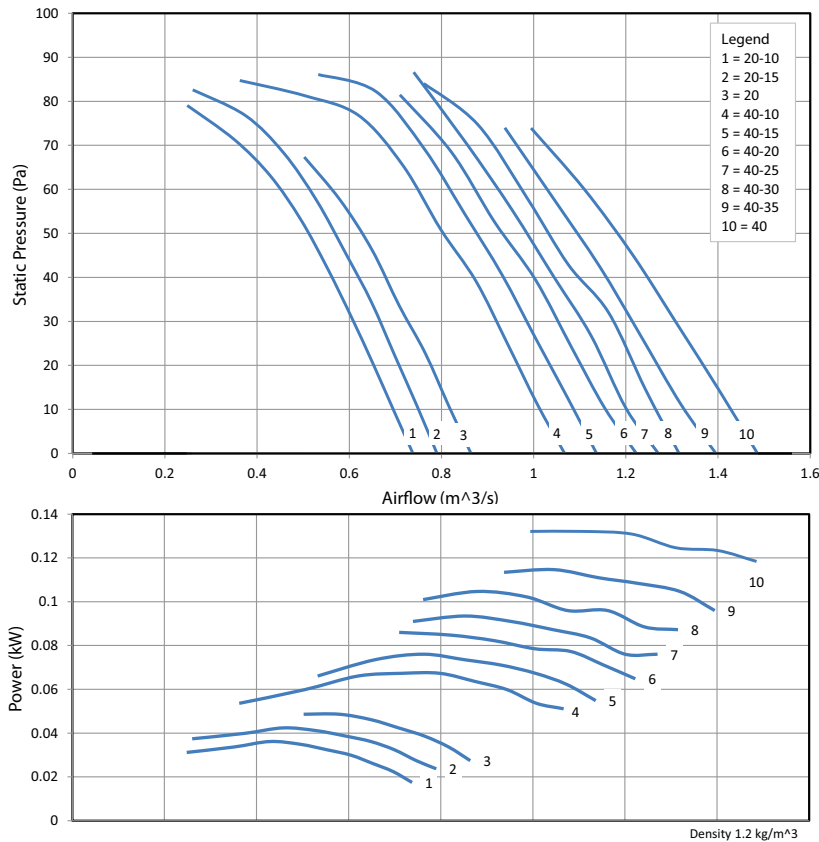


Blade Pitch	FEG
10	80
30-10	90
30-15	90
30-20	90
30-25	85
30	85
45-35	85
45-40	80
45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	1	57	54	56	57	59	59	54	47	64	52.5
	31	58	53	59	58	58	58	54	49	64	52.5
	65	69	68	64	61	61	61	56	51	67	55.5
20-15°	1	60	54	56	57	57	56	53	48	62	50.5
	37	60	58	56	56	57	58	55	53	63	51.5
	75	63	67	68	65	61	62	58	54	68	56.5
30-15°	1	63	56	58	59	59	58	55	51	64	52.5
	38	63	58	58	57	59	59	56	53	65	53.5
	69	63	60	59	58	61	63	59	54	68	56.5
30°	1	65	58	60	59	60	60	57	54	66	54.5
	37	62	60	59	58	61	63	60	57	68	56.5
	69	64	63	61	59	63	66	63	59	70	58.5
40°	1	66	60	63	63	65	67	63	59	72	60.5
	37	66	64	64	63	67	69	66	62	74	62.5
	67	65	66	64	63	65	69	66	63	73	61.5

RA-450-225-4 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

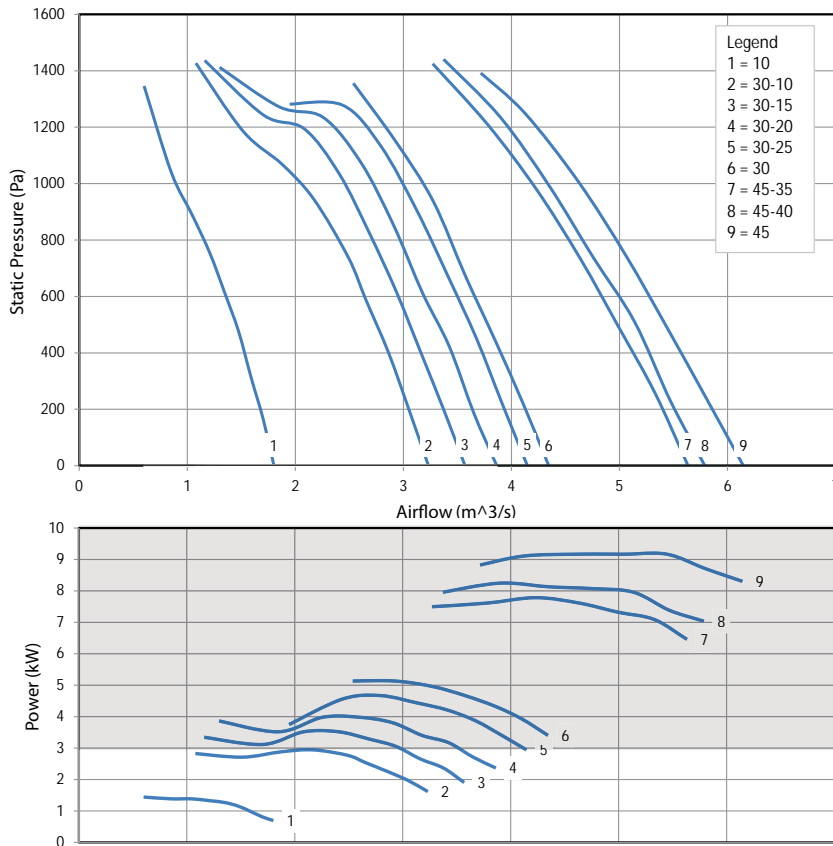


Blade Pitch	FEG
20-10	90
20-15	90
20	85
40-10	90
40-15	90
40-20	90
40-25	90
40-30	85
40-35	85
40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
40-10°	1	65	60	63	64	63	61	59	56	68	56.5
	38	64	57	58	59	59	59	58	56	65	53.5
	69	62	63	61	60	59	59	59	59	66	54.5
40-20°	1	64	57	60	61	60	59	58	57	66	54.5
	37	63	61	60	60	60	60	59	57	66	54.5
	68	62	60	58	58	62	64	62	59	69	57.5
40-30°	1	64	61	61	61	60	60	58	56	66	54.5
	39	64	60	61	60	63	64	62	58	69	57.5
	67	64	64	62	60	65	67	64	60	72	60.5
45-35°	1	65	60	63	64	64	64	62	59	70	58.5
	30	65	62	63	63	66	66	63	60	72	60.5
	67	65	63	64	62	65	68	65	62	73	61.5
45°	1	68	64	65	65	67	67	64	60	72	60.5
	38	64	64	64	64	66	68	65	62	73	61.5
	67	69	69	65	64	65	67	64	61	72	60.5

RA-450-225-6 (3500 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Density 1.2 kg/m³



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

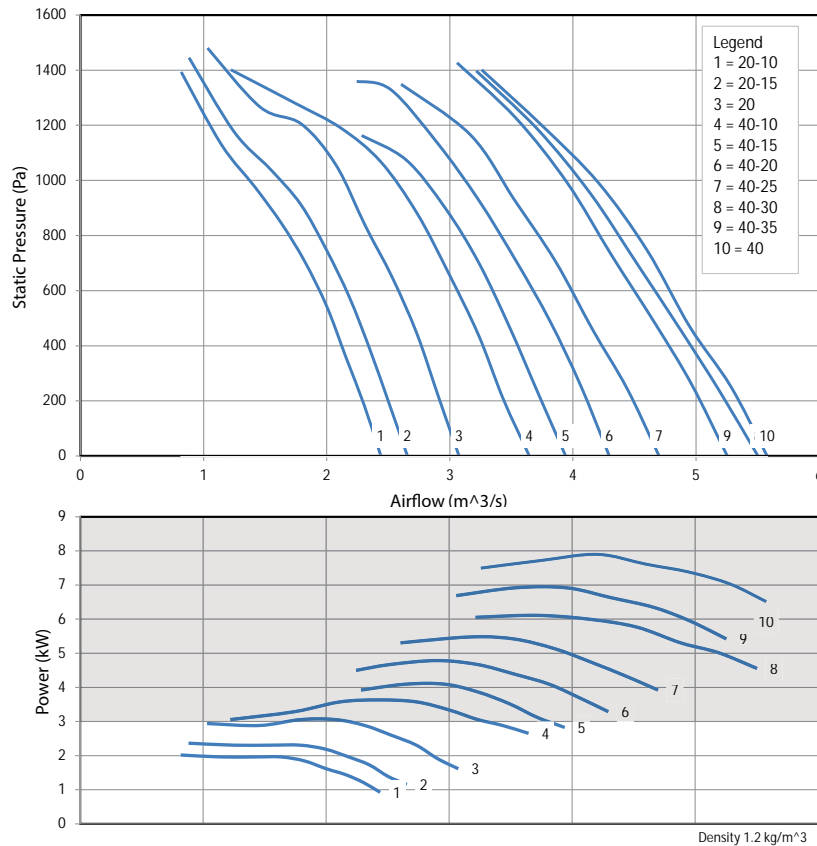


Blade Pitch	FEG
10	80
30-10	90
30-15	90
30-20	90
30-25	85
30	85
45-35	85
45-40	80
45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	10	86	86	85	86	88	88	89	89	95	83.5
	468	83	83	87	87	91	91	89	88	97	85.5
	857	90	90	92	94	97	92	89	87	100	88.5
20-15°	10	84	84	86	84	87	87	88	88	94	82.5
	760	87	87	90	86	92	88	88	88	96	84.5
	1695	95	95	97	97	94	91	96	97	102	90.5
30-20°	10	87	87	90	88	89	89	89	88	96	84.5
	575	88	88	92	88	87	86	90	89	96	84.5
	1334	94	94	96	97	97	94	94	93	102	90.5
30°	19	88	88	92	86	91	89	92	90	98	86.5
	390	89	89	93	89	89	87	91	91	97	85.5
	877	89	89	92	87	89	87	93	93	98	86.5
45-35°	19	91	91	94	90	92	93	92	92	99	87.5
	370	88	88	94	90	91	92	94	94	100	88.5
	886	88	88	92	89	91	91	96	96	101	89.5

RA-450-225-6 (3500 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).



Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

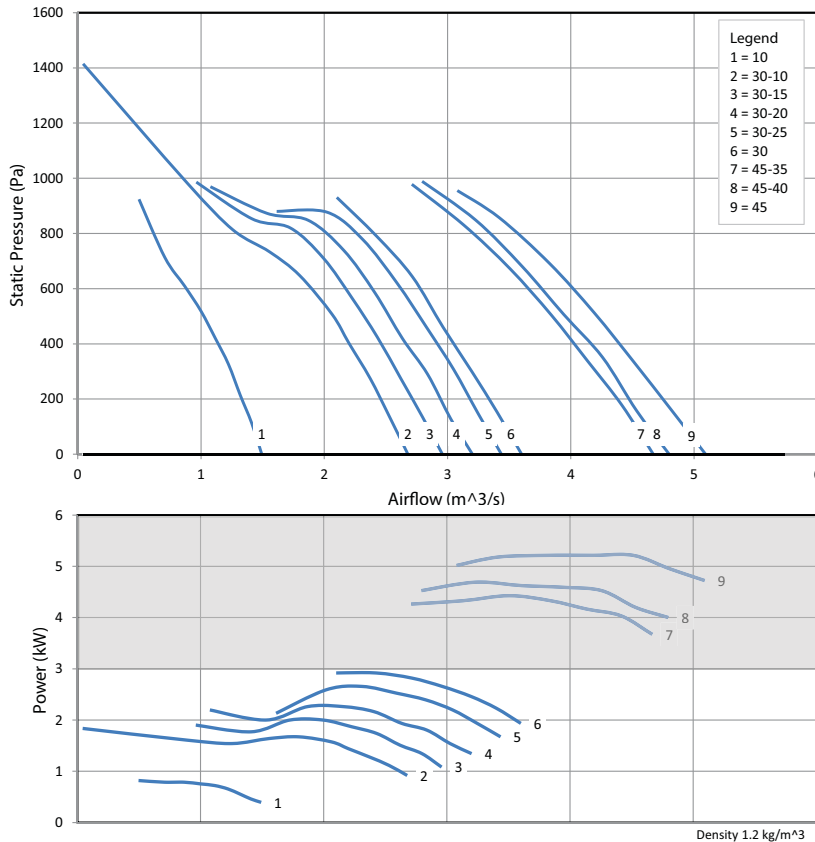


Blade Pitch	FEG
20-10	90
20-15	90
20	85
40-10	90
40-15	90
40-20	90
40-25	90
40-30	85
40-35	85
40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
30-10°	10	84	84	88	87	88	88	88	87	95	83.5
	565	85	85	89	87	88	87	88	86	94	82.5
	1295	99	99	101	98	95	90	92	92	101	89.5
40-15°	19	90	90	94	91	94	94	95	92	101	89.5
	789	87	87	93	90	91	90	92	90	98	86.5
	1305	103	103	102	98	94	91	96	95	102	90.5
40-25°	10	89	89	95	94	91	92	93	91	99	87.5
	594	89	89	94	90	90	90	92	91	98	86.5
	1364	94	94	95	97	95	94	95	95	102	90.5
40°	19	90	90	98	94	92	93	94	93	100	88.5
	575	88	88	94	90	91	92	96	96	101	89.5
	1276	89	89	94	91	91	92	96	97	101	89.5
45°	19	92	92	95	91	93	94	95	95	101	89.5
	575	91	91	98	94	92	94	96	97	102	90.5
	1354	91	91	99	94	92	92	94	97	101	89.5

RA-450-225-6 (2900 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	7	81	81	81	82	83	83	85	83	90	78.5
	321	78	79	83	83	87	86	84	82	92	80.5
	589	86	86	88	90	91	87	84	82	95	83.5
20-15°	7	79	80	82	80	83	83	84	82	90	78.5
	522	82	83	85	83	87	83	84	83	91	79.5
	1164	90	91	93	92	88	88	91	91	97	85.5
30-20°	7	82	83	85	84	84	84	85	82	91	79.5
	542	83	84	87	82	82	83	85	84	91	79.5
	916	89	90	91	92	91	89	89	87	97	85.5
30°	13	84	85	87	83	86	85	87	85	93	81.5
	341	84	86	89	86	84	84	86	85	92	80.5
	602	85	85	88	83	84	84	88	88	93	81.5
45-35°	13	87	87	89	86	88	88	88	86	95	83.5
	254	83	85	90	86	86	88	90	88	95	83.5
	609	83	85	88	85	86	88	92	90	96	84.5



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

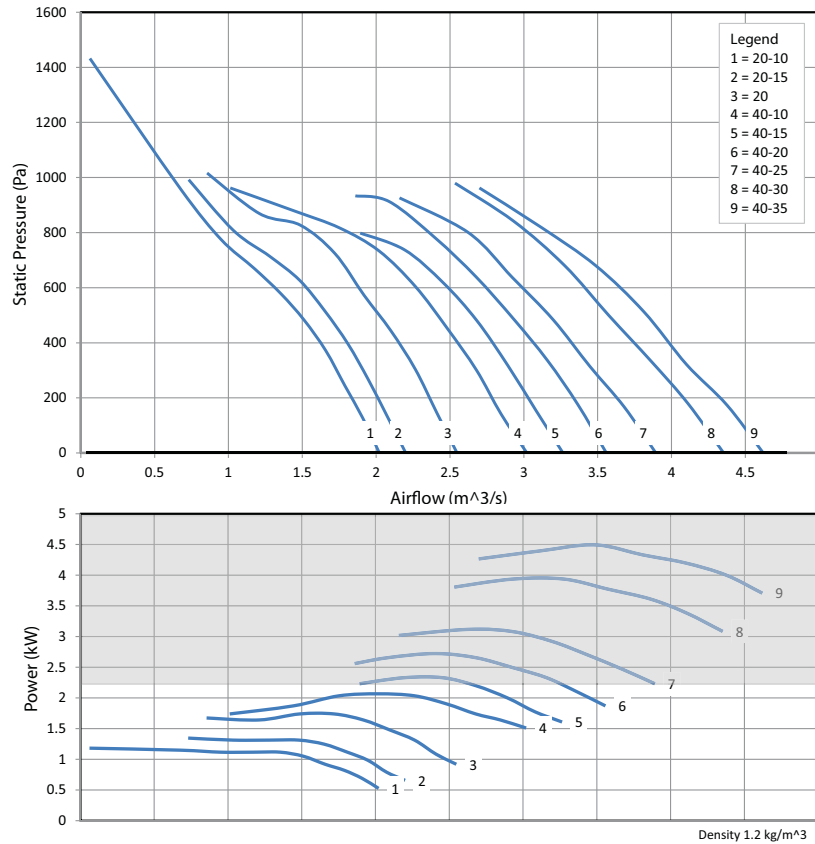
Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.



Blade Pitch	FEG
10	80
30-10	85
30-15	90
30-20	90
30-25	85
30	85
45-35	85
45-40	85
45	85

RA-450-225-6 (2900 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

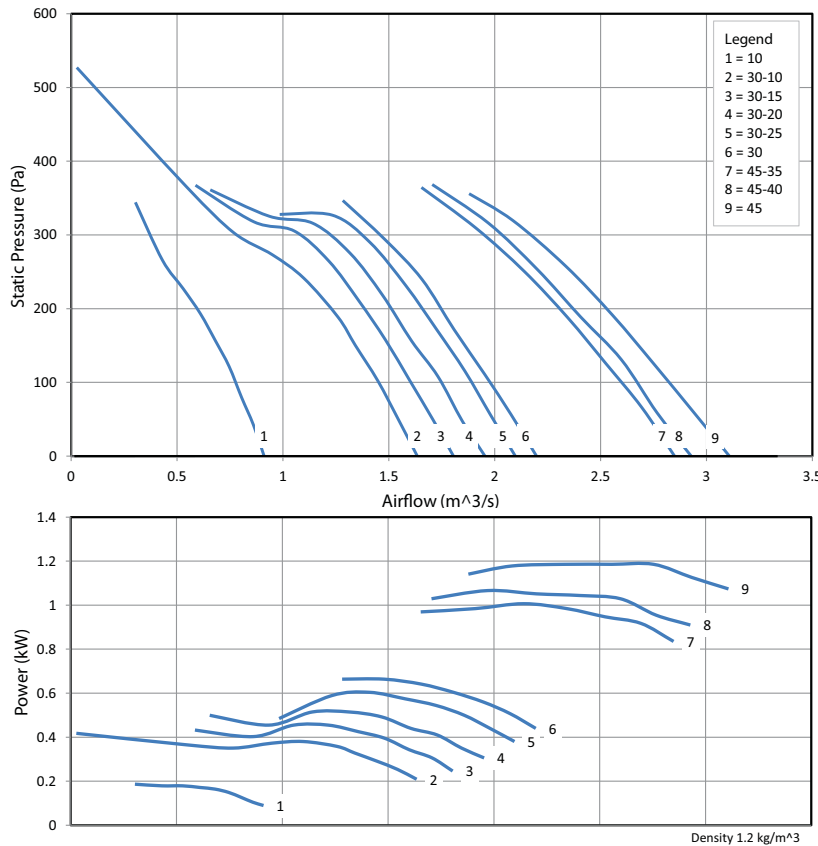


Blade Pitch	FEG
20-10	85
20-15	85
20	85
40-10	90
40-15	90
40-20	90
40-25	90
40-30	85
40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
30-10°	7	79	80	84	82	83	83	83	81	90	78.5
	388	80	81	85	83	84	83	83	80	90	78.5
	890	95	95	97	92	89	86	88	86	96	84.5
40-15°	13	85	87	90	87	90	90	89	86	96	84.5
	542	83	84	88	85	86	86	87	85	93	81.5
	896	99	98	98	93	88	88	91	89	97	85.5
40-25°	7	84	86	90	89	87	88	88	85	94	82.5
	542	84	85	89	84	85	85	87	86	93	81.5
	936	89	90	91	92	90	90	91	89	97	85.5
40°	13	86	88	94	89	87	89	89	88	96	84.5
	542	84	86	90	86	87	89	92	90	96	84.5
	876	84	86	90	86	87	88	92	92	97	85.5
45°	13	87	88	90	87	88	89	90	90	96	84.5
	535	85	87	92	87	87	89	92	92	97	85.5
	930	87	89	94	89	88	88	90	92	97	85.5

RA-450-225-6 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

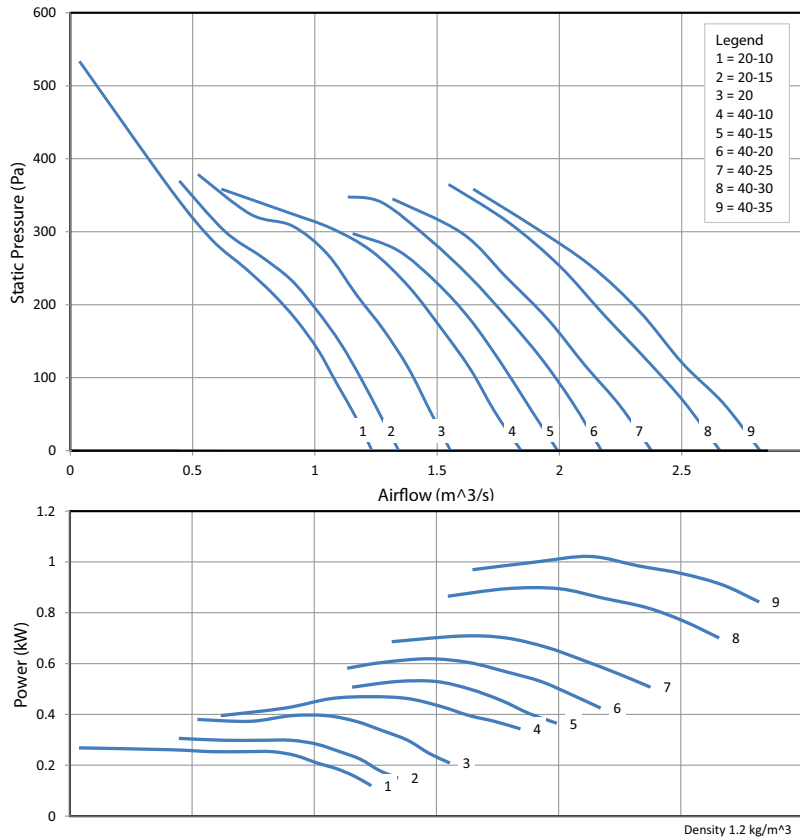


Blade Pitch	FEG
10	80
30-10	85
30-15	90
30-20	90
30-25	85
30	85
45-35	85
45-40	85
45	85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	2	70	70	71	72	72	74	74	68	80	68.5
	102	68	72	67	74	74	73	73	68	80	68.5
	219	75	76	78	82	77	73	72	68	83	71.5
20-15°	2	69	71	69	72	72	73	73	67	79	67.5
	194	72	75	70	77	72	73	73	70	80	68.5
	434	80	82	82	78	76	80	82	77	87	75.5
30-20°	2	72	74	73	74	73	74	73	69	80	68.5
	147	73	77	73	71	71	75	74	71	80	68.5
	341	79	80	81	81	79	79	78	73	86	74.5
30°	5	73	76	71	76	74	77	75	71	82	70.5
	100	74	77	74	74	72	76	75	71	81	69.5
	224	74	77	71	74	72	77	78	74	83	71.5
45-35°	5	76	79	75	77	78	77	77	73	84	72.5
	132	73	80	75	76	76	79	79	74	85	73.5
	227	73	77	74	75	76	81	81	76	86	74.5

RA-450-225-6 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

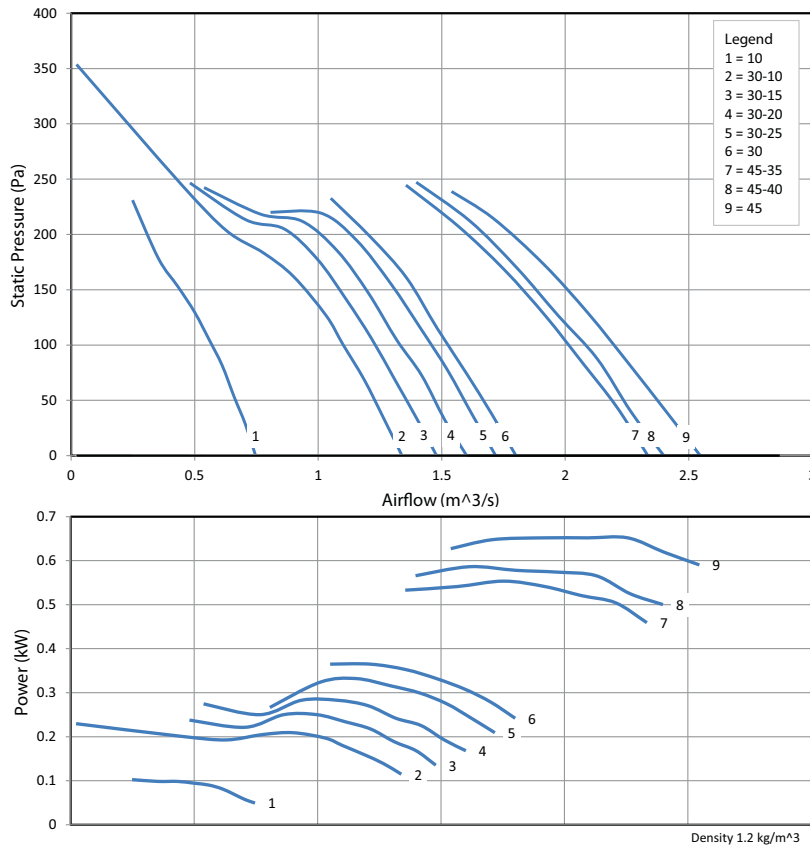


Blade Pitch	FEG
20-10	85
20-15	85
20	85
40-10	90
40-15	90
40-20	90
40-25	90
40-30	85
40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
30-10°	2	68	73	71	73	72	73	72	67	79	67.5
	145	69	74	71	73	72	73	71	68	79	67.5
	331	84	86	83	79	75	77	76	72	84	72.5
40-15°	5	75	79	76	79	79	80	76	71	85	73.5
	152	73	79	74	74	76	78	75	73	83	71.5
	334	88	87	83	78	76	80	79	74	86	74.5
40-25°	2	74	80	79	76	77	78	75	73	83	71.5
	202	73	78	73	74	74	76	77	73	82	70.5
	349	79	80	81	79	79	80	79	74	86	74.5
40°	5	75	83	79	76	78	79	78	74	85	73.5
	147	72	79	75	76	77	81	81	76	86	74.5
	326	74	79	75	76	76	81	82	78	87	75.5
45°	5	77	79	76	77	78	79	80	77	86	74.5
	199	75	82	77	76	78	81	82	79	87	75.5
	346	76	83	79	77	77	79	82	79	86	74.5

RA-450-225-6 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

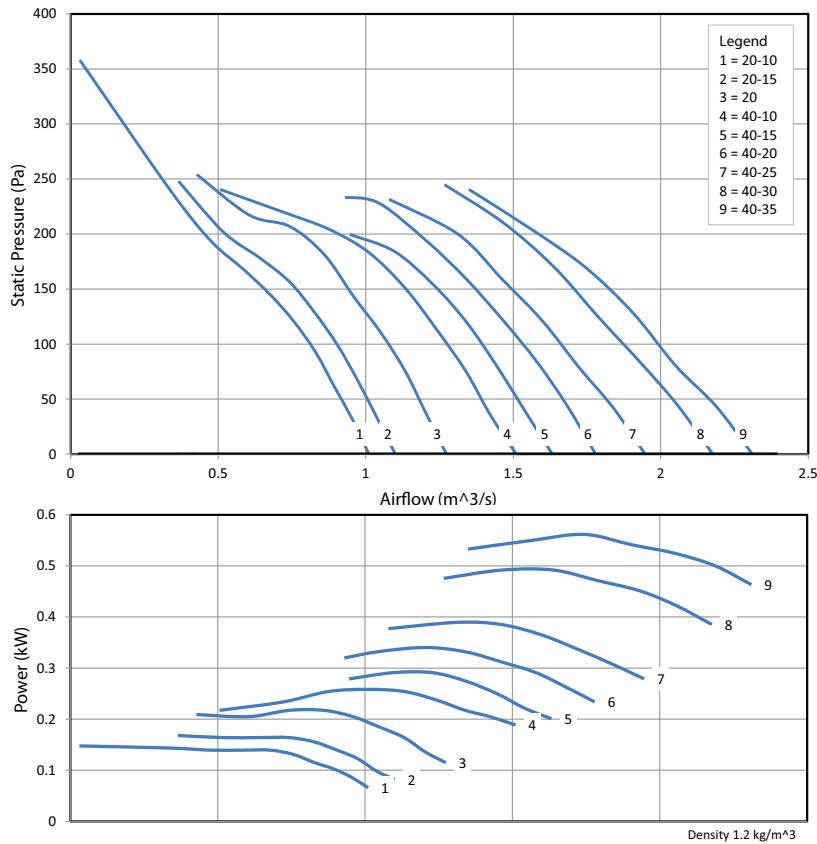


Blade Pitch	FEG
10	80
30-10	85
30-15	90
30-20	90
30-25	85
30	85
45-35	85
45-40	85
45	85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	2	66	66	67	68	68	70	68	62	75	63.5
	80	64	68	68	72	71	69	67	63	76	64.5
	147	71	73	75	76	72	69	67	62	78	66.5
20-15°	2	65	67	65	68	68	69	67	62	74	62.5
	169	71	72	74	78	74	70	69	66	79	67.5
	291	76	78	77	73	73	76	76	71	82	70.5
30-20°	2	68	70	69	69	69	69	67	63	75	63.5
	136	69	72	67	67	68	70	69	65	76	64.5
	229	75	76	77	76	74	74	72	68	81	69.5
30°	3	70	72	68	71	70	72	69	66	77	65.5
	85	71	74	71	69	68	71	70	66	77	65.5
	151	70	73	68	69	69	73	73	68	78	66.5
45-35°	3	72	74	71	73	73	73	71	68	79	67.5
	89	70	75	71	72	73	75	73	69	80	68.5
	152	70	73	70	71	73	77	75	70	81	69.5

RA-450-225-6 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

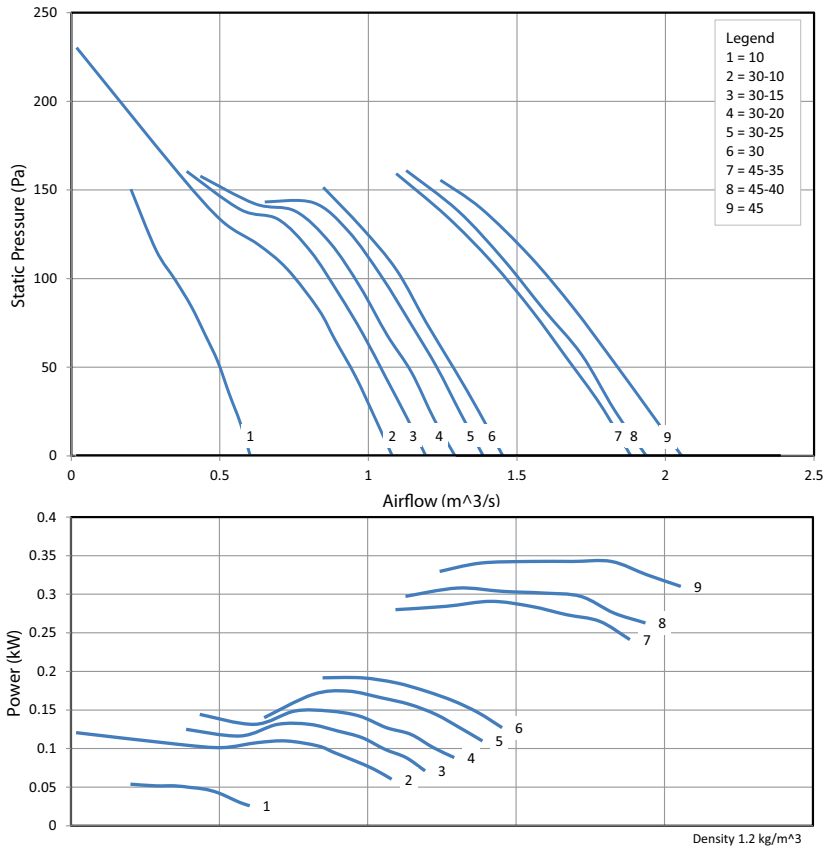


Blade Pitch	FEG
20-10	85
20-15	85
20	85
40-10	90
40-15	90
40-20	90
40-25	90
40-30	85
40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
30-10°	2	65	69	67	68	68	68	66	61	74	62.5
	97	66	70	68	69	68	68	65	62	74	62.5
	223	80	82	77	74	71	73	71	66	79	67.5
40-15°	3	72	75	72	75	75	74	71	65	80	68.5
	136	69	73	70	71	71	72	70	68	78	66.5
	224	83	83	78	73	73	76	74	68	81	69.5
40-25°	2	71	75	74	72	73	73	70	67	79	67.5
	136	70	74	69	70	70	72	71	68	78	66.5
	234	75	76	76	75	75	76	74	68	81	69.5
40°	3	73	79	74	72	74	74	73	68	80	68.5
	136	71	75	70	72	74	77	75	70	81	69.5
	219	71	75	71	72	73	77	77	72	82	70.5
45°	3	73	75	72	73	74	75	75	71	81	69.5
	134	72	77	72	72	74	77	77	73	82	70.5
	232	74	79	74	73	73	75	77	74	82	70.5

RA-450-225-6 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

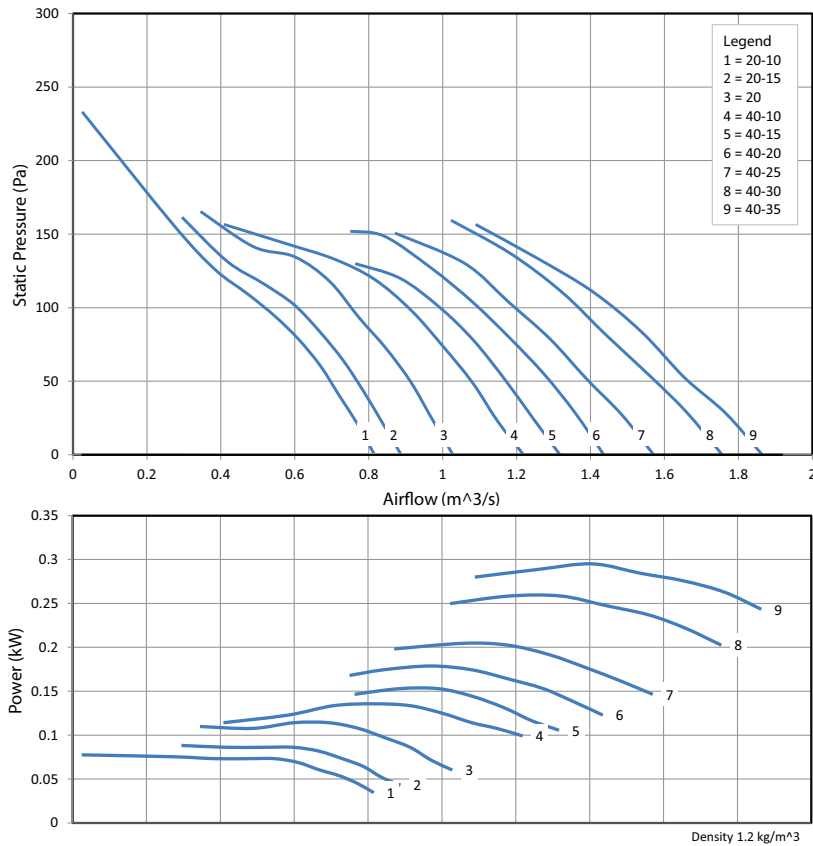


Blade Pitch	FEG
10	80
30-10	85
30-15	90
30-20	90
30-25	85
30	85
45-35	85
45-40	85
45	85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	1	61	61	63	63	64	65	61	55	70	58.5
	52	61	63	65	67	66	64	61	57	71	59.5
	96	67	69	71	70	66	64	61	56	72	60.5
20-15°	1	61	62	62	63	64	64	61	55	69	57.5
	110	67	67	72	72	68	66	63	60	74	62.5
	189	72	73	71	68	69	72	70	65	77	65.5
30-20°	1	64	65	64	64	65	64	61	58	70	58.5
	88	66	67	63	62	64	65	63	59	71	59.5
	149	71	72	72	71	70	69	66	61	75	63.5
30°	2	66	67	65	65	67	67	64	60	72	60.5
	44	67	68	65	64	65	67	64	60	72	60.5
	98	67	68	64	64	66	69	67	62	74	62.5
45-35°	2	69	70	67	68	68	68	66	62	74	62.5
	58	68	71	66	67	69	70	67	63	75	63.5
	99	66	68	66	67	70	72	69	64	77	65.5

RA-450-225-6 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

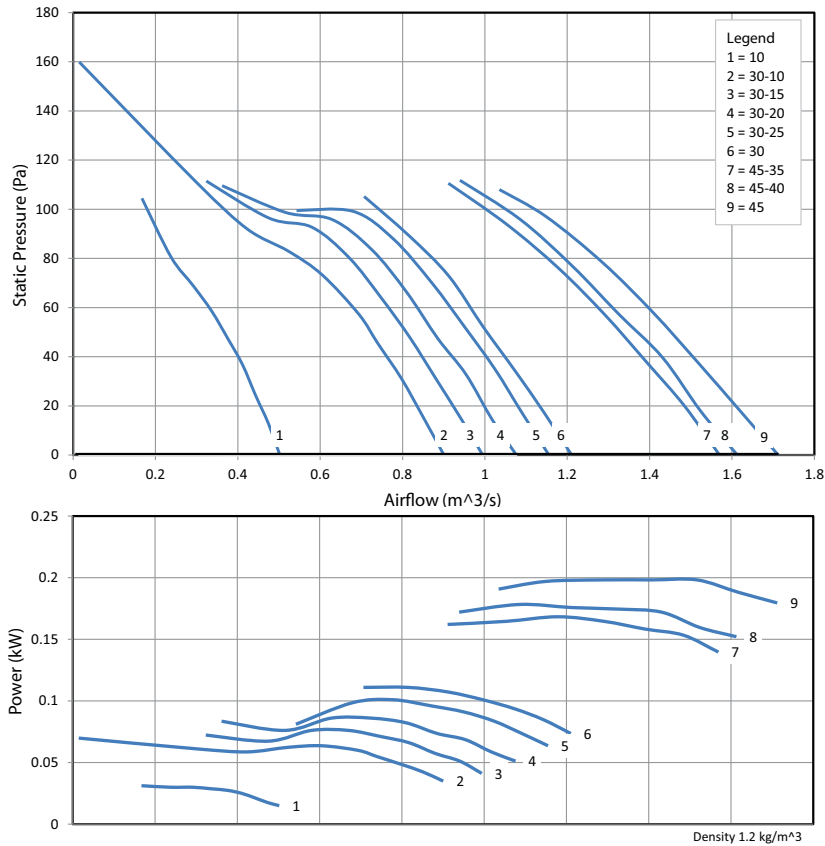


Blade Pitch	FEG
20-10	85
20-15	85
20	85
40-10	90
40-15	90
40-20	90
40-25	90
40-30	85
40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
30-10°	1	62	64	63	63	64	63	60	54	69	57.5
	89	65	67	69	67	64	63	60	58	70	58.5
	145	76	77	72	68	67	68	65	60	74	62.5
40-15°	2	68	70	69	70	70	69	64	59	75	63.5
	67	68	70	65	66	68	67	65	63	73	61.5
	146	78	78	71	68	69	71	67	62	76	64.5
40-25°	1	68	71	68	67	68	67	65	62	74	62.5
	88	67	69	65	65	66	68	65	62	73	61.5
	152	70	72	71	70	71	71	67	62	76	64.5
40°	2	71	74	68	68	69	69	67	62	75	63.5
	64	67	70	67	68	70	72	69	64	77	65.5
	143	68	70	67	67	70	72	71	66	77	65.5
45°	2	69	70	68	69	70	71	69	66	76	64.5
	87	70	73	67	68	71	72	71	68	78	66.5
	151	72	74	69	68	69	71	71	69	77	65.5

RA-450-225-6 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

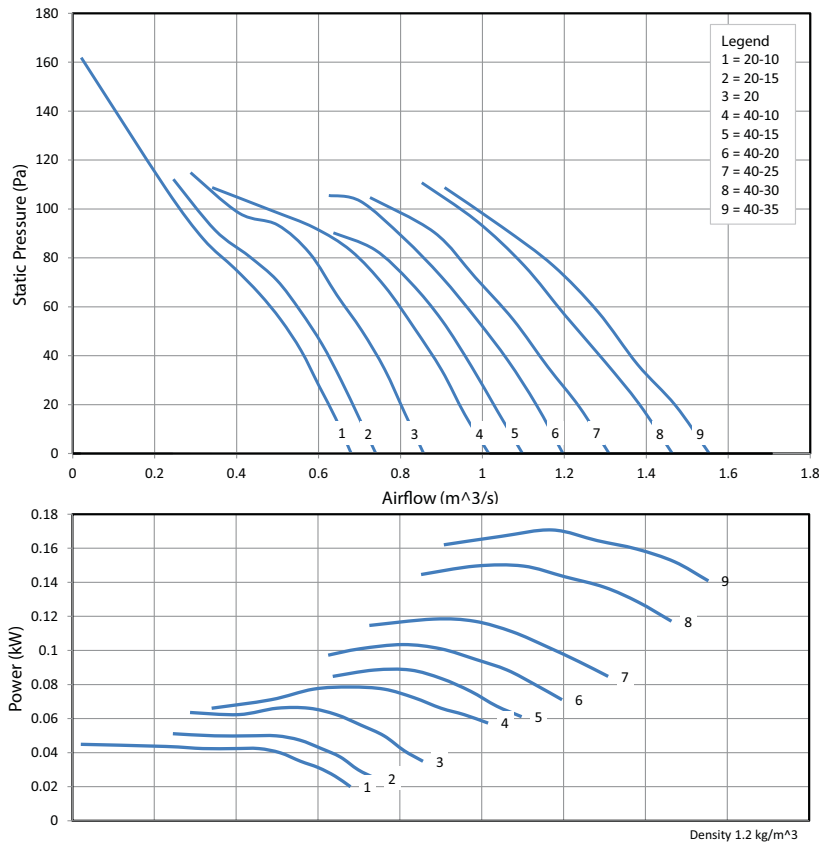


Blade Pitch	FEG
10	80
30-10	85
30-15	90
30-20	90
30-25	85
30	85
45-35	85
45-40	85
45	85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	1	57	58	59	59	61	61	56	50	66	54.5
	36	59	59	62	63	61	60	56	52	66	54.5
	67	63	65	68	65	61	59	56	51	67	55.5
20-15°	1	58	58	59	59	60	60	55	50	65	53.5
	59	61	62	63	60	60	60	57	54	66	54.5
	132	69	69	66	63	67	69	65	59	73	61.5
30-20°	1	61	61	61	60	61	60	56	53	66	54.5
	61	63	63	59	58	61	62	58	55	67	55.5
	104	67	68	68	66	66	65	61	56	71	59.5
30°	1	63	63	62	61	64	62	59	55	68	56.5
	39	65	66	61	59	62	63	59	55	68	56.5
	68	64	64	60	59	64	65	62	57	70	58.5
45-35°	1	65	66	64	65	64	64	61	57	70	58.5
	40	66	67	63	63	66	66	62	58	71	59.5
	69	64	64	62	63	68	68	64	58	73	61.5

RA-450-225-6 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

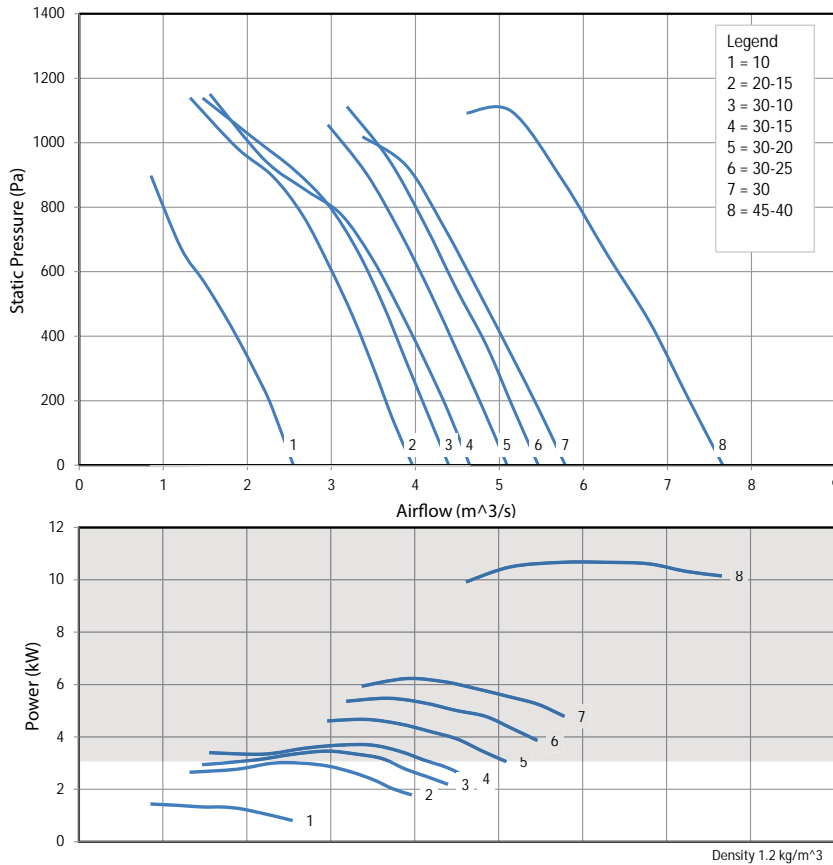


Blade Pitch	FEG
20-10	85
20-15	85
20	85
40-10	90
40-15	90
40-20	90
40-25	90
40-30	85
40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
30-10°	1	59	60	59	59	60	59	54	49	65	53.5
	62	62	63	67	62	60	58	56	53	66	54.5
	101	73	73	67	62	64	63	60	55	69	57.5
40-15°	1	66	66	66	66	67	64	59	54	71	59.5
	61	64	65	62	62	64	62	61	59	69	57.5
	101	74	74	66	63	67	67	62	57	72	60.5
40-25°	1	66	67	63	64	65	63	60	57	69	57.5
	61	65	65	61	61	63	64	61	57	69	57.5
	106	67	68	67	66	67	67	62	57	72	60.5
40°	1	69	70	64	64	66	65	62	57	71	59.5
	61	66	67	63	64	67	68	64	58	73	61.5
	99	65	66	63	63	67	69	65	61	73	61.5
45°	1	66	66	64	65	66	67	64	61	72	60.5
	61	68	69	63	65	67	69	66	63	74	62.5
	105	70	71	64	64	66	68	67	64	73	61.5

RA-500-225-4 (3500 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	0	78	78	81	84	89	90	92	89	97	85.5
	506	91	91	87	94	102	98	93	89	104	92.5
	1013	93	93	99	93	93	93	95	95	101	89.5
20-15°	10	78	78	84	85	90	91	93	90	98	86.5
	594	79	79	81	85	87	88	93	91	97	85.5
	1071	105	105	105	101	96	93	98	98	105	93.5
30-15°	10	79	79	84	87	92	93	94	91	100	88.5
	584	84	84	85	88	92	93	94	92	100	88.5
	1032	114	114	108	99	95	94	97	97	106	94.5
30-25°	10	83	83	87	87	90	92	94	92	99	87.5
	604	83	83	85	89	91	90	95	96	100	88.5
	1062	88	88	91	93	94	93	98	99	103	91.5
40-25°	10	86	86	90	90	92	93	94	93	100	88.5
	477	85	85	87	90	91	91	93	95	99	87.5
	1159	94	94	93	95	95	95	98	99	103	91.5



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

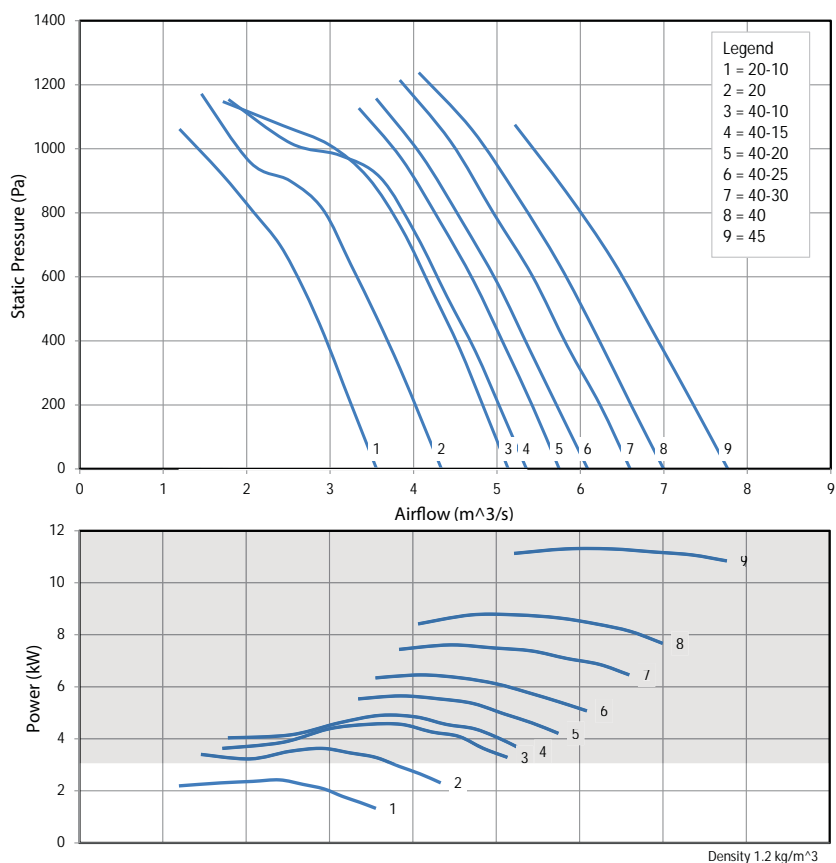
Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.



Blade Pitch	FEG
10	71
20-15	85
30-10	90
30-15	85
30-20	85
30-25	85
30	80
45-40	80

RA-500-225-4 (3500 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
30-10°	10	79	79	88	88	92	92	93	91	99	87.5
	594	80	80	84	85	89	90	92	91	97	85.5
	1130	102	102	101	97	93	91	96	98	103	91.5
40-15°	10	84	84	85	88	92	95	95	93	101	89.5
	594	83	83	86	88	90	93	93	92	99	87.5
	1110	116	116	108	100	96	95	98	98	107	95.5
40-30°	29	86	86	91	90	92	93	94	95	100	88.5
	584	84	84	88	92	93	94	96	98	102	90.5
	1169	90	89	88	93	94	94	96	99	102	90.5
40°	19	88	88	90	90	93	95	97	98	102	90.5
	594	86	86	89	91	94	95	98	99	103	91.5
	1169	91	91	89	93	94	94	95	99	102	90.5
45°	29	88	88	91	92	98	100	100	101	106	94.5
	409	88	88	90	92	97	99	99	100	106	94.5
	974	92	92	91	95	96	98	98	100	105	93.5



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

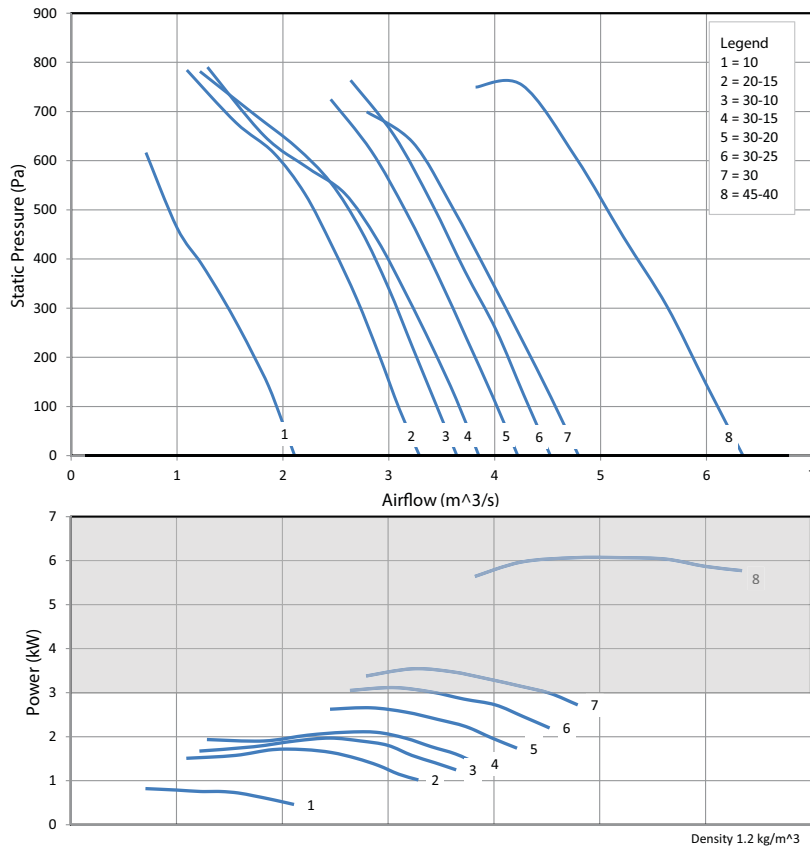
Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.



Blade Pitch	FEG
20-10	85
20	80
40-10	90
40-15	0
40-20	90
40-25	85
40-30	85
40	80
45	80

RA-500-225-4 (2900 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	0	74	74	77	81	85	86	87	83	92	80.5
	348	86	85	84	91	96	92	87	82	99	87.5
	696	89	90	94	89	89	89	90	89	97	85.5
20-15°	7	74	75	80	82	86	87	88	84	93	81.5
	408	75	75	78	81	83	85	88	86	92	80.5
	736	101	101	100	95	90	90	93	92	100	88.5
30-15°	7	75	76	80	84	88	89	89	85	95	83.5
	401	79	79	81	85	88	89	89	86	95	83.5
	709	110	108	103	93	91	90	92	91	100	88.5
30-25°	7	79	80	82	83	86	88	89	87	95	83.5
	415	79	79	81	85	86	87	91	90	95	83.5
	729	83	84	87	89	90	90	94	93	99	87.5
40-25°	7	82	83	85	86	87	89	89	87	95	83.5
	415	81	81	83	87	87	88	90	91	96	84.5
	796	90	89	89	90	91	91	93	93	99	87.5



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

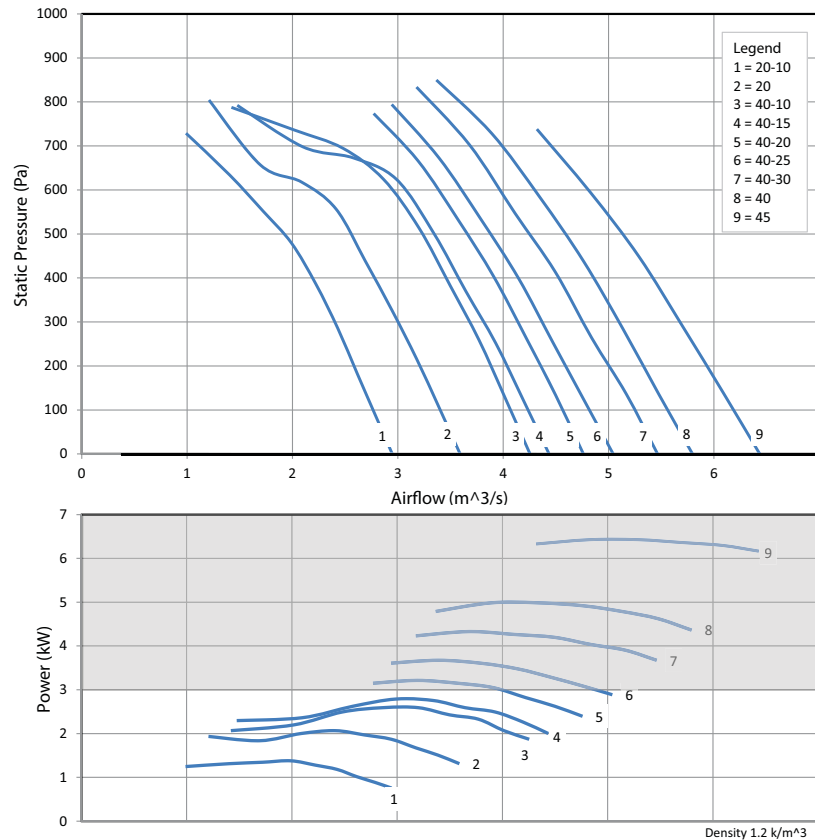
Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.



Blade Pitch	FEG
10	71
20-15	85
30-10	90
30-15	85
30-20	85
30-25	85
30	80
45-40	80

RA-500-225-4 (2900 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

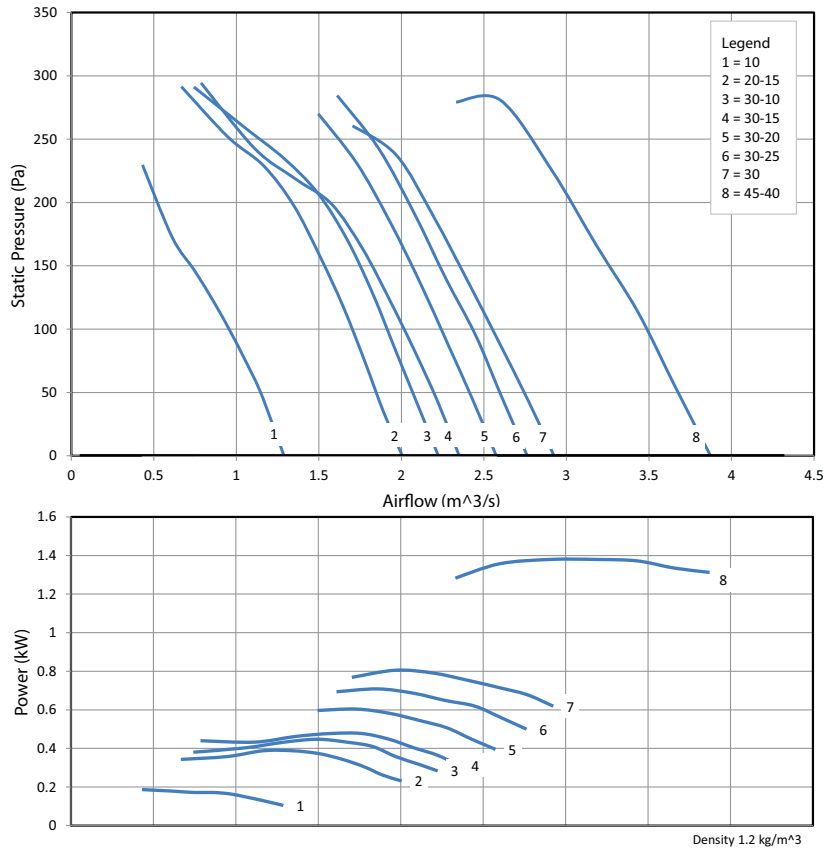


Blade Pitch	FEG
20-10	85
20	80
40-10	90
40-15	0
40-20	90
40-25	85
40-30	85
40	80
45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
30-10°	7	74	77	83	84	87	88	88	86	94	82.5
	408	76	77	80	82	85	86	87	86	93	81.5
	776	98	97	96	91	88	88	92	92	98	86.5
40-15°	7	79	80	82	85	88	90	90	87	96	84.5
	408	79	79	82	84	86	88	88	86	94	82.5
	762	111	109	104	95	91	91	93	92	101	89.5
40-30°	20	81	83	86	86	88	89	90	89	96	84.5
	401	80	81	84	88	89	90	92	92	98	86.5
	803	85	85	85	89	89	90	92	93	98	86.5
40°	13	84	84	86	86	89	91	92	92	98	86.5
	408	82	83	85	87	90	92	94	93	99	87.5
	803	86	86	86	89	89	90	92	93	98	86.5
45°	20	84	85	87	89	94	95	96	95	101	89.5
	408	82	83	86	90	93	94	94	94	101	89.5
	669	88	87	88	91	92	94	94	94	100	88.5

RA-500-225-4 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

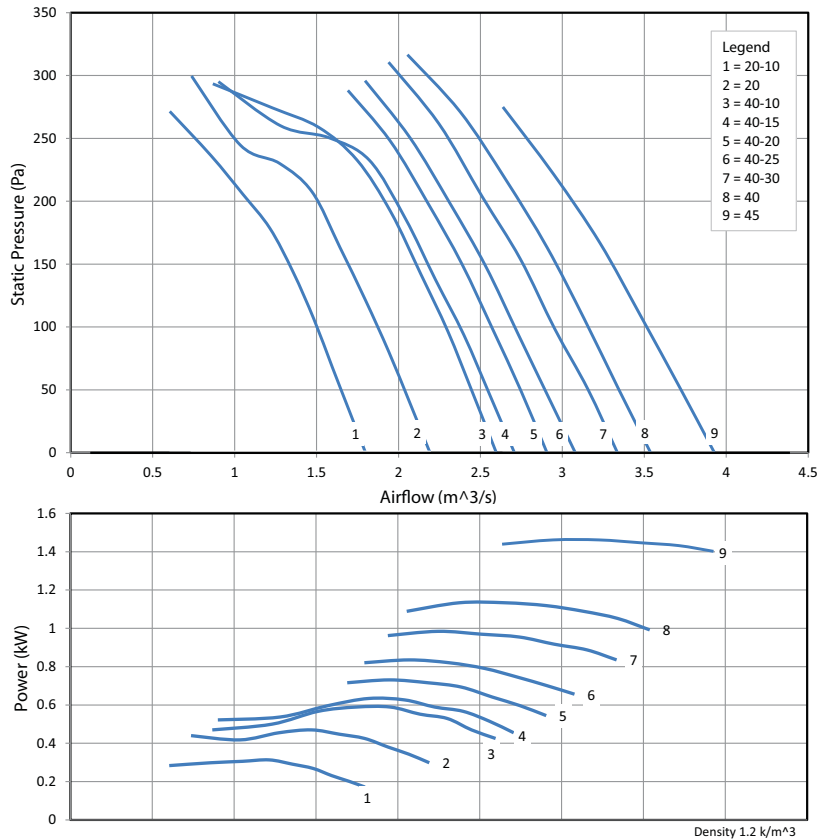


Blade Pitch	FEG
10	71
20-15	85
30-10	90
30-15	85
30-20	85
30-25	85
30	80
45-40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	0	63	65	68	74	74	76	74	68	81	69.5
	130	75	71	78	87	83	78	74	67	87	75.5
	259	78	83	78	78	78	80	80	73	86	74.5
20-15°	2	63	69	70	75	75	78	75	71	82	70.5
	152	64	66	69	72	73	77	76	72	82	70.5
	274	90	90	86	80	77	83	83	78	88	76.5
30-15°	2	64	69	72	77	78	79	76	70	84	72.5
	150	68	70	73	77	78	79	77	72	84	72.5
	264	99	92	84	80	79	82	81	76	88	76.5
30-25°	2	68	72	72	75	77	79	77	73	84	72.5
	154	68	69	73	76	75	79	81	76	85	73.5
	272	73	75	77	79	78	83	83	79	88	76.5
40-25°	2	71	74	75	76	78	79	77	74	84	72.5
	154	70	71	76	76	76	79	82	76	86	74.5
	297	79	78	79	80	80	82	84	79	89	77.5

RA-500-225-4 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

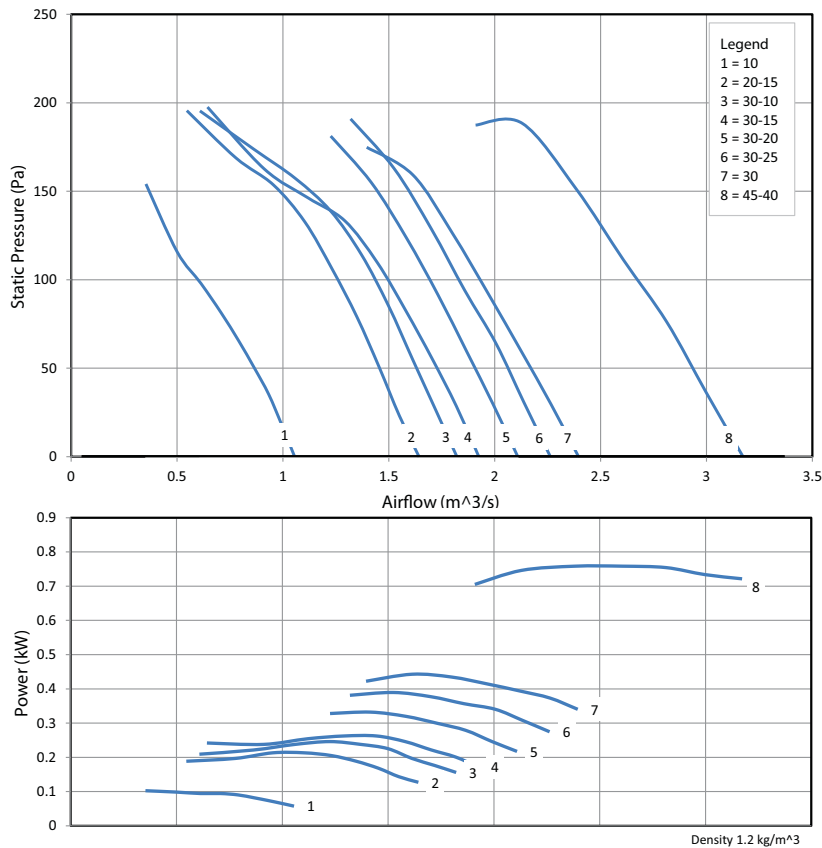


Blade Pitch	FEG
20-10	85
20	80
40-10	90
40-15	0
40-20	90
40-25	85
40-30	85
40	80
45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
30-10°	2	64	72	73	76	77	78	76	72	83	71.5
	152	65	69	70	74	75	77	75	74	82	70.5
	289	87	86	82	78	76	81	83	78	87	75.5
40-15°	2	68	70	73	77	80	80	78	72	85	73.5
	152	68	70	72	75	77	78	77	73	84	72.5
	284	100	93	85	81	80	82	83	77	89	77.5
40-30°	7	71	75	75	77	78	78	80	76	85	73.5
	150	69	72	76	78	79	81	83	78	88	76.5
	299	74	73	78	78	79	80	84	80	88	76.5
40°	5	73	75	75	78	80	81	82	78	88	76.5
	152	71	74	76	79	80	83	84	79	89	77.5
	299	76	74	78	79	79	80	84	80	88	76.5
45°	7	73	76	77	82	84	85	85	80	91	79.5
	152	71	75	78	81	84	83	85	81	90	78.5
	249	77	76	80	81	83	83	85	80	90	78.5

RA-500-225-4 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

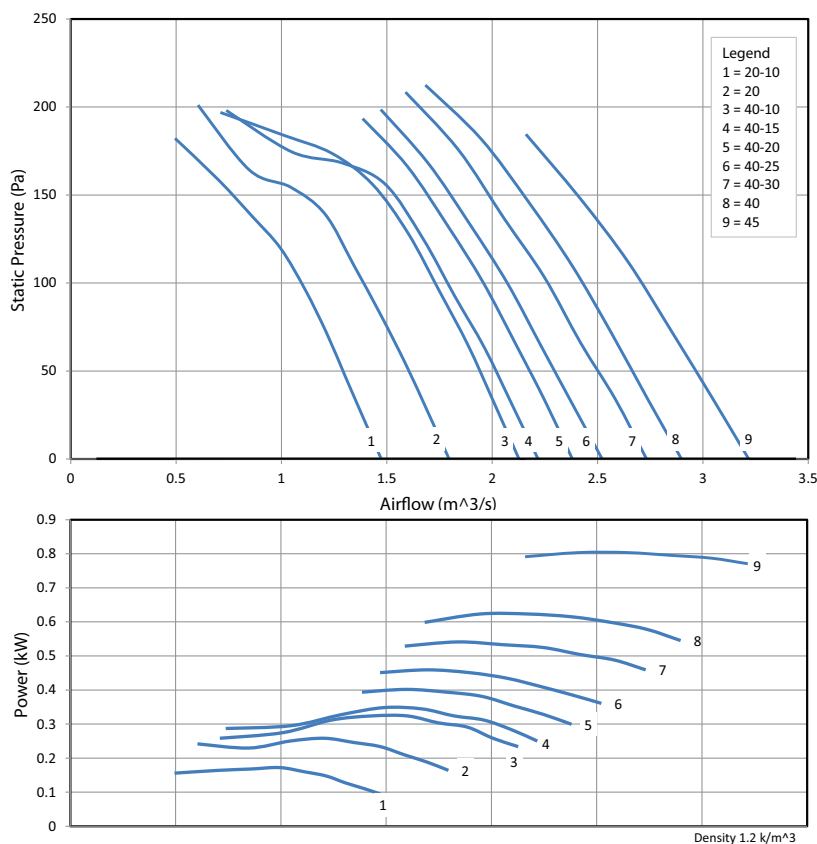


Blade Pitch	FEG
10	71
20-15	85
30-10	90
30-15	85
30-20	85
30-25	85
30	80
45-40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	0	59	62	66	70	71	72	68	61	76	64.5
	87	70	69	76	81	77	72	67	60	82	70.5
	174	75	79	74	74	74	75	74	66	81	69.5
20-15°	2	60	65	67	71	72	73	69	65	78	66.5
	102	60	63	66	68	70	73	71	67	77	65.5
	184	86	85	80	75	75	78	77	72	84	72.5
30-15°	2	61	65	69	73	74	74	70	64	79	67.5
	100	64	66	70	73	74	74	71	67	80	68.5
	177	93	88	78	76	75	77	76	70	83	71.5
30-25°	2	65	67	68	71	73	74	72	68	79	67.5
	104	64	66	70	71	72	75	75	70	81	69.5
	182	69	72	73	74	75	79	78	73	84	72.5
40-25°	2	68	70	71	72	74	74	72	68	80	68.5
	104	66	68	71	72	73	75	76	70	81	69.5
	199	74	74	75	76	76	78	78	73	84	72.5

RA-500-225-4 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

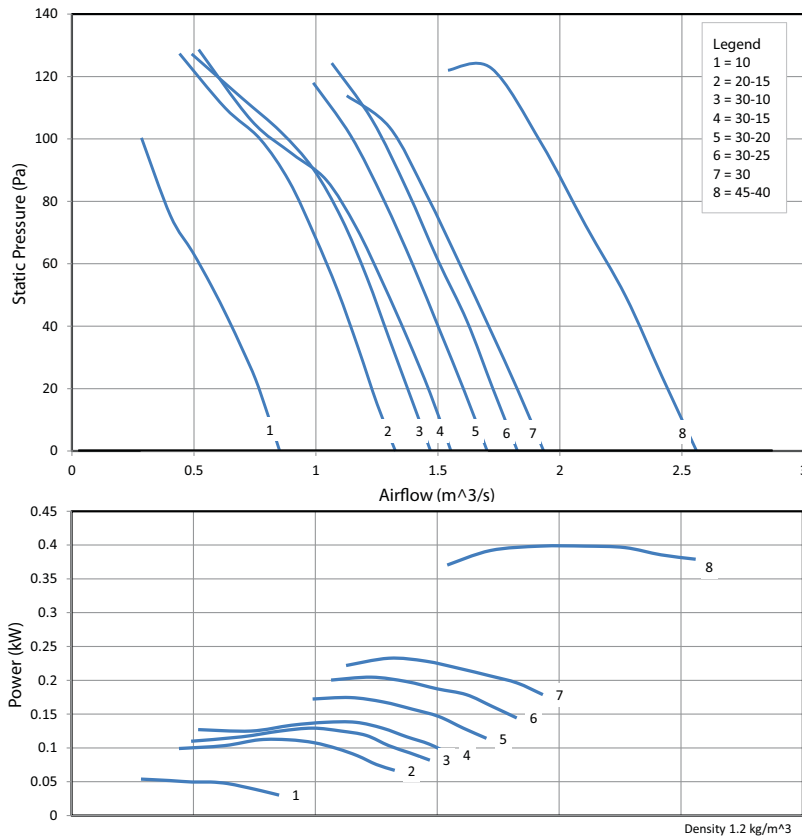


Blade Pitch	FEG
20-10	85
20	80
40-10	90
40-15	0
40-20	90
40-25	85
40-30	85
40	80
45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
30-10°	2	62	68	69	72	73	73	71	66	79	67.5
	102	62	65	67	70	71	72	71	69	78	66.5
	194	82	81	76	73	73	77	77	72	83	71.5
40-15°	2	65	67	70	73	75	75	72	66	80	68.5
	102	64	67	69	71	73	73	71	68	79	67.5
	191	94	89	79	76	76	78	77	71	84	72.5
40-30°	5	68	71	71	73	74	75	74	70	81	69.5
	100	66	69	73	74	75	77	77	72	83	71.5
	201	70	70	74	74	75	77	78	74	83	71.5
40°	3	69	70	71	74	76	77	77	72	83	71.5
	102	68	70	72	75	77	79	78	73	84	72.5
	201	71	71	74	74	75	77	78	74	83	71.5
45°	5	70	72	74	79	80	81	80	74	86	74.5
	102	68	71	75	78	79	79	79	75	86	74.5
	167	72	73	76	77	79	79	79	75	85	73.5

RA-500-225-4 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

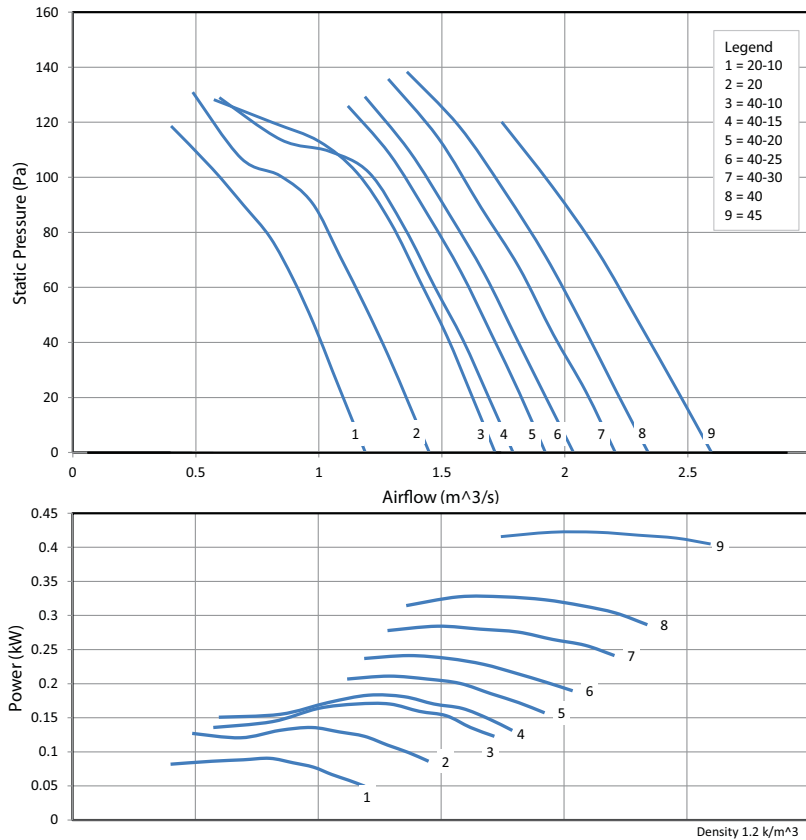


Blade Pitch	FEG
10	71
20-15	85
30-10	90
30-15	85
30-20	85
30-25	85
30	80
45-40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	0	56	58	63	65	67	66	61	55	71	59.5
	57	64	66	74	75	71	66	61	54	76	64.5
	113	74	71	69	69	70	71	67	59	76	64.5
20-15°	1	60	60	64	66	68	67	64	59	73	61.5
	67	57	59	62	64	67	68	65	61	73	61.5
	120	81	79	74	70	71	74	71	66	79	67.5
30-15°	1	60	62	66	68	69	68	64	57	74	62.5
	65	61	63	66	69	70	69	65	61	74	62.5
	115	86	78	73	70	72	73	69	64	78	66.5
30-25°	1	63	63	65	67	69	69	66	62	74	62.5
	68	60	63	66	66	69	71	69	64	76	64.5
	119	66	68	69	69	72	74	72	67	79	67.5
40-25°	1	65	66	67	68	69	69	66	63	75	63.5
	53	63	64	66	67	68	70	68	63	75	63.5
	130	69	70	71	71	72	74	72	67	79	67.5

RA-500-225-4 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

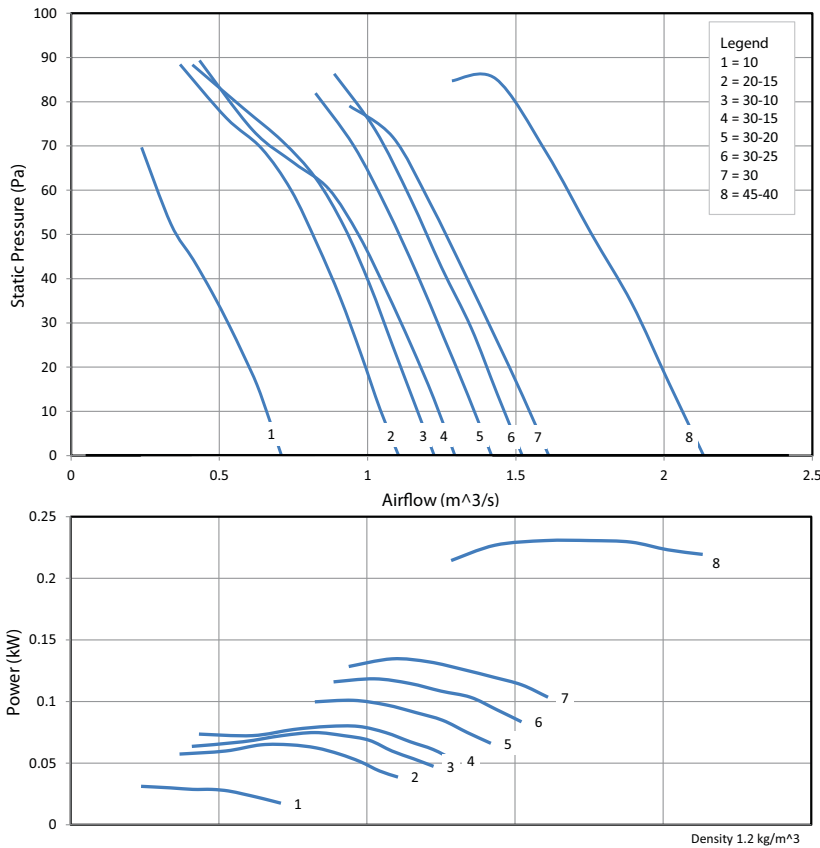


Blade Pitch	FEG
20-10	85
20	80
40-10	90
40-15	0
40-20	90
40-25	85
40-30	85
40	80
45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
30-10°	1	63	64	66	68	69	68	64	60	74	62.5
	67	60	61	63	66	67	67	65	63	73	61.5
	126	77	74	70	67	70	73	71	66	78	66.5
40-15°	1	61	63	66	70	71	70	65	59	75	63.5
	67	61	63	65	67	69	68	66	63	74	62.5
	124	87	79	74	71	72	74	70	64	79	67.5
40-30°	3	66	66	67	68	69	70	68	64	76	64.5
	65	63	66	68	69	71	73	71	66	78	66.5
	131	65	67	69	69	71	73	72	68	79	67.5
40°	2	66	66	68	70	72	73	71	66	78	66.5
	67	65	66	68	71	73	74	72	67	79	67.5
	131	66	67	69	70	71	73	72	68	79	67.5
45°	3	67	68	71	75	76	76	73	68	81	69.5
	67	66	68	71	74	74	75	73	69	81	69.5
	109	67	69	71	73	74	75	73	68	80	68.5

RA-500-225-4 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

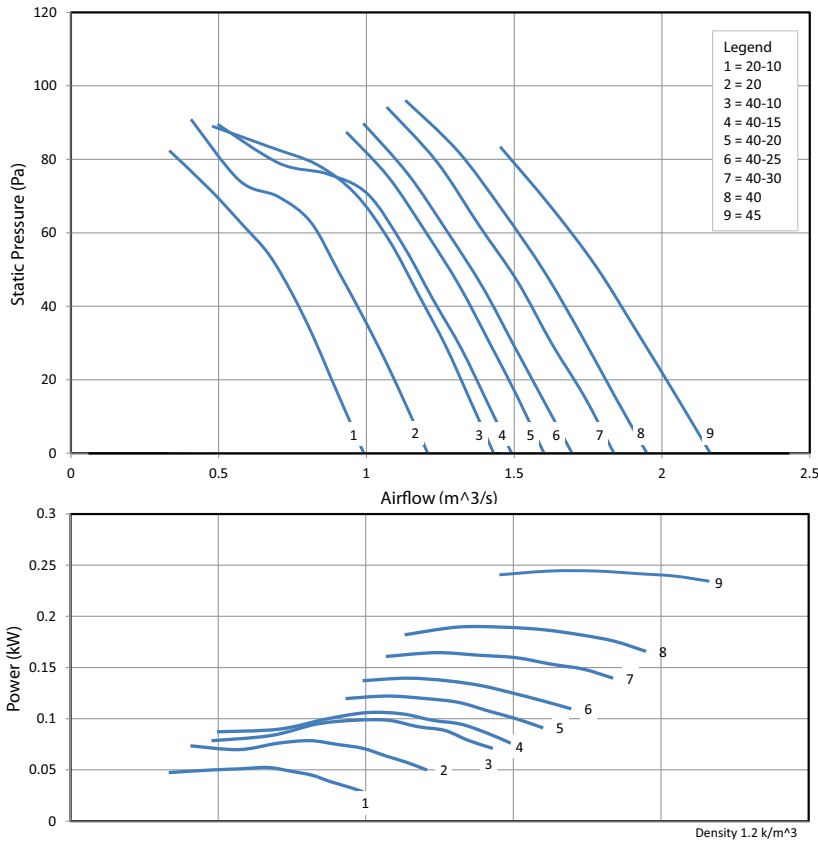


Blade Pitch	FEG
10	71
20-15	85
30-10	90
30-15	85
30-20	85
30-25	85
30	80
45-40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	0	52	55	60	61	63	62	56	49	67	55.5
	39	59	64	72	71	66	61	55	48	71	59.5
	79	70	66	65	65	66	67	61	53	72	60.5
20-15°	1	56	57	61	62	64	62	58	54	69	57.5
	46	53	56	59	60	64	63	60	56	69	57.5
	83	77	74	68	65	69	70	65	60	75	63.5
30-15°	1	56	59	63	65	66	64	58	52	70	58.5
	45	57	60	63	65	66	64	60	56	70	58.5
	80	80	72	68	66	68	69	64	58	74	62.5
30-25°	1	59	59	62	63	66	64	61	57	70	58.5
	47	56	60	62	62	66	68	64	59	72	60.5
	82	63	64	66	65	69	70	67	62	75	63.5
40-25°	1	61	62	63	65	66	65	61	58	71	59.5
	37	59	61	63	63	64	67	63	58	71	59.5
	90	65	66	67	67	69	71	66	61	75	63.5

RA-500-225-4 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

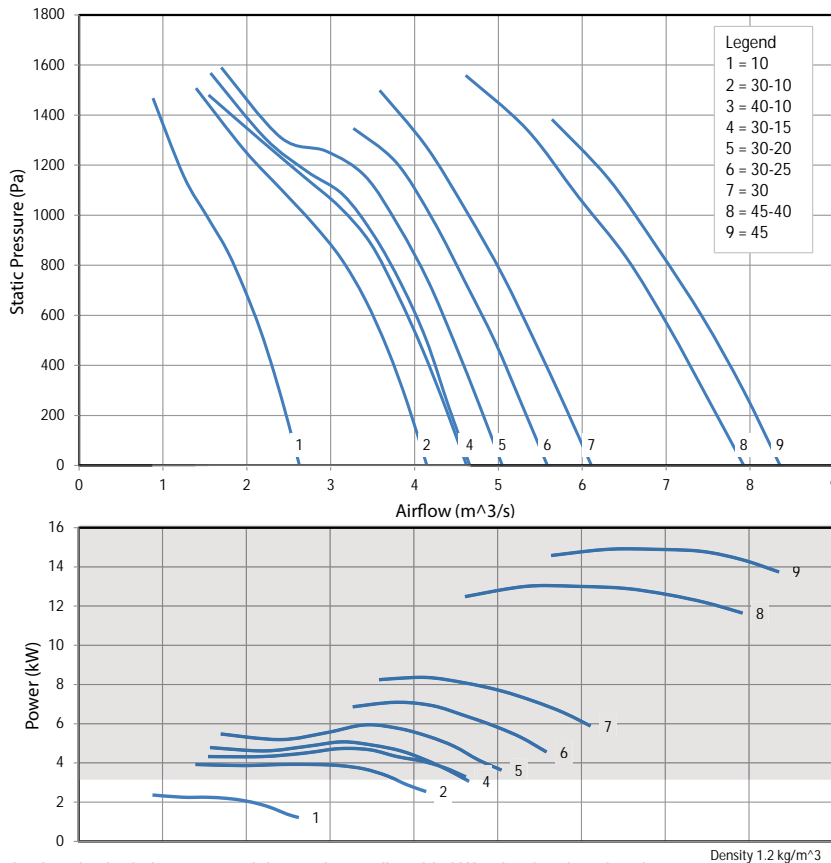


Blade Pitch	FEG
20-10	85
20	80
40-10	90
40-15	0
40-20	90
40-25	85
40-30	85
40	80
45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
30-10°	1	60	60	63	64	65	64	59	55	70	58.5
	46	56	57	60	62	63	63	61	59	69	57.5
	88	73	69	65	63	67	69	65	61	74	62.5
40-15°	1	57	59	63	66	67	65	60	53	71	59.5
	46	57	59	62	64	65	64	61	58	70	58.5
	86	81	73	69	67	69	70	65	59	75	63.5
40-30°	2	62	62	63	65	65	67	63	59	72	60.5
	45	59	63	65	66	68	70	66	61	74	62.5
	91	60	64	65	66	67	70	67	63	75	63.5
40°	1	62	62	65	67	68	69	65	61	74	62.5
	46	61	63	65	67	69	71	66	61	75	63.5
	91	61	64	66	66	67	70	67	63	75	63.5
45°	2	63	64	69	71	72	72	68	63	77	65.5
	46	62	64	68	70	70	72	68	64	77	65.5
	75	63	66	68	70	70	71	68	63	76	64.5

RA-500-225-6 (3500 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

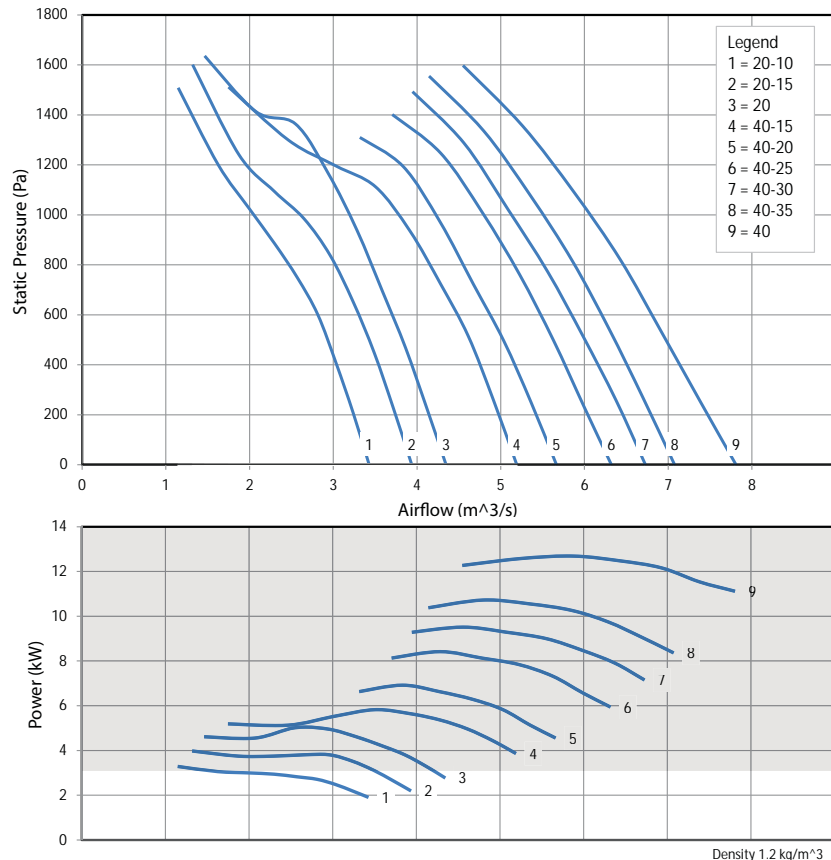


Blade Pitch	FEG
10	75
30-10	85
40-10	85
30-15	85
30-20	85
30-25	85
30	80
45-40	80
45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	10	84	84	83	87	92	92	93	91	99	87.5
	594	81	81	84	86	96	95	94	90	101	89.5
	1315	90	90	96	95	92	91	95	95	101	89.5
20-15°	10	86	86	91	93	94	94	94	92	101	89.5
	594	81	81	89	89	90	92	94	92	99	87.5
	1364	98	98	102	98	96	93	99	97	104	92.5
30-10°	10	87	87	88	91	97	96	96	93	102	90.5
	555	82	82	90	91	94	95	95	92	101	89.5
	1393	97	97	98	96	94	92	98	97	103	91.5
30-20°	10	86	86	89	92	94	95	95	93	101	89.5
	584	84	84	91	93	92	93	95	92	100	88.5
	1286	105	105	105	103	100	97	100	98	107	95.5
30°	19	86	86	90	93	92	93	94	93	100	88.5
	614	86	86	89	91	91	91	94	95	100	88.5
	1471	92	92	92	94	94	93	98	99	103	91.5

RA-500-225-6 (3500 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

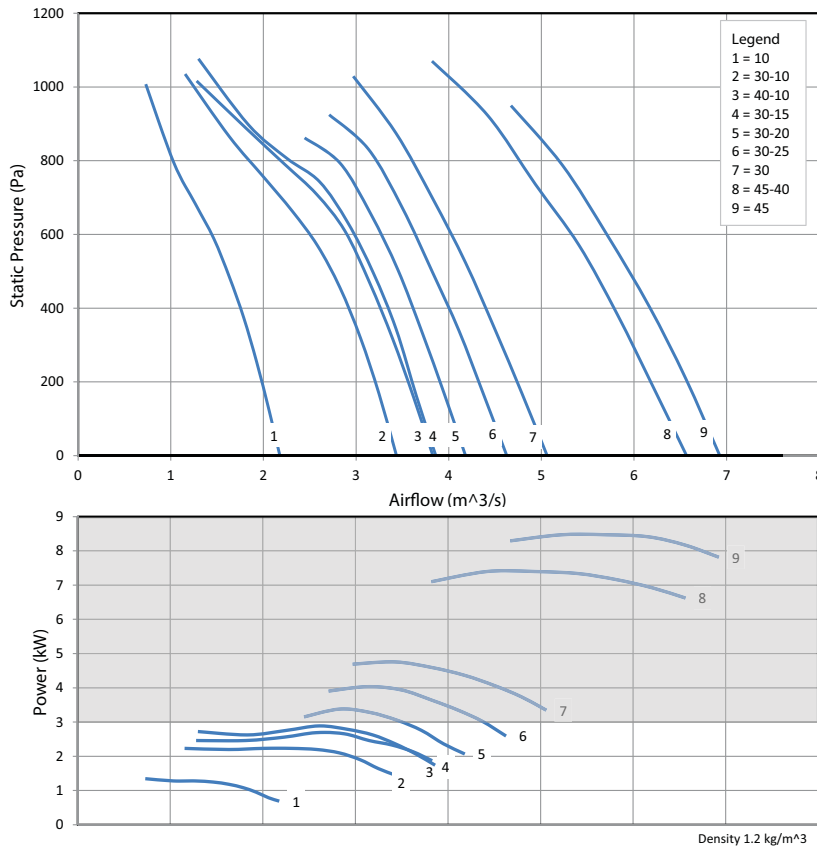


Blade Pitch	FEG
20-10	80
20-15	80
20	85
40-15	90
40-20	85
40-25	85
40-30	85
40-35	85
40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
40-10°	10	91	91	91	94	99	98	96	94	104	92.5
	614	87	87	92	91	95	96	94	92	101	89.5
	1451	98	98	98	97	94	93	98	98	103	91.5
40-20°	19	86	86	90	92	94	96	95	93	102	90.5
	633	84	84	89	91	92	94	94	93	100	88.5
	1471	105	105	103	101	96	95	99	100	105	93.5
40-30°	19	89	89	91	92	92	95	96	95	101	89.5
	623	85	85	91	92	93	94	95	97	101	89.5
	1451	96	95	93	96	96	96	100	100	105	93.5
40°	29	90	90	93	96	95	96	97	99	103	91.5
	799	86	86	89	94	96	96	99	101	105	93.5
	1568	94	94	93	96	95	95	97	101	104	92.5
45°	29	89	89	90	92	97	97	99	100	105	93.5
	614	88	88	91	94	96	97	101	102	106	94.5
	1403	90	90	92	95	95	97	98	102	105	93.5

RA-500-225-6 (2900 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	7	80	79	80	84	88	88	88	85	94	82.5
	408	76	77	80	84	91	90	89	85	96	84.5
	903	86	87	91	90	87	87	90	89	96	84.5
20-15°	7	82	83	87	88	89	89	89	86	96	84.5
	408	76	79	84	85	86	88	89	86	94	82.5
	936	93	94	97	93	91	90	94	91	99	87.5
30-10°	7	82	82	84	88	92	92	90	87	98	86.5
	535	80	81	84	89	96	93	90	86	99	87.5
	957	93	93	93	91	89	89	93	91	98	86.5
30-20°	7	81	82	85	88	90	91	90	87	97	85.5
	401	79	81	87	88	88	89	90	87	96	84.5
	883	101	101	101	98	95	93	95	92	102	90.5
30°	13	82	83	86	88	88	89	89	87	95	83.5
	502	81	82	85	87	87	88	90	90	96	84.5
	1010	88	88	88	90	89	90	94	93	99	87.5



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

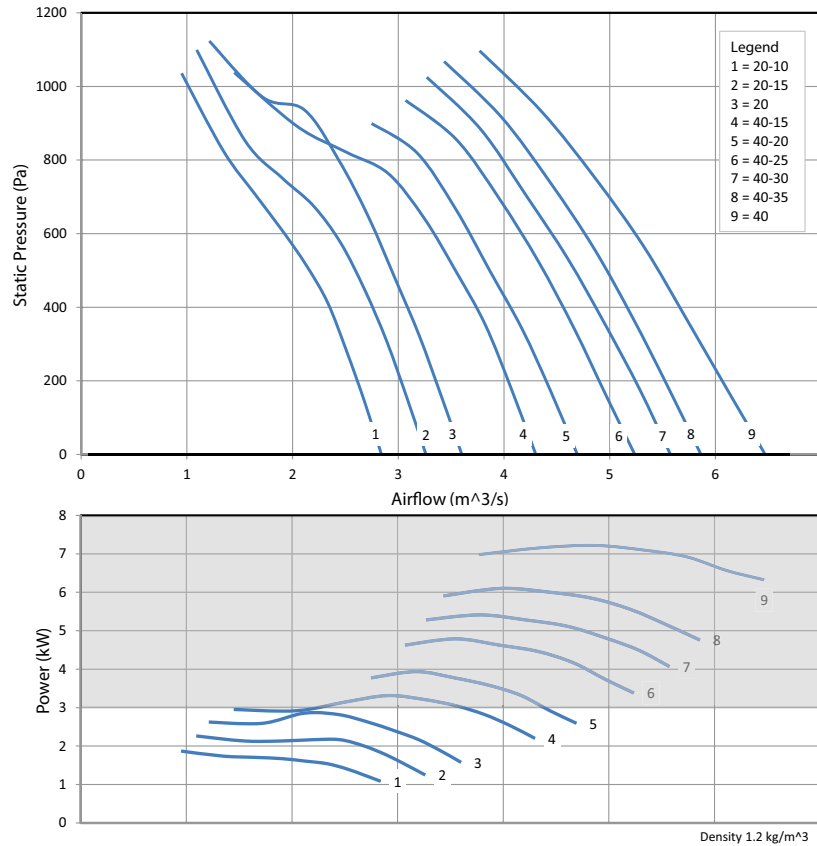
Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.



Blade Pitch	FEG
10	75
30-10	85
40-10	85
30-15	85
30-20	85
30-25	85
30	80
45-40	80
45	80

RA-500-225-6 (2900 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

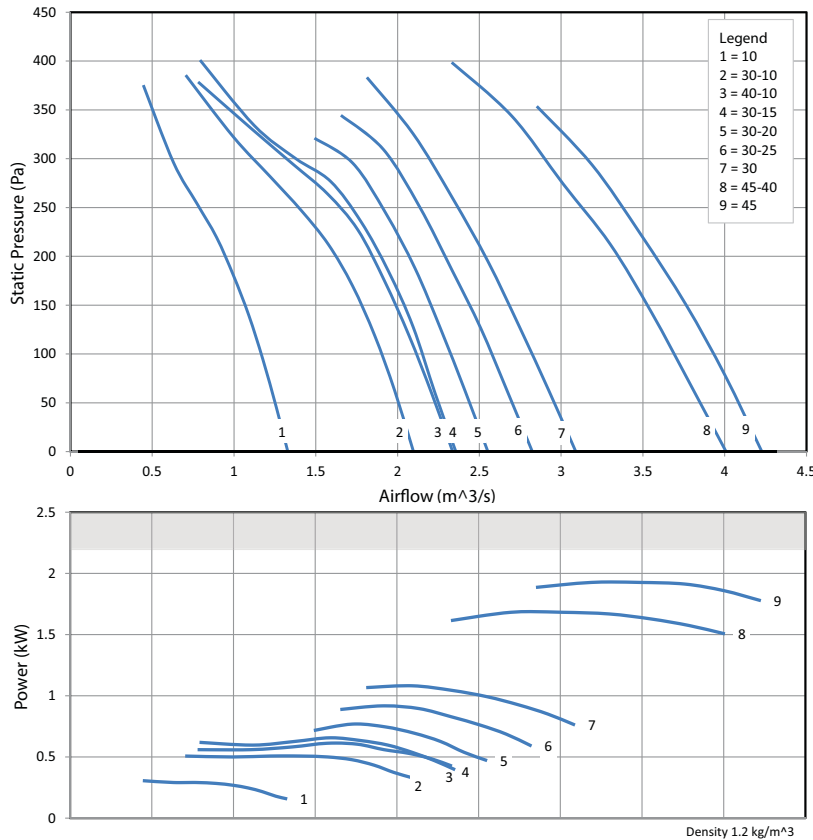


Blade Pitch	FEG
20-10	80
20-15	80
20	85
40-15	90
40-20	85
40-25	85
40-30	85
40-35	85
40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
40-10°	7	86	86	88	91	94	93	91	88	99	87.5
	508	82	83	86	88	92	91	89	86	97	85.5
	997	94	94	94	92	90	90	93	92	99	87.5
40-20°	13	81	82	86	88	90	91	90	88	97	85.5
	548	79	81	85	86	88	89	90	88	96	84.5
	1010	100	100	98	95	91	92	94	94	100	88.5
40-30°	13	85	85	87	87	88	91	91	89	97	85.5
	515	82	83	88	88	89	90	91	91	97	85.5
	997	91	90	89	91	91	93	95	94	100	88.5
40°	20	85	86	89	91	91	92	93	93	99	87.5
	548	82	83	86	90	91	92	95	95	100	88.5
	1077	89	89	89	91	91	91	94	96	100	88.5
45°	20	84	84	86	89	93	93	95	95	100	88.5
	548	83	84	85	89	91	93	96	97	101	89.5
	963	85	86	88	90	91	92	95	96	101	89.5

RA-500-225-6 (1770 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

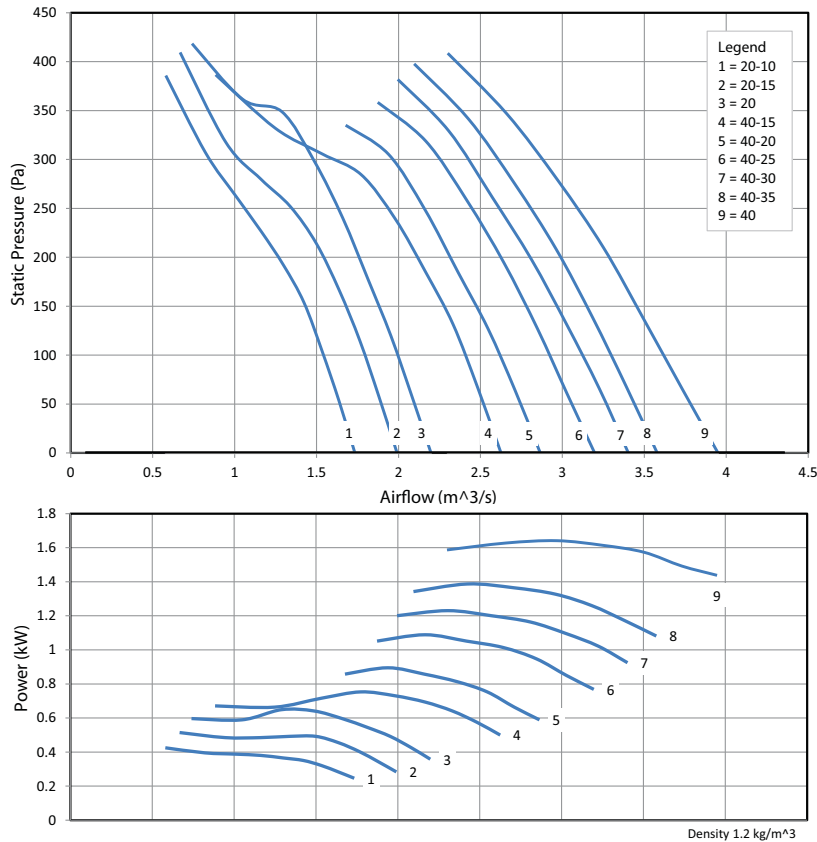


Blade Pitch	FEG
10	75
30-10	85
40-10	85
30-15	85
30-20	85
30-25	85
30	80
45-40	80
45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	2	69	68	72	77	77	78	76	70	83	71.5
	152	66	68	71	80	80	79	75	72	85	73.5
	336	75	81	80	77	75	80	79	74	85	73.5
20-15°	2	71	76	77	79	78	79	77	71	85	73.5
	199	69	73	74	81	78	80	77	72	85	73.5
	349	83	87	83	81	78	83	82	76	88	76.5
30-10°	2	71	72	76	82	81	80	78	73	86	74.5
	199	70	72	75	86	83	80	76	72	88	76.5
	356	82	82	81	79	77	83	82	76	88	76.5
30-20°	2	70	73	77	79	80	80	77	73	86	74.5
	150	68	76	77	77	78	80	77	74	85	73.5
	329	90	90	88	85	82	84	83	77	90	78.5
30°	5	71	75	78	77	78	79	77	73	84	72.5
	187	70	73	76	76	76	79	81	76	86	74.5
	376	77	77	79	78	78	83	84	79	89	77.5

RA-500-225-6 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

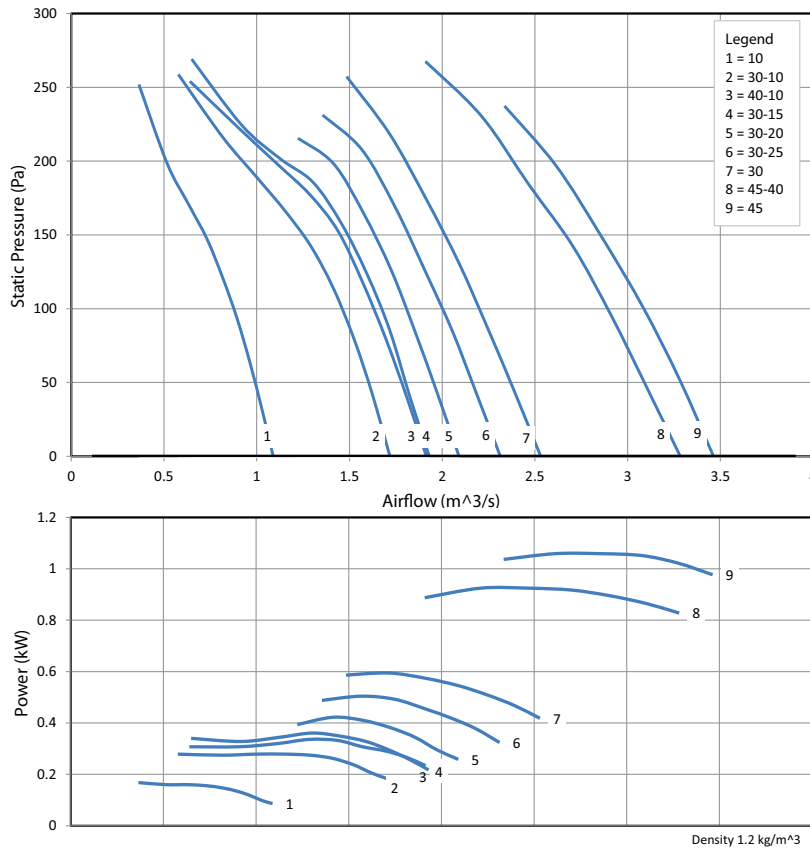


Blade Pitch	FEG
20-10	80
20-15	80
20	85
40-15	90
40-20	85
40-25	85
40-30	85
40-35	85
40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
40-10°	2	75	76	79	84	83	81	79	73	88	76.5
	189	71	75	75	81	81	78	77	73	86	74.5
	371	83	83	82	79	78	82	83	77	88	76.5
40-20°	5	70	75	77	79	81	80	78	74	86	74.5
	204	69	73	75	77	78	80	78	75	85	73.5
	376	89	88	85	81	80	83	84	79	90	78.5
40-30°	5	74	76	77	77	80	81	79	76	86	74.5
	192	71	77	77	78	79	80	82	77	87	75.5
	371	80	78	81	81	81	84	85	79	90	78.5
40°	7	74	78	80	80	81	82	83	80	89	77.5
	204	71	74	79	80	81	84	86	81	90	78.5
	401	78	77	81	80	79	82	86	82	90	78.5
45°	7	74	74	77	82	82	84	85	81	90	78.5
	204	73	74	77	80	82	85	87	83	92	80.5
	359	75	76	79	80	81	83	87	83	91	79.5

RA-500-225-6 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

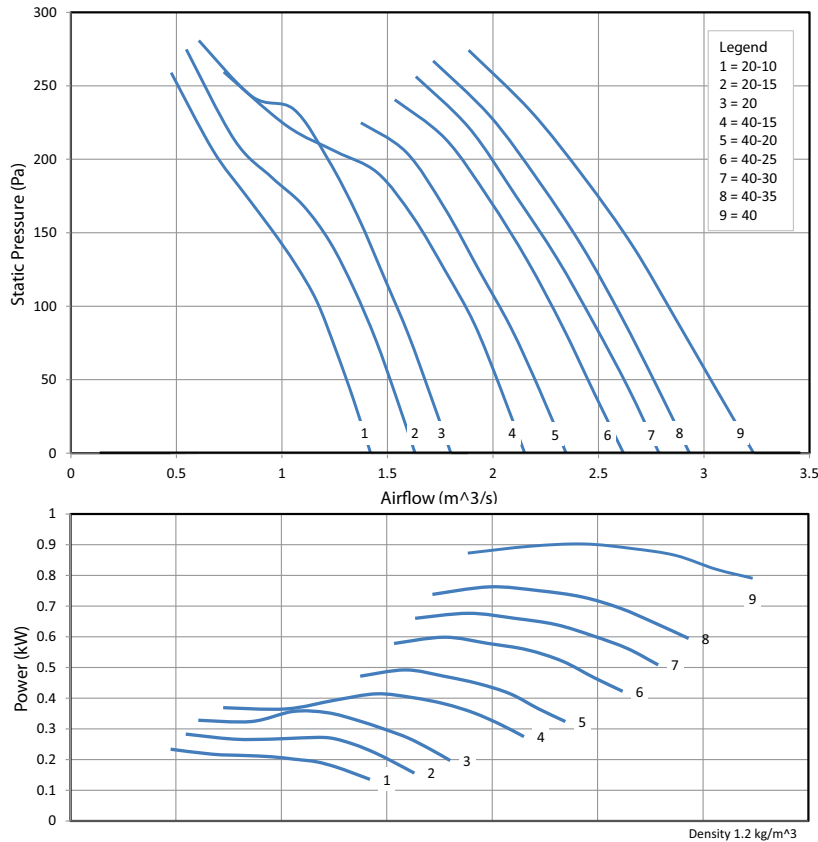


Blade Pitch	FEG
10	75
30-10	85
40-10	85
30-15	85
30-20	85
30-25	85
30	80
45-40	80
45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	2	64	65	69	73	73	73	70	64	79	67.5
	139	65	67	74	83	78	73	70	65	83	71.5
	226	72	76	75	72	72	75	74	69	80	68.5
20-15°	2	68	72	73	74	74	74	71	64	80	68.5
	134	66	69	72	76	74	75	71	67	80	68.5
	234	79	82	78	76	75	79	76	70	83	71.5
30-10°	2	67	69	73	77	77	75	72	67	82	70.5
	134	66	69	74	81	78	75	71	66	83	71.5
	239	78	78	76	74	74	78	76	71	83	71.5
30-20°	2	67	70	73	75	75	75	72	67	81	69.5
	136	68	71	72	72	73	75	73	69	80	68.5
	221	86	86	83	80	78	80	77	71	85	73.5
30°	3	68	71	73	73	74	74	72	68	80	68.5
	125	67	70	72	72	73	75	75	70	81	69.5
	252	73	73	75	74	75	79	78	74	84	72.5

RA-500-225-6 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

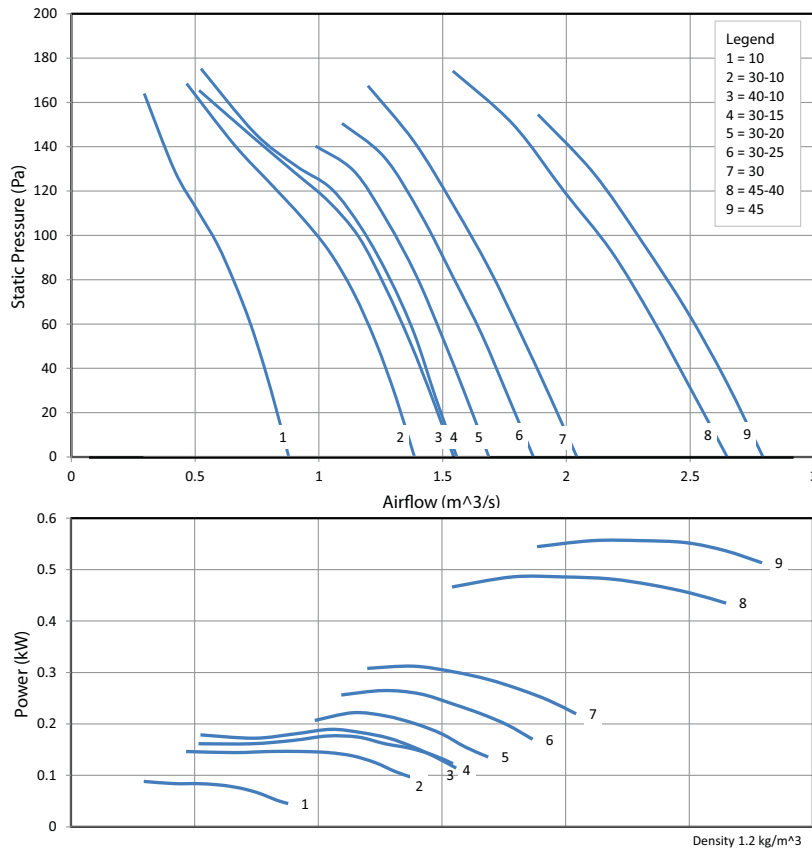


Blade Pitch	FEG
20-10	80
20-15	80
20	85
40-15	90
40-20	85
40-25	85
40-30	85
40-35	85
40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
40-10°	2	71	72	76	79	78	76	73	67	83	71.5
	127	68	70	73	77	76	74	71	68	81	69.5
	249	79	79	77	74	75	78	77	71	83	71.5
40-20°	3	67	71	73	75	76	75	72	68	81	69.5
	137	66	69	71	73	74	75	73	69	80	68.5
	252	85	83	80	76	77	79	78	73	85	73.5
40-30°	3	70	72	72	73	76	76	74	70	82	70.5
	129	68	73	73	74	75	76	76	71	82	70.5
	249	75	74	76	76	77	80	79	73	85	73.5
40°	5	71	74	76	76	77	78	78	75	84	72.5
	137	68	71	75	76	77	80	80	76	86	74.5
	269	74	74	76	76	76	79	81	77	85	73.5
45°	5	69	71	74	77	78	80	79	75	86	74.5
	137	69	70	74	76	78	81	82	78	87	75.5
	241	71	73	75	76	77	80	81	78	86	74.5

RA-500-225-6 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

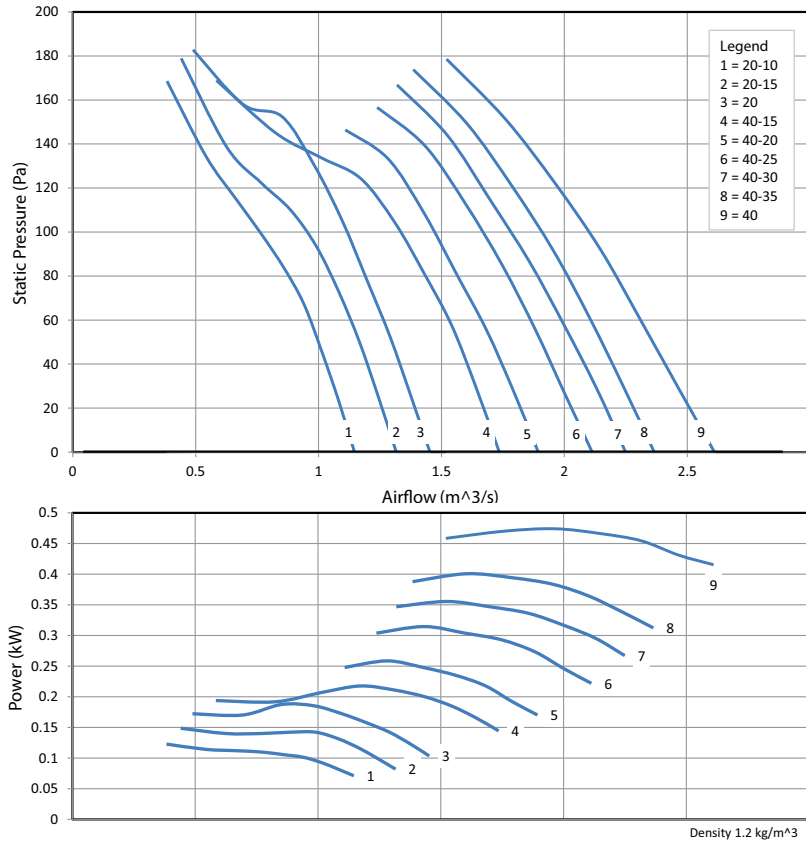


Blade Pitch	FEG
10	75
30-10	85
40-10	85
30-15	85
30-20	85
30-25	85
30	80
45-40	80
45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	1	59	61	66	68	69	68	64	58	73	61.5
	90	61	63	73	77	72	68	63	59	77	65.5
	147	69	72	69	67	69	71	67	62	75	63.5
20-15°	1	65	68	69	70	70	69	64	58	75	63.5
	87	62	65	70	71	70	69	65	61	75	63.5
	152	76	78	72	70	72	74	70	64	78	66.5
30-10°	1	63	66	70	72	72	70	66	60	76	64.5
	87	62	65	73	75	72	69	65	60	77	65.5
	156	73	73	71	69	71	73	70	64	78	66.5
30-20°	1	63	66	69	70	71	70	66	61	76	64.5
	88	64	66	67	68	70	70	67	64	75	63.5
	144	81	81	77	74	74	74	70	64	80	68.5
30°	2	64	67	68	68	69	69	66	62	75	63.5
	82	63	66	67	67	69	71	69	64	76	64.5
	164	68	69	70	69	72	74	72	68	79	67.5

RA-500-225-6 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

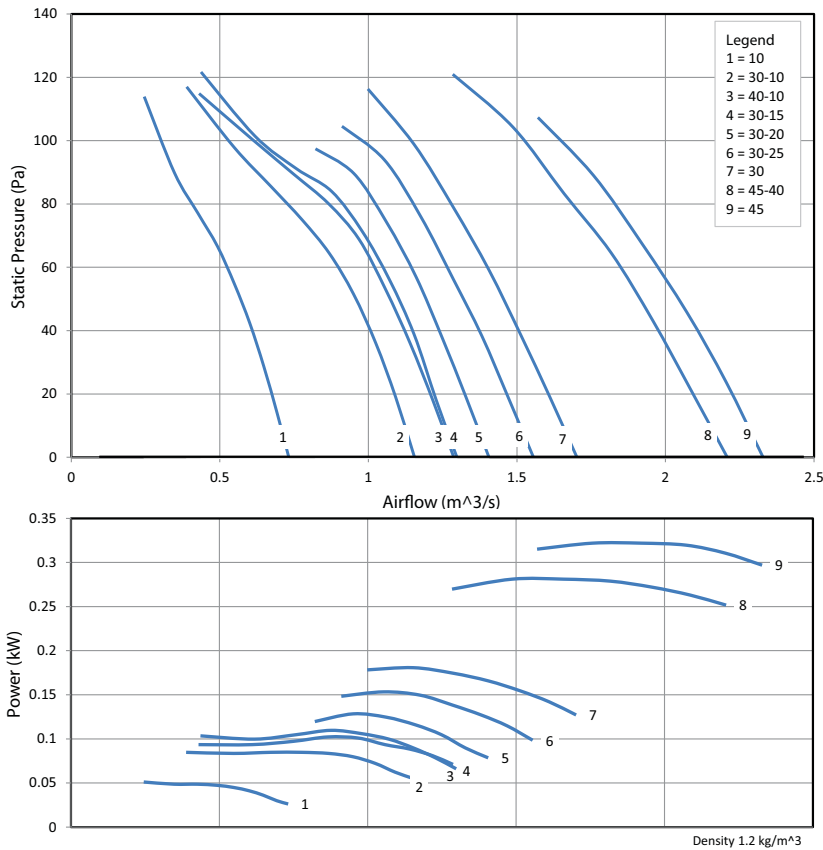


Blade Pitch	FEG
20-10	80
20-15	80
20	85
40-15	90
40-20	85
40-25	85
40-30	85
40-35	85
40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
40-10°	1	67	69	73	74	73	71	66	61	77	65.5
	83	64	66	70	72	70	68	66	62	75	63.5
	162	74	74	71	70	72	74	70	65	78	66.5
40-20°	2	64	67	69	71	71	70	66	62	76	64.5
	89	62	65	67	69	70	70	67	64	75	63.5
	164	79	79	74	71	73	75	72	66	80	68.5
40-30°	2	66	67	68	69	71	71	68	64	77	65.5
	84	65	68	68	69	71	72	70	65	77	65.5
	162	70	70	72	72	74	76	73	67	80	68.5
40°	3	68	70	71	71	72	74	72	69	79	67.5
	89	64	68	71	72	73	76	74	70	81	69.5
	175	69	71	71	71	72	75	75	71	81	69.5
45°	3	65	67	71	73	74	76	73	69	81	69.5
	89	64	67	70	72	75	77	76	72	82	70.5
	157	67	69	71	72	73	76	76	72	82	70.5

RA-500-225-6 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

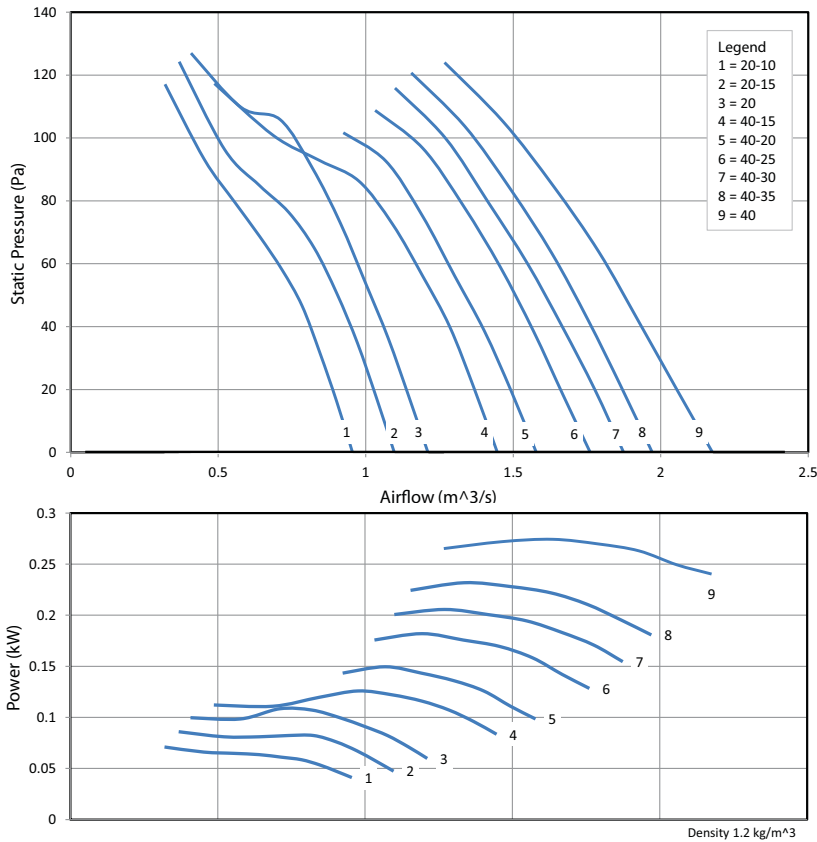


Blade Pitch	FEG
10	75
30-10	85
40-10	85
30-15	85
30-20	85
30-25	85
30	80
45-40	80
45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	0	77	77	83	97	87	88	90	88	97	85.5
	584	82	82	85	92	97	97	91	88	102	90.5
	1169	90	90	94	95	90	90	94	95	100	88.5
20°	0	84	84	85	94	90	89	89	87	97	85.5
	594	81	81	88	92	90	87	89	90	96	84.5
	1169	86	86	90	95	97	94	94	94	102	90.5
40-20°	10	91	91	88	92	91	91	91	88	98	86.5
	584	86	86	87	89	91	89	89	90	97	85.5
	1169	88	88	90	92	94	93	94	95	101	89.5
40-30°	10	93	93	88	90	93	93	92	94	100	88.5
	575	87	87	88	90	93	92	94	96	100	88.5
	1178	89	89	87	93	92	90	92	96	100	88.5
40°	19	93	93	89	92	95	94	96	98	103	91.5
	370	90	90	87	92	95	94	95	99	102	90.5
	964	91	91	89	93	95	92	93	97	101	89.5

RA-500-225-6 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

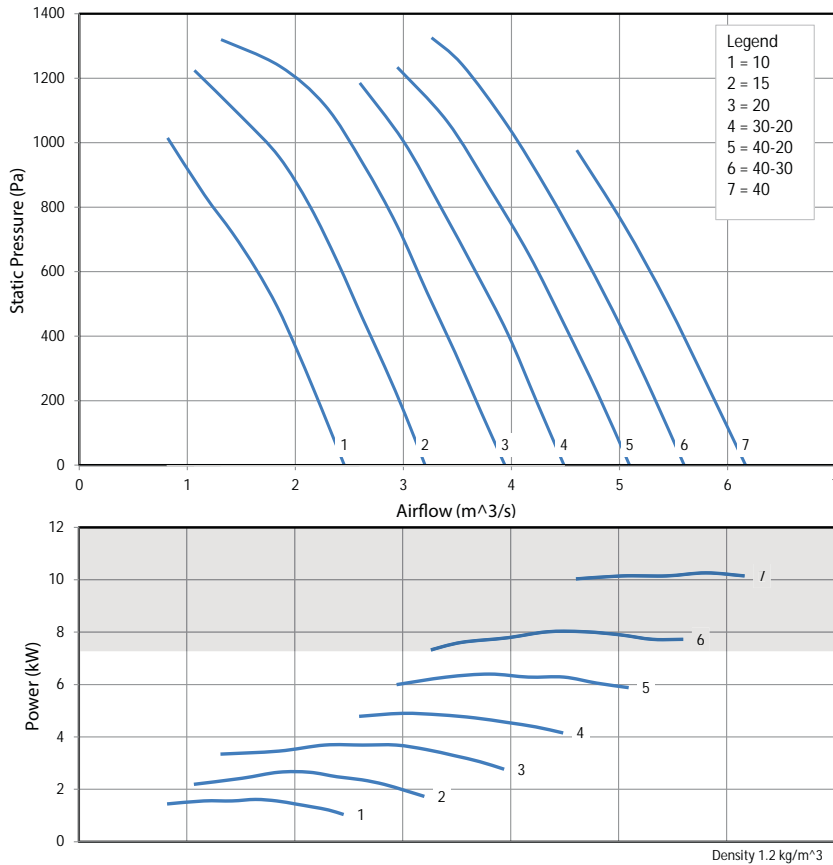


Blade Pitch	FEG
20-10	80
20-15	80
20	85
40-15	90
40-20	85
40-25	85
40-30	85
40-35	85
40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
40-10°	1	63	65	70	70	68	66	61	55	73	61.5
	58	61	62	68	68	66	64	61	57	71	59.5
	113	70	70	66	65	69	70	65	59	74	62.5
40-20°	1	61	64	66	67	67	65	61	57	72	60.5
	62	60	62	64	65	66	65	62	59	71	59.5
	114	75	75	69	67	70	71	67	61	76	64.5
40-30°	1	63	64	64	66	68	67	63	59	72	60.5
	58	63	64	65	66	67	69	65	59	73	61.5
	113	65	67	68	68	71	72	67	61	76	64.5
40°	2	65	67	67	68	68	70	67	64	75	63.5
	62	60	65	67	68	70	72	69	65	77	65.5
	122	65	68	67	67	69	72	70	66	77	65.5
45°	2	61	64	68	69	71	72	68	64	77	65.5
	62	61	64	67	68	72	74	71	67	79	67.5
	109	63	66	67	68	70	73	71	67	78	66.5

RA-500-325-225-4 (3500 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	0	77	77	83	97	87	88	90	88	97	85.5
	584	82	82	85	92	97	97	91	88	102	90.5
	1169	90	90	94	95	90	90	94	95	100	88.5
20°	0	84	84	85	94	90	89	89	87	97	85.5
	594	81	81	88	92	90	87	89	90	96	84.5
	1169	86	86	90	95	97	94	94	94	102	90.5
40-20°	10	91	91	88	92	91	91	91	88	98	86.5
	584	86	86	87	89	91	89	89	90	97	85.5
	1169	88	88	90	92	94	93	94	95	101	89.5
40-30°	10	93	93	88	90	93	93	92	94	100	88.5
	575	87	87	88	90	93	92	94	96	100	88.5
	1178	89	89	87	93	92	90	92	96	100	88.5
40°	19	93	93	89	92	95	94	96	98	103	91.5
	370	90	90	87	92	95	94	95	99	102	90.5
	964	91	91	89	93	95	92	93	97	101	89.5



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

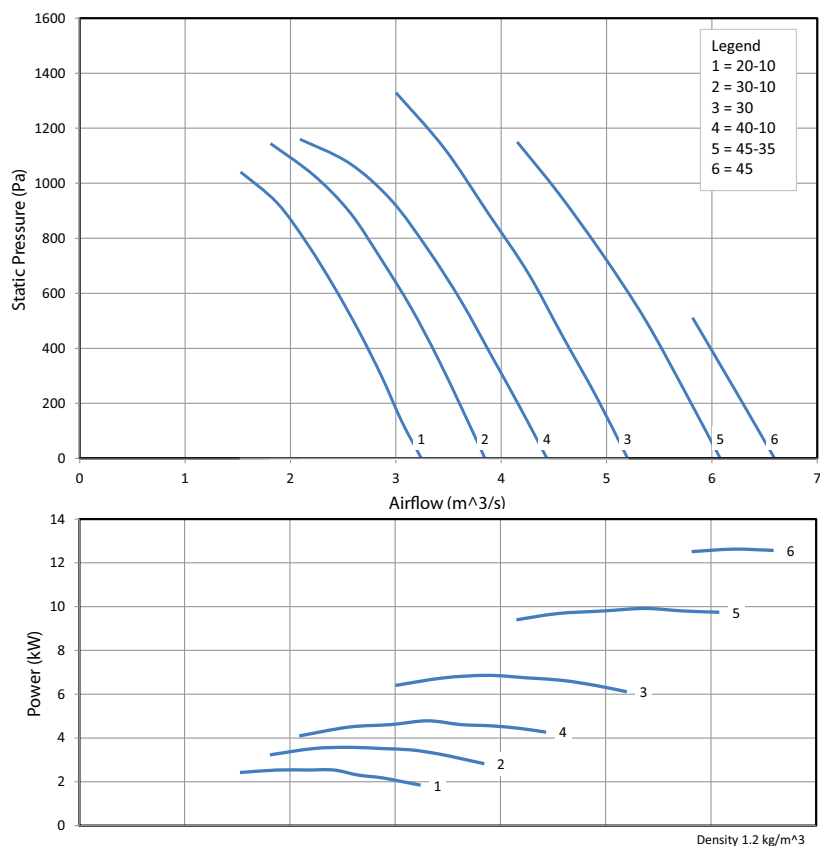
Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.



Blade Pitch	FEG
10	75
15-15	80
20-20	85
30-20	80
40-20	80
40-30	80
40-40	75

RA-500-325-225-4 (3500 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

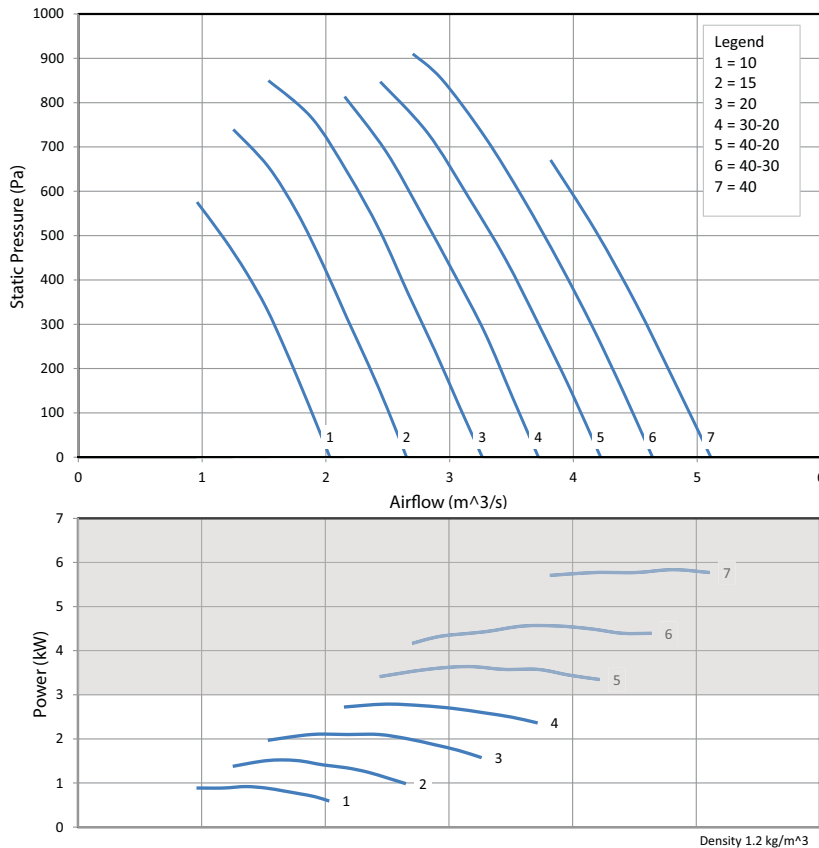


Blade Pitch	FEG
20-10	80
30-10	80
30-30	80
40-10	80
45-35	75
45-45	67

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	0	80	80	86	92	89	88	88	87	96	84.5
	594	80	80	85	90	89	87	88	87	95	83.5
	1169	97	97	99	97	92	90	93	93	100	88.5
30°	0	90	90	88	92	92	92	93	94	100	88.5
	575	86	86	89	92	92	91	96	97	101	89.5
	1159	85	85	89	95	92	91	93	97	101	89.5
40-10°	0	89	89	85	89	91	92	91	90	98	86.5
	390	85	85	86	90	91	90	89	88	97	85.5
	993	89	89	89	94	99	95	90	88	102	90.5
45-35°	10	93	93	88	93	94	95	96	97	102	90.5
	380	93	93	88	92	95	94	95	98	102	90.5
	974	90	90	88	91	94	92	93	97	101	89.5
45°	10	94	94	90	94	97	96	98	101	105	93.5
	575	104	104	98	99	98	97	97	99	105	93.5
	1169	113	113	104	100	98	95	96	96	105	93.5

RA-500-325-225-4 (2900 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

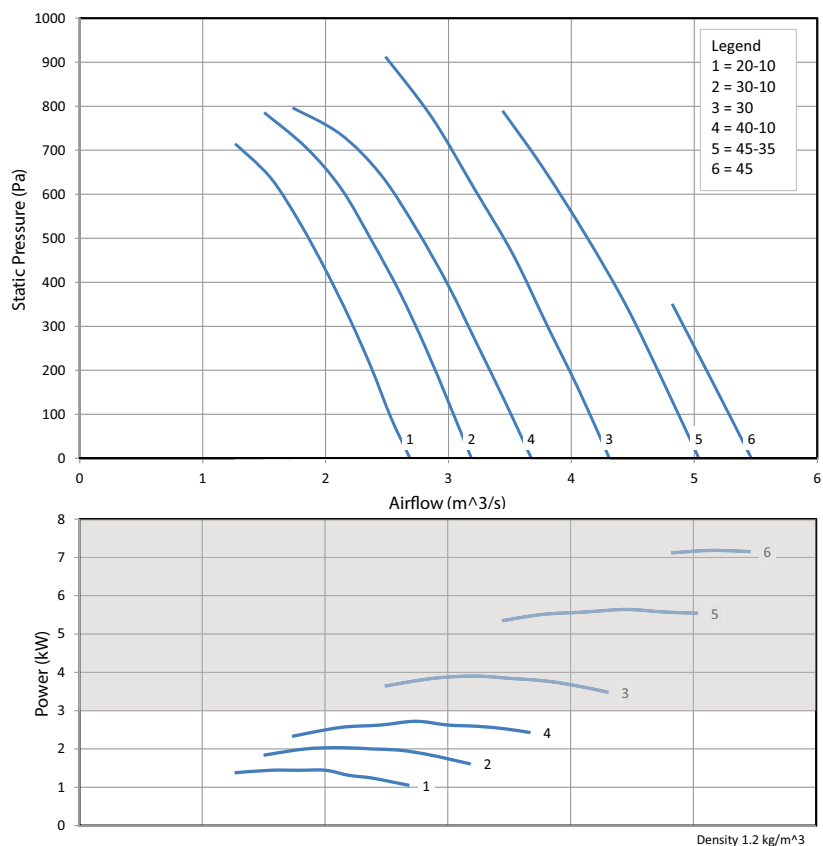


Blade Pitch	FEG
10	75
15-15	80
20-20	85
30-20	80
40-20	80
40-30	80
40-40	75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	0	73	75	83	90	83	85	85	82	92	80.5
	401	78	79	83	89	93	91	86	83	97	85.5
	802	86	87	90	90	86	87	90	89	96	84.5
20°	0	80	80	84	89	85	85	84	82	92	80.5
	408	76	79	85	87	85	83	85	86	92	80.5
	802	82	83	87	92	92	90	90	89	97	85.5
40-20°	7	87	86	85	88	87	87	86	84	93	81.5
	401	82	82	83	86	86	85	85	86	92	80.5
	802	84	85	87	89	90	89	90	90	97	85.5
40-30°	7	89	87	85	87	89	89	89	89	96	84.5
	395	83	83	85	87	88	88	90	90	96	84.5
	809	85	84	85	89	87	87	89	91	95	83.5
40°	13	89	88	86	89	91	91	93	93	98	86.5
	254	86	85	85	89	91	90	92	93	98	86.5
	662	87	86	86	89	90	88	90	92	97	85.5

RA-500-325-225-4 (2900 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).



Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

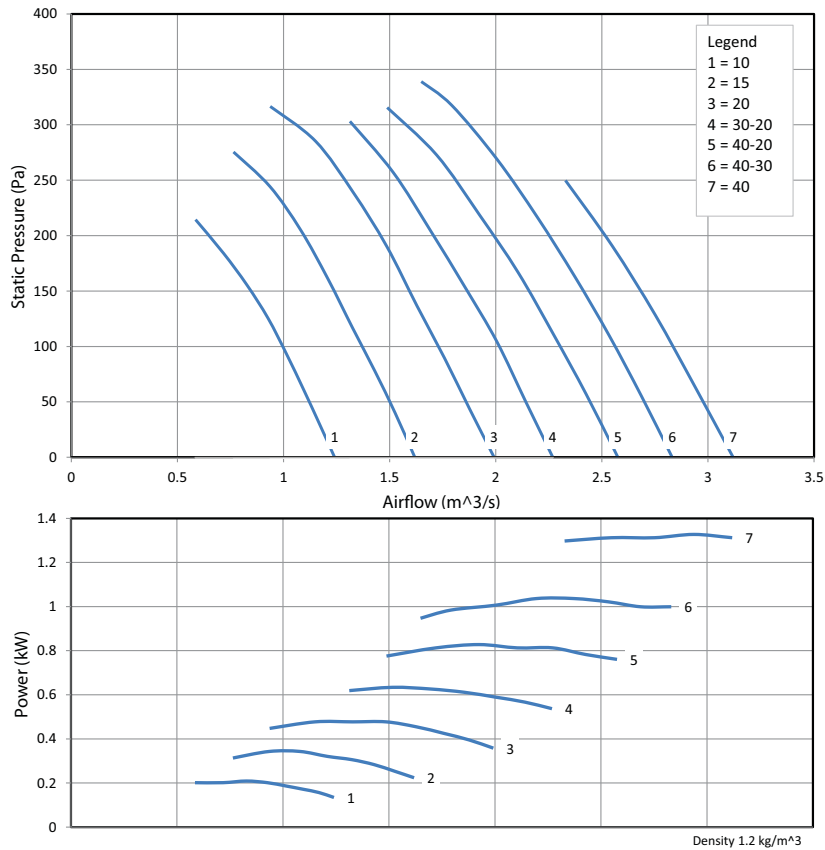


Blade Pitch	FEG
20-10	80
30-10	80
30-30	80
40-10	80
45-35	75
45-45	67

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	0	75	77	84	87	85	84	84	82	91	79.5
	408	76	77	82	86	84	83	83	82	91	79.5
	802	93	94	95	91	88	87	89	88	96	84.5
30°	0	86	85	85	88	88	88	89	89	96	84.5
	395	82	83	86	88	88	89	92	91	97	85.5
	796	81	82	86	90	88	88	90	92	97	85.5
40-10°	0	85	84	82	85	87	87	86	85	94	82.5
	268	81	81	83	86	87	86	85	84	92	80.5
	682	84	85	86	91	94	89	86	84	97	85.5
45-35°	7	89	87	85	89	90	91	92	92	98	86.5
	261	89	87	85	88	90	90	92	93	98	86.5
	669	86	86	85	88	89	88	90	92	97	85.5
45°	7	90	89	87	91	93	93	94	96	101	89.5
	395	100	99	94	95	94	93	93	94	101	89.5
	802	109	107	100	95	93	91	92	91	100	88.5

RA-500-325-225-4 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

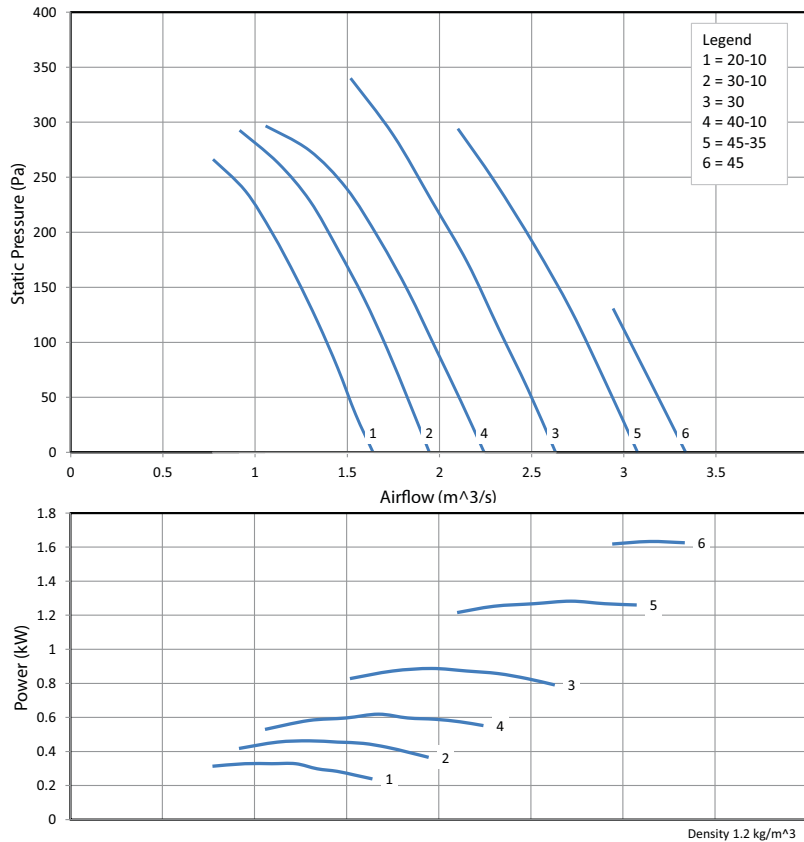


Blade Pitch	FEG
10	75
15-15	80
20-20	85
30-20	80
40-20	80
40-30	80
40-40	75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	0	62	68	83	72	73	75	73	68	81	69.5
	149	67	70	77	82	82	77	74	69	85	73.5
	299	75	79	81	75	75	79	80	75	85	73.5
20°	0	69	70	79	75	74	74	72	70	81	69.5
	152	66	73	77	75	72	74	76	73	81	69.5
	299	72	75	80	82	79	79	80	76	86	74.5
40-20°	2	76	73	77	76	76	76	74	72	82	70.5
	149	71	72	75	76	75	74	76	74	82	70.5
	299	73	75	78	79	78	80	80	76	86	74.5
40-30°	2	78	73	75	78	78	78	79	75	85	73.5
	147	72	73	75	78	77	79	81	76	86	74.5
	301	74	72	78	77	75	77	81	78	85	73.5
40°	5	78	74	77	80	80	81	84	79	88	76.5
	95	75	73	77	80	79	80	84	80	88	76.5
	247	76	74	78	80	77	78	83	79	87	75.5

RA-500-325-225-4 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

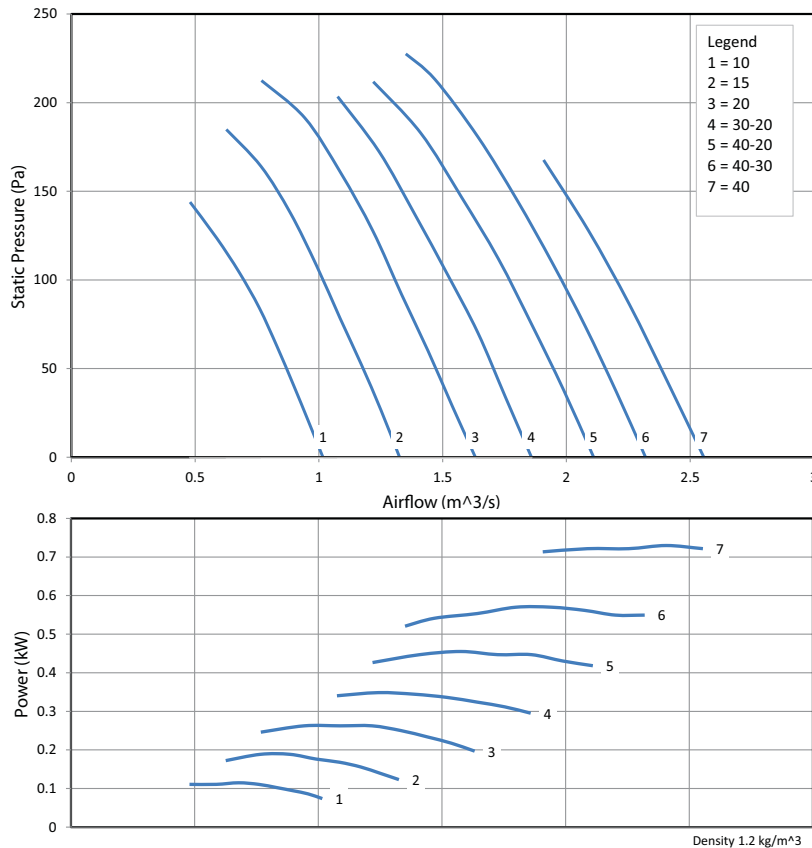


Blade Pitch	FEG
20-10	80
30-10	80
30-30	80
40-10	80
45-35	75
45-45	67

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	0	65	71	77	74	73	74	72	69	80	68.5
	152	65	70	75	74	72	73	72	70	79	67.5
	299	82	84	82	78	75	78	78	74	84	72.5
30°	0	75	73	77	78	77	78	79	76	85	73.5
	147	72	74	77	77	77	81	82	77	87	75.5
	296	70	74	80	77	76	78	82	79	87	75.5
40-10°	0	74	70	74	76	77	76	75	73	83	71.5
	100	70	71	75	76	76	74	73	72	81	69.5
	254	74	74	79	84	80	75	74	72	85	73.5
45-35°	2	78	73	78	80	80	81	82	78	88	76.5
	97	78	73	77	80	79	80	84	80	88	76.5
	249	76	74	77	79	77	78	82	79	87	75.5
45°	2	79	75	79	82	82	83	86	82	91	79.5
	147	90	83	84	84	82	82	85	81	90	78.5
	299	99	90	85	83	81	81	81	77	88	76.5

RA-500-325-225-4 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

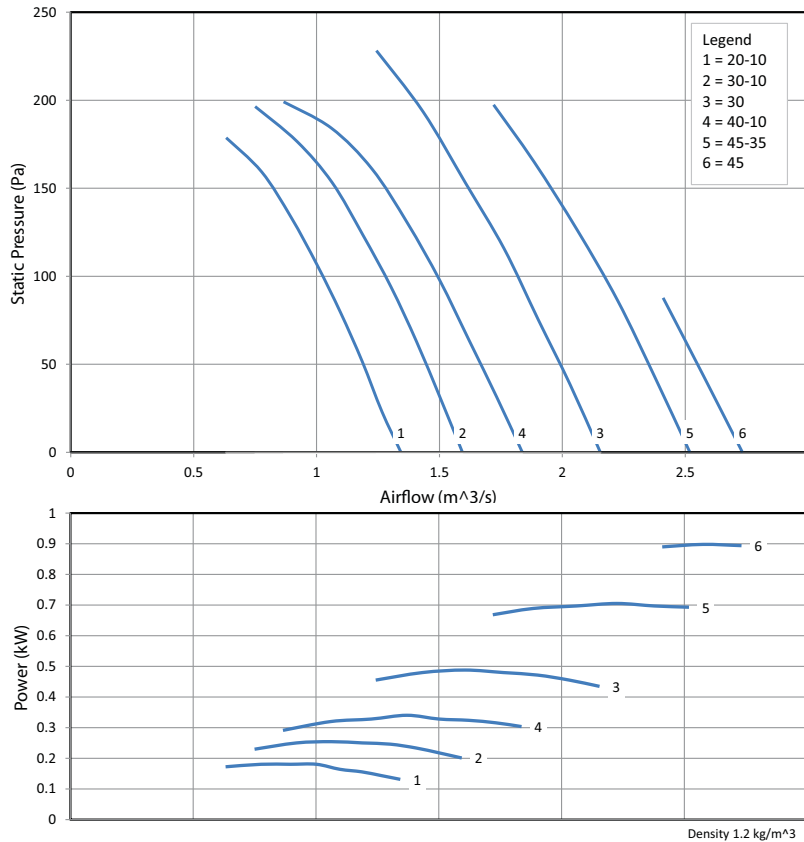


Blade Pitch	FEG
10	75
15-15	80
20-20	85
30-20	80
40-20	80
40-30	80
40-40	75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	0	60	68	75	68	70	70	67	62	76	64.5
	100	64	68	74	78	76	71	68	64	80	68.5
	201	72	75	75	71	72	75	74	70	80	68.5
20°	0	65	68	74	70	70	69	67	65	76	64.5
	102	64	70	72	70	68	70	70	67	77	65.5
	201	68	72	77	77	75	75	74	70	82	70.5
40-20°	2	71	70	72	72	72	71	69	68	78	66.5
	100	67	68	71	71	70	70	71	69	77	65.5
	201	70	72	74	75	74	75	75	71	81	69.5
40-30°	2	72	70	72	74	74	74	74	70	80	68.5
	99	68	70	72	73	73	75	75	71	81	69.5
	202	69	70	74	72	71	74	76	73	81	69.5
40°	3	73	71	74	76	76	78	78	73	84	72.5
	64	70	69	74	76	75	77	78	74	84	72.5
	165	71	71	74	75	73	75	77	74	82	70.5

RA-500-325-225-4 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

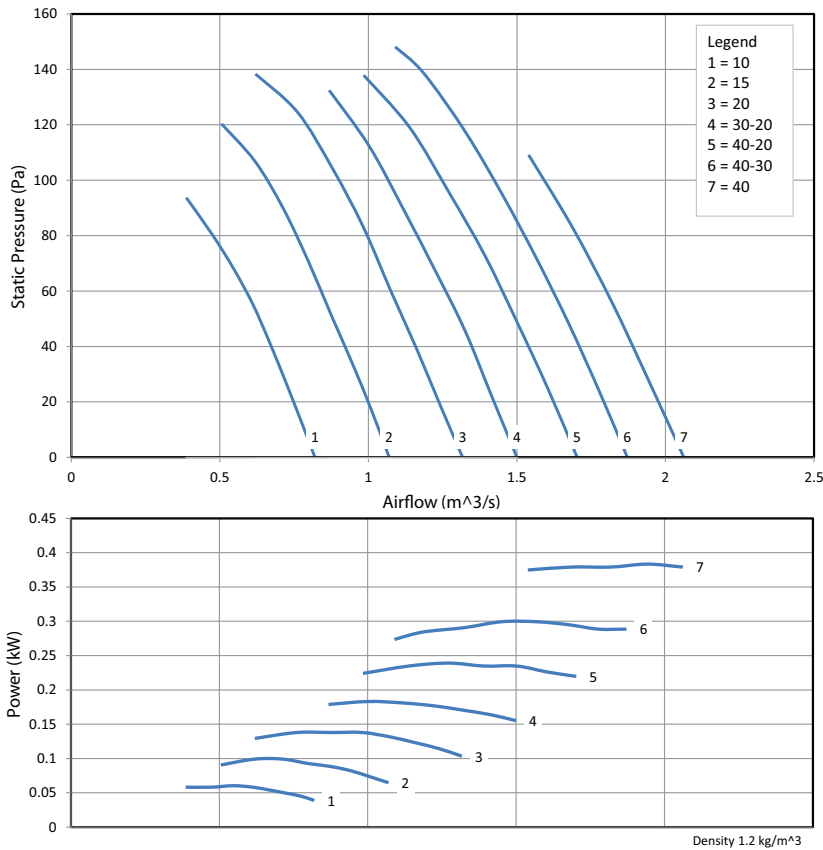


Blade Pitch	FEG
20-10	80
30-10	80
30-30	80
40-10	80
45-35	75
45-45	67

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	0	62	69	72	70	69	69	67	63	75	63.5
	102	62	67	71	69	68	68	67	65	75	63.5
	201	79	80	76	73	72	74	73	68	80	68.5
30°	0	70	70	73	73	73	74	74	70	80	68.5
	99	68	71	73	73	73	77	76	72	82	70.5
	199	67	71	75	73	72	75	77	73	82	70.5
40-10°	0	69	67	70	72	72	71	70	68	78	66.5
	67	66	68	71	72	71	70	69	68	77	65.5
	171	70	71	76	79	74	71	69	68	80	68.5
45-35°	2	72	70	74	75	76	77	77	72	83	71.5
	65	72	70	73	75	75	77	78	74	84	72.5
	167	71	70	73	74	73	75	77	74	82	70.5
45°	2	74	72	76	77	78	79	81	77	86	74.5
	99	83	79	80	79	78	78	79	76	85	73.5
	201	92	85	80	78	76	77	76	71	83	71.5

RA-500-325-225-4 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

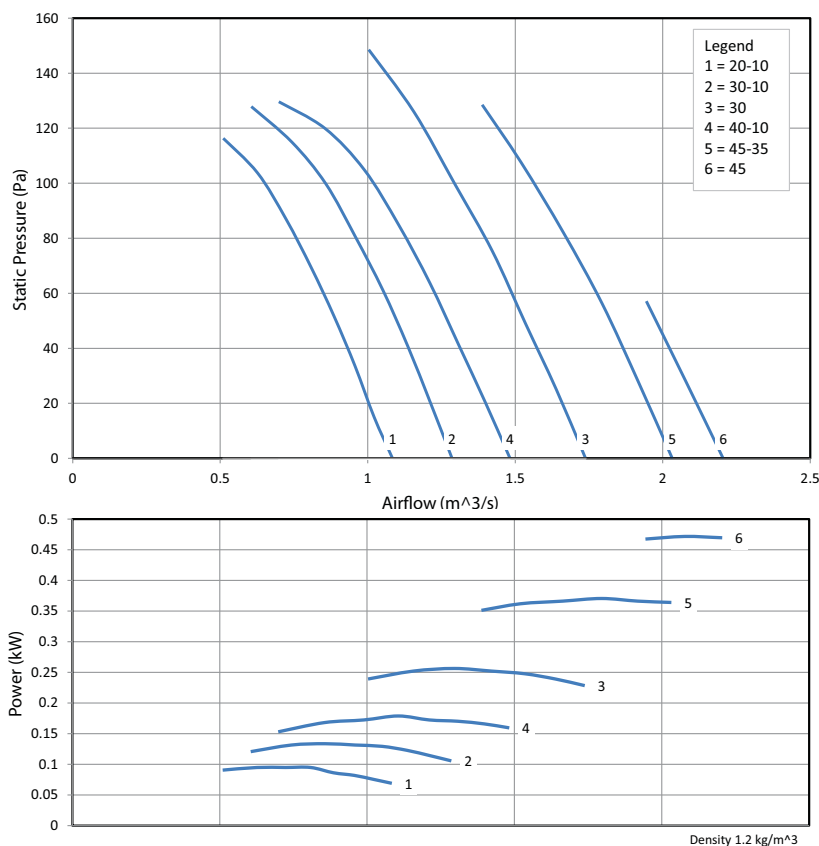


Blade Pitch	FEG
10	75
15-15	80
20-20	85
30-20	80
40-20	80
40-30	80
40-40	75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	0	59	68	67	64	65	65	61	56	71	59.5
	65	61	65	71	73	70	66	62	58	75	63.5
	131	70	71	69	66	69	71	68	64	76	64.5
20°	0	61	67	68	65	65	64	62	59	71	59.5
	67	64	67	67	64	64	66	65	62	72	60.5
	131	66	69	72	71	70	70	68	64	76	64.5
40-20°	1	65	66	68	67	67	66	64	63	73	61.5
	65	63	65	66	66	65	66	66	64	72	60.5
	131	66	68	70	70	70	71	69	65	76	64.5
40-30°	1	66	66	68	69	69	70	68	64	75	63.5
	64	64	65	68	69	69	71	69	65	76	64.5
	132	64	67	69	67	67	71	70	67	76	64.5
40°	2	67	67	70	71	72	74	72	67	79	67.5
	41	65	66	70	71	71	73	72	68	79	67.5
	108	66	68	70	69	69	72	72	68	78	66.5

RA-500-325-225-4 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).



Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

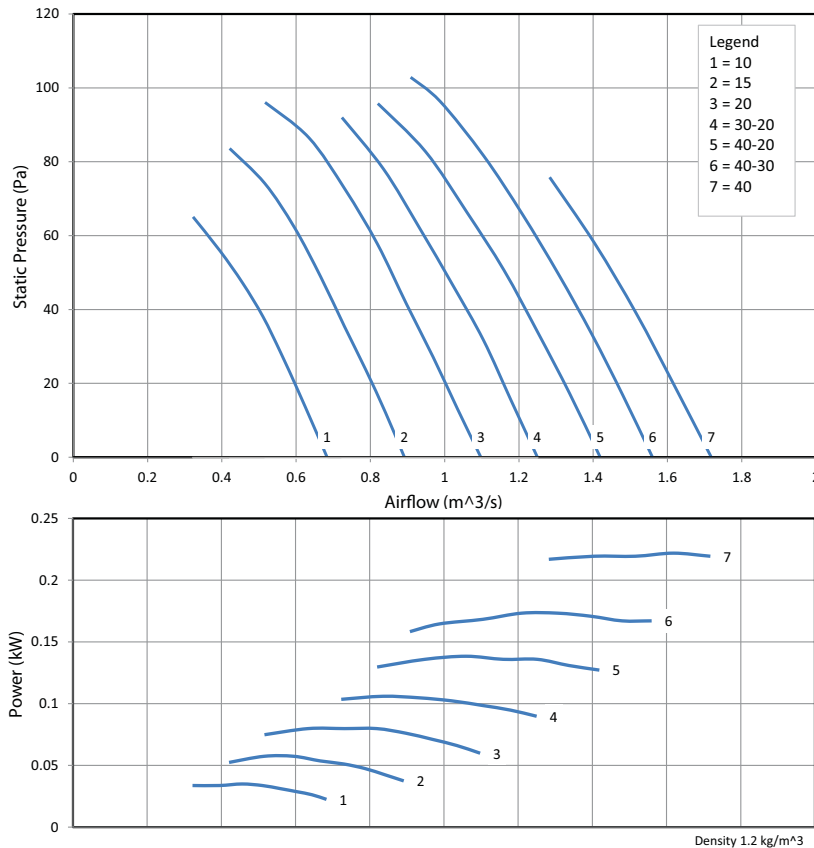


Blade Pitch	FEG
20-10	80
30-10	80
30-30	80
40-10	80
45-35	75
45-45	67

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	0	62	66	66	65	65	64	61	58	70	58.5
	67	61	64	65	64	64	64	62	59	70	58.5
	131	75	74	70	67	68	69	66	62	75	63.5
30°	0	65	66	68	68	69	70	68	65	76	64.5
	64	65	67	68	68	70	72	70	66	77	65.5
	130	65	68	69	68	69	72	71	68	77	65.5
40-10°	0	63	64	66	68	67	67	65	63	73	61.5
	44	62	64	66	67	66	65	64	63	72	60.5
	111	65	68	73	73	68	65	64	62	74	62.5
45-35°	1	66	67	70	71	71	73	71	66	78	66.5
	42	66	66	70	71	71	73	72	69	79	67.5
	109	65	66	69	69	69	72	72	69	77	65.5
45°	1	68	69	72	73	73	76	75	71	81	69.5
	64	77	75	75	74	73	75	74	70	80	68.5
	131	84	78	75	72	72	72	70	65	78	66.5

RA-500-325-225-4 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

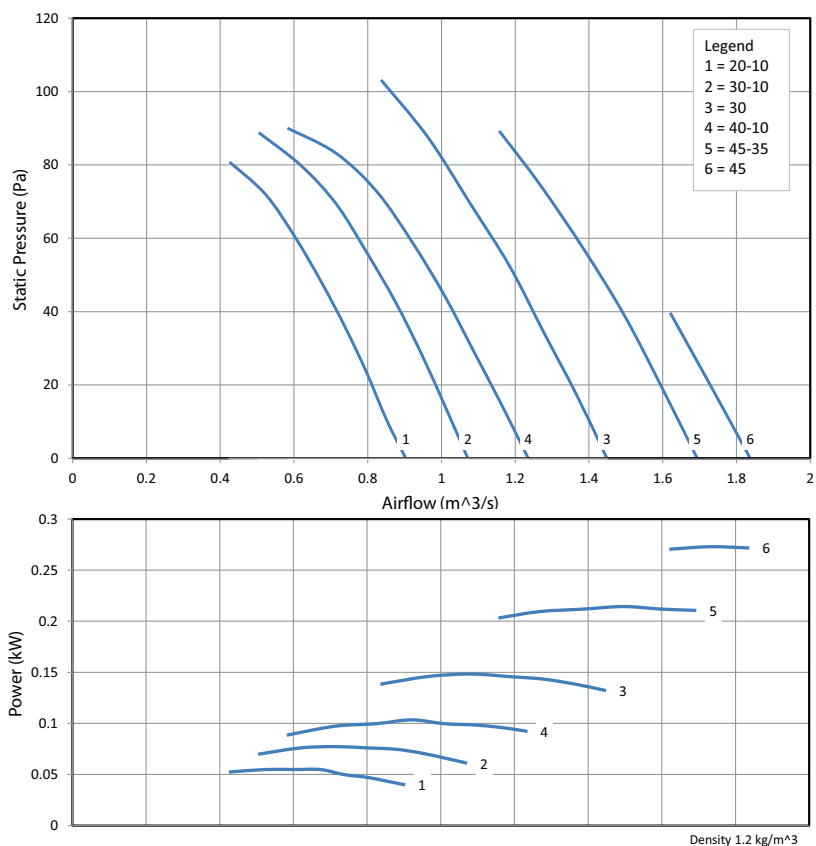


Blade Pitch	FEG
10	75
15-15	80
20-20	85
30-20	80
40-20	80
40-30	80
40-40	75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	0	55	68	61	60	62	60	56	50	66	54.5
	45	57	63	68	69	64	61	57	53	70	58.5
	91	66	67	63	62	66	67	63	58	72	60.5
20°	0	57	65	63	61	61	60	57	55	66	54.5
	46	61	64	62	59	61	62	60	57	68	56.5
	91	62	67	69	67	66	67	63	59	72	60.5
40-20°	1	60	63	64	63	63	61	60	58	68	56.5
	45	59	61	63	62	61	62	61	59	68	56.5
	91	62	64	66	66	66	67	64	61	72	60.5
40-30°	1	61	62	65	65	65	66	63	59	71	59.5
	45	60	62	65	64	66	68	64	60	72	60.5
	91	60	65	65	63	64	68	66	62	72	60.5
40°	1	62	64	67	67	68	70	67	62	75	63.5
	29	60	63	67	67	67	70	67	63	75	63.5
	75	61	65	67	65	65	69	67	64	74	62.5

RA-500-325-225-4 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

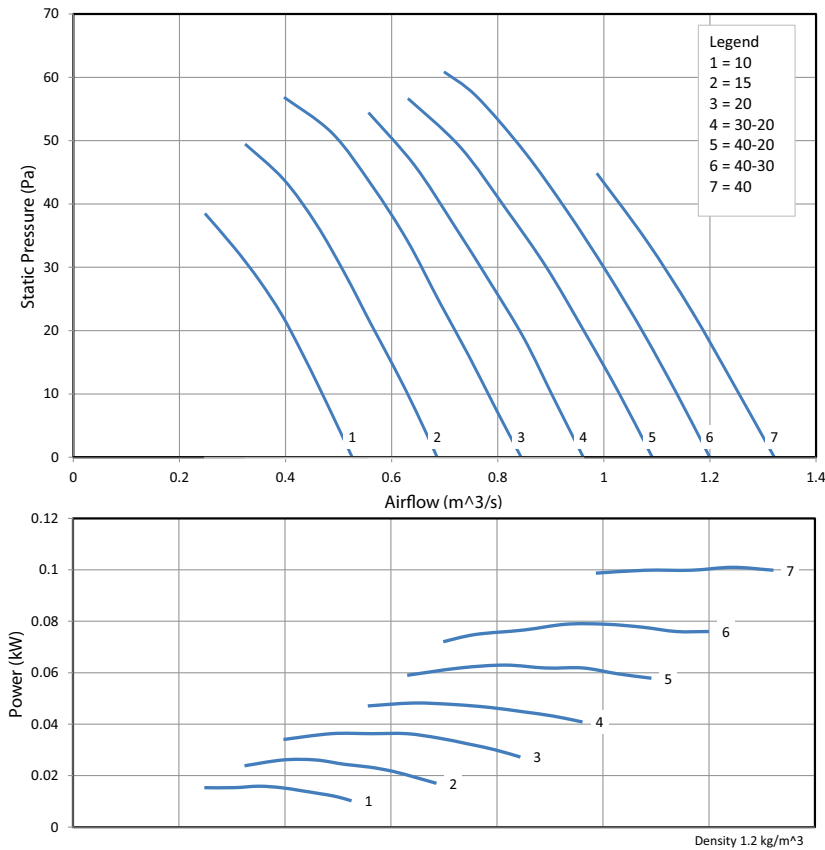


Blade Pitch	FEG
20-10	80
30-10	80
30-30	80
40-10	80
45-35	75
45-45	67

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	0	58	63	62	61	61	59	56	53	66	54.5
	46	57	62	61	59	60	59	57	55	66	54.5
	91	71	69	65	63	65	65	61	57	70	58.5
30°	0	60	63	65	64	65	66	63	60	72	60.5
	45	61	64	64	64	67	69	65	60	73	61.5
	90	61	66	65	63	65	69	66	63	73	61.5
40-10°	0	58	61	63	64	63	62	60	58	69	57.5
	30	58	61	63	63	62	60	60	59	68	56.5
	77	61	65	71	68	63	61	59	58	70	58.5
45-35°	1	61	64	66	67	68	69	66	61	74	62.5
	29	61	63	66	66	67	70	67	64	75	63.5
	75	61	63	66	65	65	69	67	64	74	62.5
45°	1	63	66	69	69	70	73	70	65	77	65.5
	45	71	71	71	69	69	71	69	65	76	64.5
	91	78	73	70	68	68	68	64	60	74	62.5

RA-500-325-225-4 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

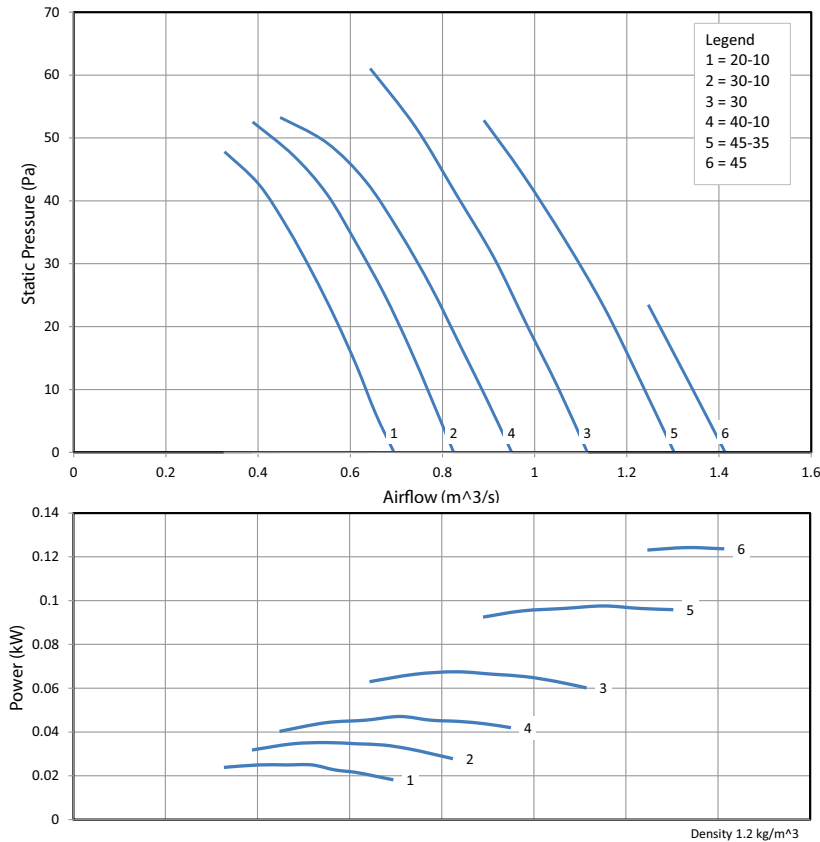


Blade Pitch	FEG
10	75
15-15	80
20-20	85
30-20	80
40-20	80
40-30	80
40-40	75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	0	53	61	54	55	56	53	48	43	60	48.5
	27	53	59	63	62	57	54	50	45	63	51.5
	54	61	61	57	57	61	60	56	51	66	54.5
20°	0	54	60	56	55	55	53	51	48	60	48.5
	27	56	58	55	54	56	56	53	50	62	50.5
	54	58	62	63	61	61	60	56	52	66	54.5
40-20°	0	55	58	58	58	57	55	54	52	62	50.5
	27	54	56	57	56	56	57	55	53	62	50.5
	54	57	59	61	60	61	60	57	54	66	54.5
40-30°	0	55	58	60	59	59	60	56	52	65	53.5
	26	55	57	59	59	61	61	57	52	66	54.5
	54	55	59	58	57	59	62	59	55	66	54.5
40°	1	56	59	61	61	63	64	59	54	69	57.5
	17	55	59	61	61	62	64	60	56	69	57.5
	44	56	60	61	59	60	63	60	57	68	56.5

RA-500-325-225-4 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

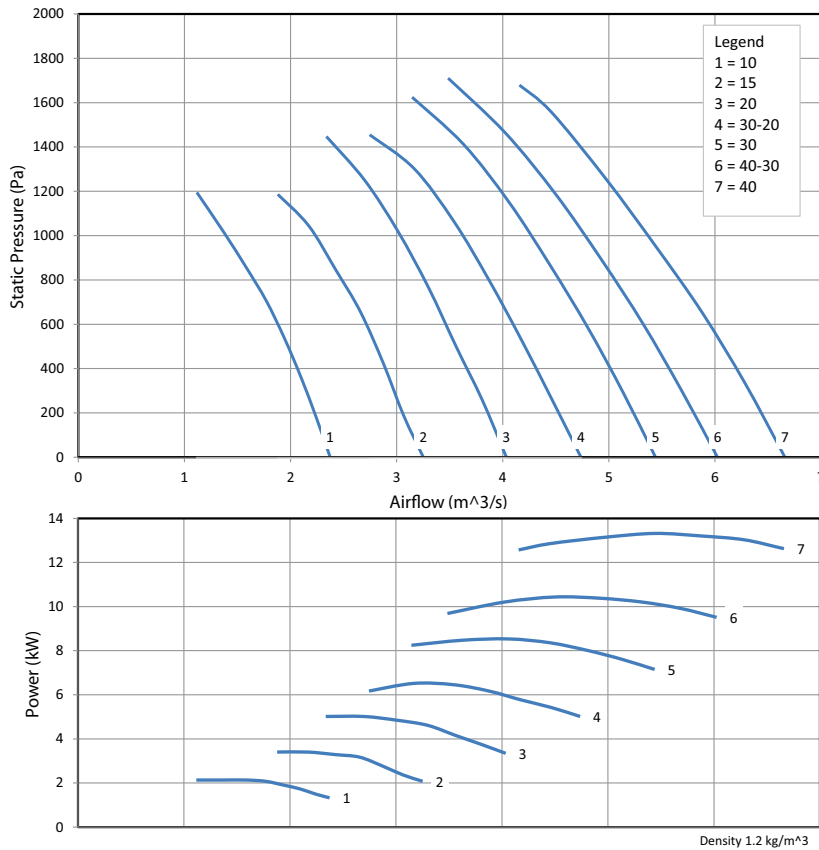


Blade Pitch	FEG
20-10	80
30-10	80
30-30	80
40-10	80
45-35	75
45-45	67

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	0	54	58	56	55	55	53	49	46	59	47.5
	27	53	56	55	54	54	53	51	48	59	47.5
	54	66	62	58	57	60	58	54	49	64	52.5
30°	0	55	59	59	59	60	60	56	53	65	53.5
	26	56	59	59	59	63	62	58	53	67	55.5
	53	57	61	58	58	61	63	59	56	67	55.5
40-10°	0	53	56	58	58	57	56	54	52	63	51.5
	18	54	56	57	57	56	54	54	53	62	50.5
	46	57	62	65	60	56	55	53	52	63	51.5
45-35°	0	56	60	61	61	63	63	58	54	68	56.5
	17	56	59	61	61	62	64	60	56	69	57.5
	45	56	59	60	59	60	63	60	57	68	56.5
45°	0	58	61	63	63	65	67	62	58	71	59.5
	26	65	65	65	63	64	65	62	58	70	58.5
	54	71	66	64	62	62	62	57	52	67	55.5

RA-500-325-225-6 (3500 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

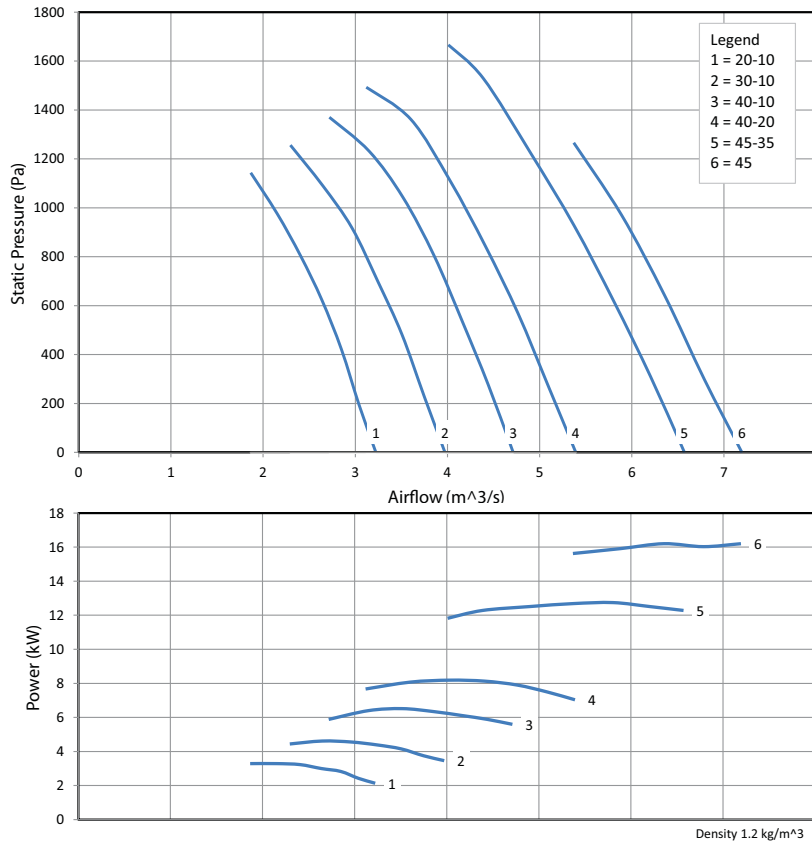


Blade Pitch	FEG
10	71
15-15	80
20-20	85
30-20	80
30-30	80
40-30	80
40-40	75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	0	78	78	86	94	89	91	92	89	98	86.5
	789	81	81	89	94	101	99	92	88	104	92.5
	1558	88	88	96	94	91	90	94	94	100	88.5
20°	0	83	83	91	95	91	90	91	88	98	86.5
	789	80	80	88	93	89	88	91	90	97	85.5
	1393	87	87	94	97	99	95	94	93	103	91.5
40-20°	10	92	92	91	93	93	94	93	91	100	88.5
	584	86	86	93	94	92	92	92	91	99	87.5
	1373	88	88	92	95	95	94	94	94	101	89.5
40-30°	10	93	93	93	95	93	95	94	95	101	89.5
	789	88	88	93	95	93	95	95	97	102	90.5
	1529	88	88	93	95	94	94	97	99	103	91.5
40°	10	93	93	94	96	96	97	99	100	105	93.5
	808	89	89	93	96	95	96	99	101	105	93.5
	1558	89	89	93	96	95	95	97	101	104	92.5

RA-500-325-225-6 (3500 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

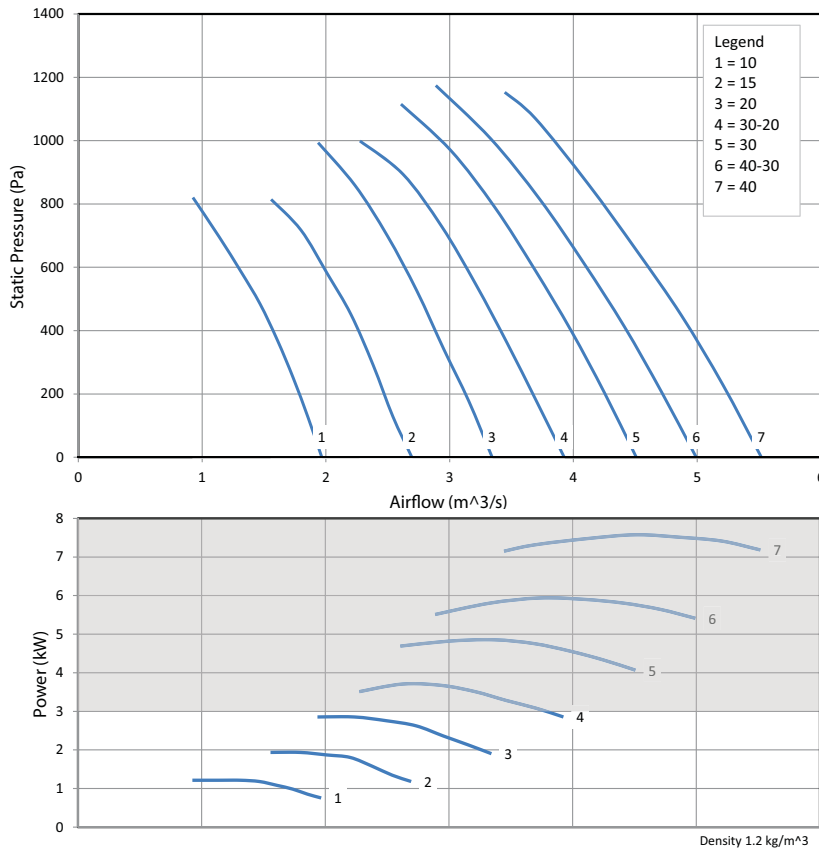


Blade Pitch	FEG
20-10	75
30-10	80
40-10	80
40-20	80
45-35	75
45-45	75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	0	54	58	56	55	55	53	49	46	59	47.5
	27	53	56	55	54	54	53	51	48	59	47.5
	54	66	62	58	57	60	58	54	49	64	52.5
30°	0	55	59	59	59	60	60	56	53	65	53.5
	26	56	59	59	59	63	62	58	53	67	55.5
	53	57	61	58	58	61	63	59	56	67	55.5
40-10°	0	53	56	58	58	57	56	54	52	63	51.5
	18	54	56	57	57	56	54	54	53	62	50.5
	46	57	62	65	60	56	55	53	52	63	51.5
45-35°	0	56	60	61	61	63	63	58	54	68	56.5
	17	56	59	61	61	62	64	60	56	69	57.5
	45	56	59	60	59	60	63	60	57	68	56.5
45°	0	58	61	63	63	65	67	62	58	71	59.5
	26	65	65	65	63	64	65	62	58	70	58.5
	54	71	66	64	62	62	62	57	52	67	55.5

RA-500-325-225-6 (2900 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

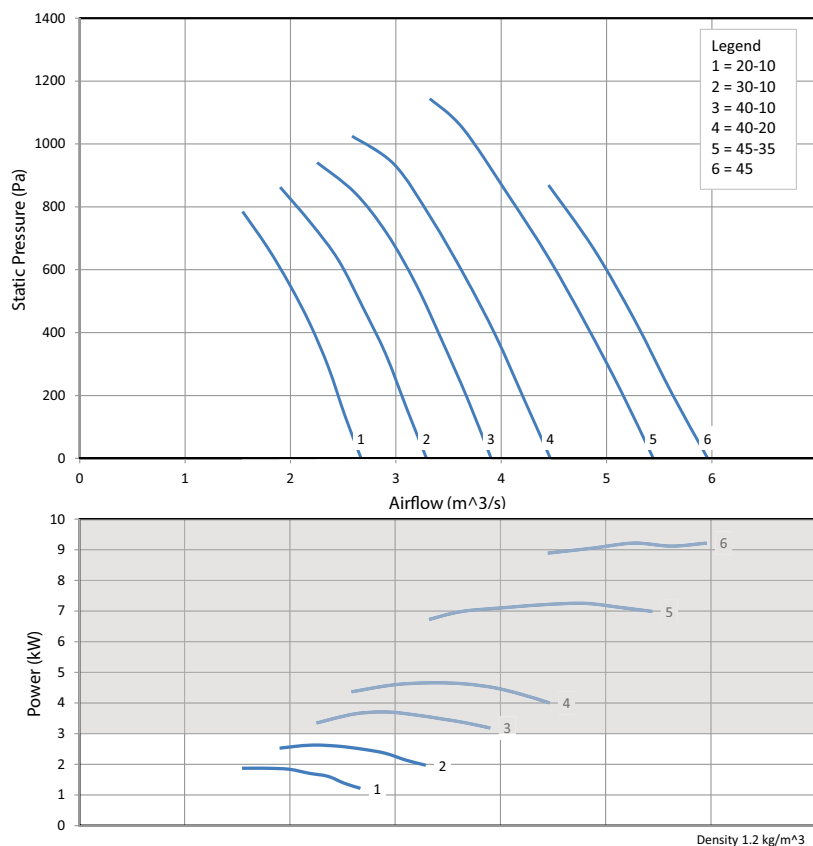


Blade Pitch	FEG
10	71
15-15	80
20-20	85
30-20	80
30-30	80
40-30	80
40-40	75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	0	74	76	84	88	85	87	87	83	93	81.5
	542	77	79	86	92	96	93	87	83	99	87.5
	1070	84	86	92	89	87	87	90	88	95	83.5
20°	0	79	81	88	90	87	86	86	83	94	82.5
	542	76	78	86	88	85	84	86	85	93	81.5
	956	83	85	90	93	94	91	90	88	98	86.5
40-20°	7	88	88	88	89	89	89	88	87	96	84.5
	515	82	83	86	88	88	88	88	88	95	83.5
	943	84	85	89	91	91	90	90	90	97	85.5
40-30°	7	89	89	89	90	90	90	90	90	97	85.5
	542	84	85	90	90	89	91	92	92	98	86.5
	1050	84	85	90	91	90	91	94	94	99	87.5
40°	7	89	89	90	92	92	93	95	94	100	88.5
	555	85	86	90	91	91	93	96	96	101	89.5
	1070	85	86	89	91	91	91	94	95	100	88.5

RA-500-325-225-6 (2900 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).



Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

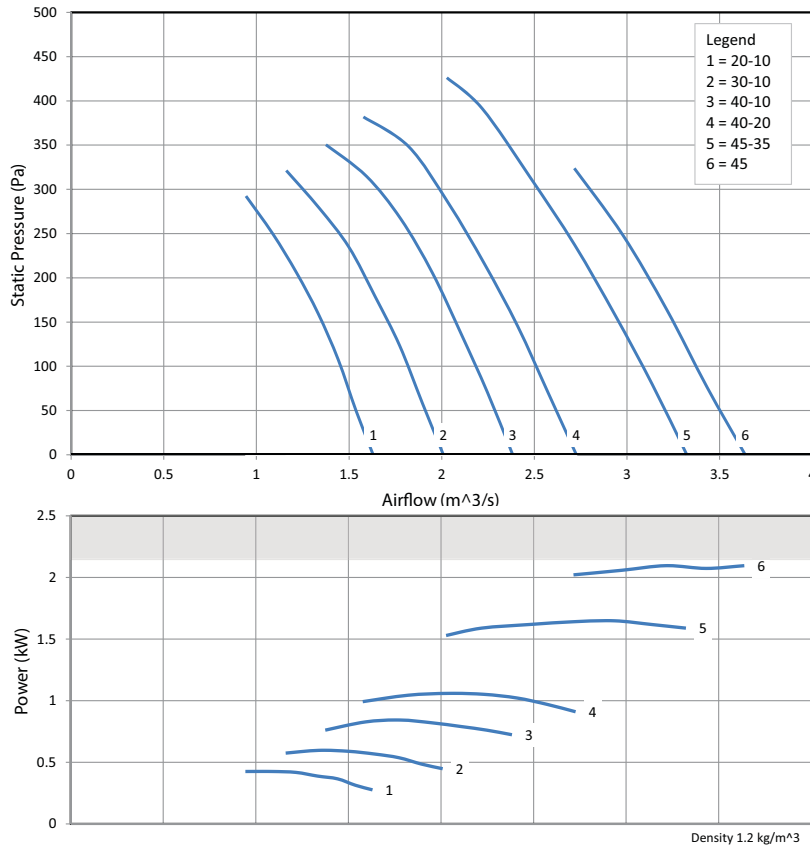


Blade Pitch	FEG
20-10	75
30-10	80
40-10	80
40-20	80
45-35	75
45-45	75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	0	75	78	86	89	88	87	87	84	94	82.5
	542	78	80	87	91	95	92	88	84	98	86.5
	936	88	91	98	92	91	89	91	88	98	86.5
30°	7	86	86	88	89	88	89	89	87	95	83.5
	535	82	84	89	89	87	89	92	91	97	85.5
	929	82	84	90	91	89	90	94	92	98	86.5
40-10°	0	85	85	87	89	91	92	90	89	98	86.5
	535	80	82	87	88	88	88	87	86	95	83.5
	929	94	94	96	97	95	92	88	86	100	88.5
45-35°	7	91	90	89	91	91	92	92	93	99	87.5
	528	86	87	91	91	91	93	94	94	100	88.5
	943	84	85	88	90	91	92	94	95	100	88.5
45°	7	92	91	91	94	94	95	97	98	103	91.5
	535	88	89	91	93	93	94	96	97	102	90.5
	929	90	90	90	92	93	93	94	96	101	89.5

RA-500-325-225-6 (1770 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
1770 RPM	0	63	71	79	74	76	77	74	69	82	70.5
	202	66	74	79	86	84	77	73	69	88	76.5
	399	73	81	79	76	75	79	79	74	85	73.5
20°	0	68	76	81	77	75	76	73	71	82	70.5
	202	65	73	79	74	73	76	75	72	82	70.5
	356	72	79	82	84	81	79	79	75	87	75.5
40-20°	2	77	77	78	78	79	78	77	76	85	73.5
	192	72	75	77	77	77	77	78	77	84	72.5
	351	73	77	80	80	79	79	79	77	86	74.5
40-30°	2	78	78	80	78	80	79	80	78	86	74.5
	202	73	78	80	78	80	80	82	79	88	76.5
	391	73	78	80	79	79	82	85	80	89	77.5
40°	2	78	79	82	81	82	84	85	80	90	78.5
	207	74	78	81	80	81	84	87	81	91	79.5
	399	75	78	81	81	80	82	86	81	90	78.5



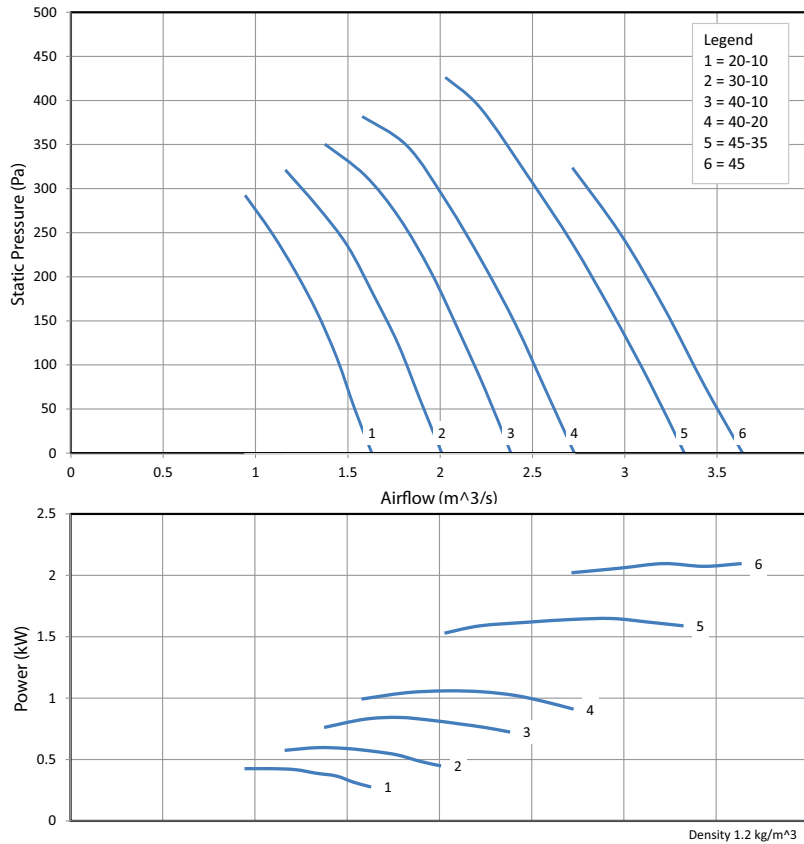
Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.



Blade Pitch	FEG
10	71
15-15	80
20-20	85
30-20	80
30-30	80
40-30	80
40-40	75

RA-500-325-225-6 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

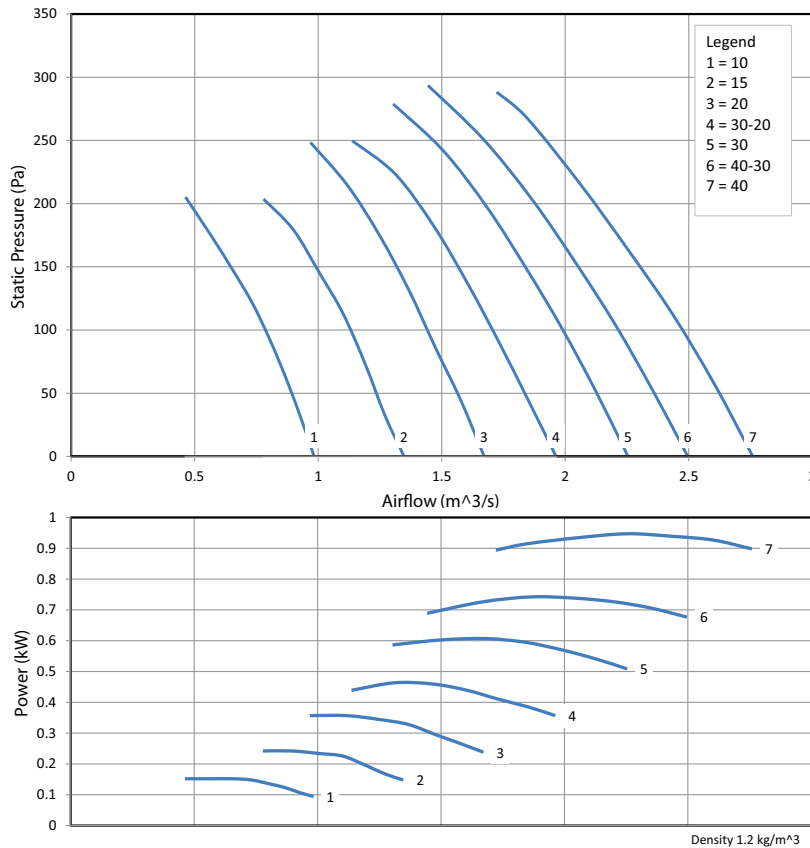


Blade Pitch	FEG
20-10	75
30-10	80
40-10	80
40-20	80
45-35	75
45-45	75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	0	64	74	79	77	76	77	75	70	83	71.5
	202	67	75	79	85	82	78	74	70	87	75.5
	349	78	87	81	81	77	80	79	74	86	74.5
30°	2	76	76	79	77	77	79	78	74	85	73.5
	199	71	77	79	77	77	81	82	77	87	75.5
	346	72	79	81	79	78	83	83	78	88	76.5
40-10°	0	75	75	78	80	82	80	79	76	87	75.5
	199	70	75	78	77	78	77	76	75	84	72.5
	346	83	84	86	85	82	78	76	74	87	75.5
45-35°	2	80	78	80	80	82	81	83	79	88	76.5
	197	76	80	81	79	82	82	84	80	89	77.5
	351	74	76	79	80	81	82	86	81	90	78.5
45°	2	81	80	83	83	84	86	88	84	93	81.5
	199	77	79	82	82	83	84	87	83	92	80.5
	346	80	79	82	82	82	82	86	83	91	79.5

RA-500-325-225-6 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

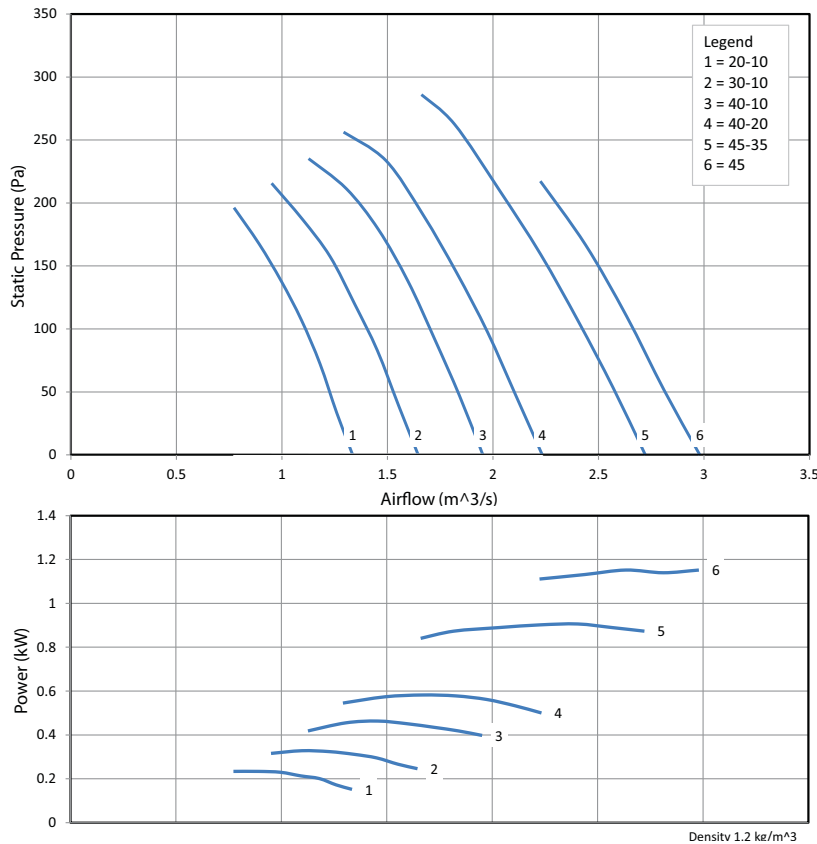


Blade Pitch	FEG
10	71
15-15	80
20-20	85
30-20	80
30-30	80
40-30	80
40-40	75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	0	61	69	73	70	72	72	68	64	77	65.5
	136	64	71	77	81	78	72	68	63	82	70.5
	268	71	77	74	72	72	75	73	69	80	68.5
20°	0	66	73	75	72	71	71	68	65	77	65.5
	136	63	71	73	70	69	71	70	66	77	65.5
	239	70	75	78	79	76	75	73	69	82	70.5
40-20°	2	73	73	74	74	74	73	72	71	80	68.5
	129	68	71	73	72	73	73	73	72	80	68.5
	236	70	74	76	76	75	75	75	73	82	70.5
40-30°	2	74	74	75	75	75	75	75	72	82	70.5
	136	70	75	75	74	76	77	77	73	83	71.5
	263	70	75	76	75	76	79	79	74	84	72.5
40°	2	74	75	77	77	78	80	79	74	85	73.5
	139	71	75	76	76	78	81	81	75	86	74.5
	268	71	74	76	76	76	79	80	76	85	73.5

RA-500-325-225-6 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).



Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

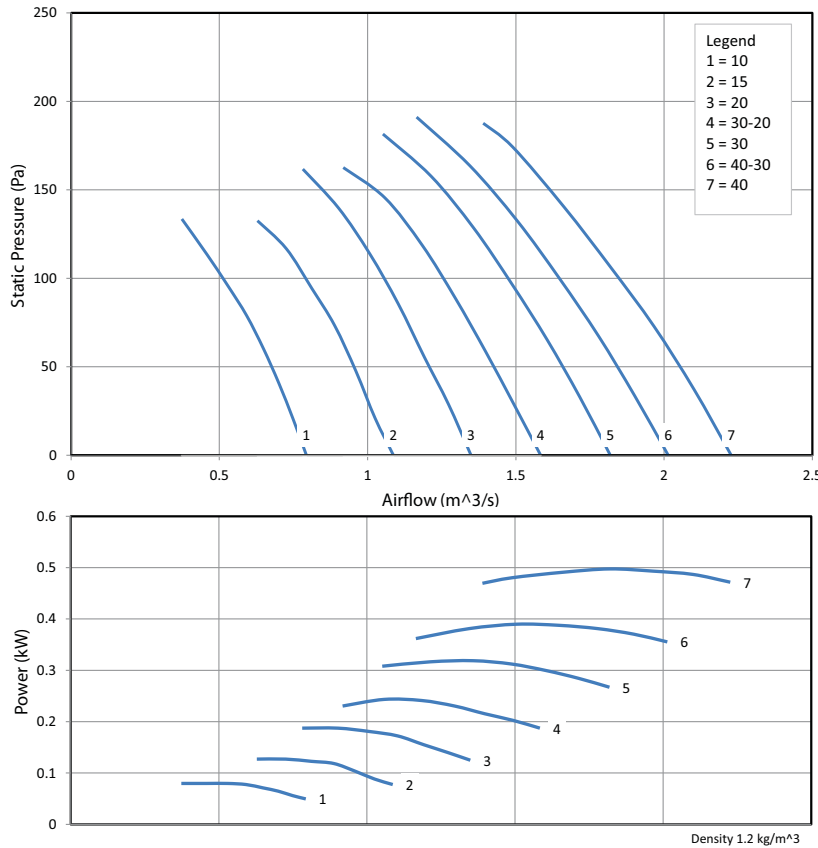


Blade Pitch	FEG
20-10	75
30-10	80
40-10	80
40-20	80
45-35	75
45-45	75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	0	63	71	74	73	72	72	69	64	78	66.5
	136	65	72	76	80	77	73	69	64	81	69.5
	234	76	83	77	76	74	76	73	69	81	69.5
30°	2	71	73	74	73	73	74	72	68	80	68.5
	134	69	74	74	72	74	77	76	71	82	70.5
	232	69	75	76	74	75	79	77	72	83	71.5
40-10°	0	70	71	74	76	77	75	74	71	82	70.5
	134	67	72	73	73	73	72	71	70	79	67.5
	232	79	81	82	80	76	73	71	69	82	70.5
45-35°	2	75	74	76	76	77	77	78	74	84	72.5
	132	72	76	76	75	78	79	79	74	85	73.5
	236	70	73	75	76	77	79	80	76	85	73.5
45°	2	76	76	78	79	80	82	83	78	88	76.5
	134	74	76	78	78	79	80	82	78	87	75.5
	232	75	75	77	78	78	79	81	77	86	74.5

RA-500-325-225-6 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

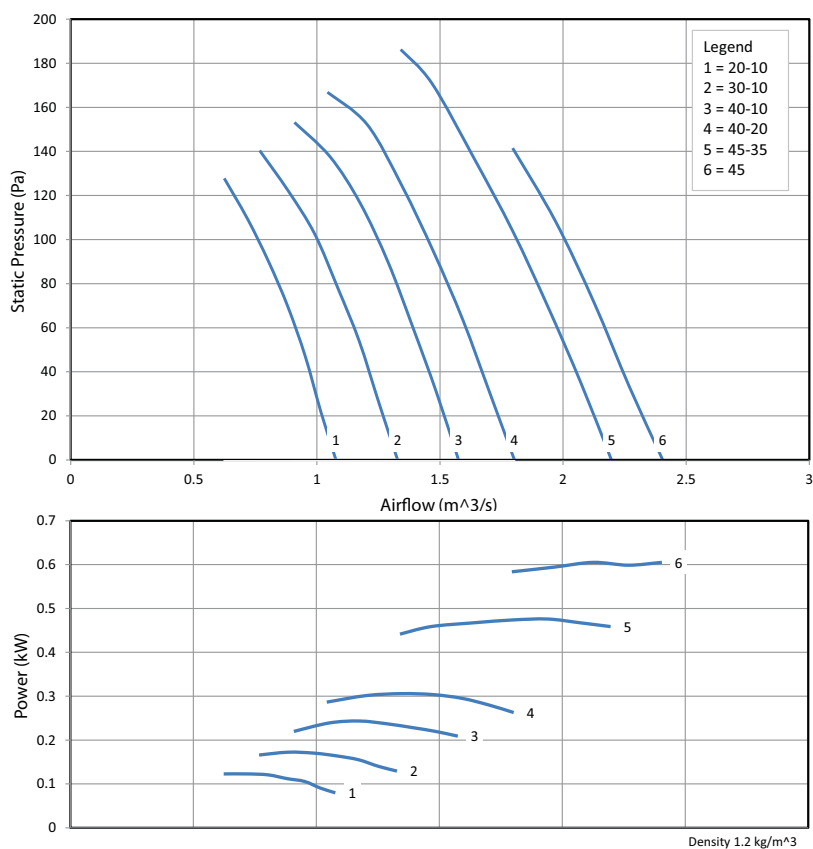


Blade Pitch	FEG
10	71
15-15	80
20-20	85
30-20	80
30-30	80
40-30	80
40-40	75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	5	74	72	79	84	78	71	69	62	83	71.5
	127	78	73	78	84	82	71	66	60	85	73.5
	244	82	80	81	82	75	64	62	56	81	69.5
15°	5	79	76	82	85	75	69	68	63	83	71.5
	184	84	75	81	84	72	66	64	59	82	70.5
	311	87	81	88	88	80	70	64	61	87	75.5
25°	7	84	78	78	79	77	70	67	64	81	69.5
	187	89	79	78	78	75	69	66	64	79	67.5
	371	87	80	79	79	77	69	66	66	81	69.5
35°	7	89	82	83	84	81	74	70	69	85	73.5
	184	90	81	82	82	80	73	69	69	84	72.5
	314	89	82	84	82	80	73	70	69	84	72.5
45°	10	91	84	86	87	85	79	74	74	89	77.5
	187	91	86	87	87	84	78	74	72	89	77.5
	304	96	92	90	88	85	79	73	70	90	78.5

RA-500-325-225-6 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

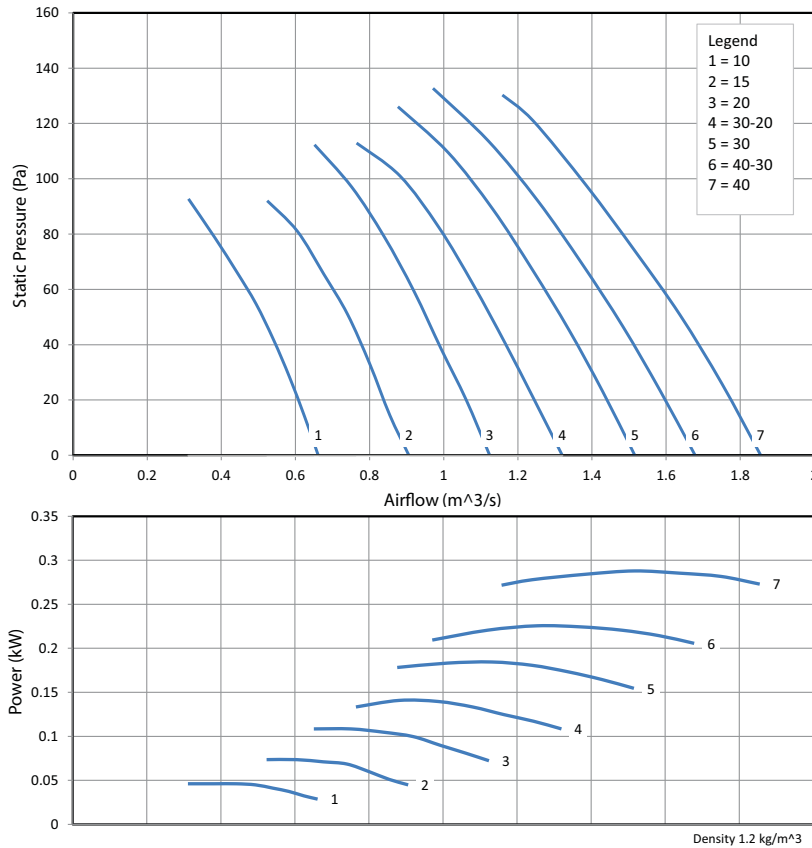


Blade Pitch	FEG
20-10	75
30-10	80
40-10	80
40-20	80
45-35	75
45-45	75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	5	73	75	80	81	81	73	71	62	84	72.5
	189	74	76	79	82	82	71	67	61	84	72.5
	304	82	86	79	79	76	66	62	57	80	68.5
15°	7	74	75	79	77	77	71	70	63	81	69.5
	187	75	73	77	75	75	68	66	62	78	66.5
	411	84	90	83	83	78	69	64	61	84	72.5
25°	7	80	77	81	80	78	72	70	65	82	70.5
	249	83	78	81	78	76	69	66	63	80	68.5
	436	87	77	79	78	78	69	66	65	81	69.5
35°	10	87	83	85	85	82	76	72	69	86	74.5
	244	89	82	84	83	81	73	70	68	85	73.5
	523	92	95	97	105	92	84	80	77	103	91.5
45°	7	92	85	87	89	87	80	76	75	91	79.5
	179	93	85	87	88	86	79	74	74	90	78.5
	344	94	87	89	88	85	79	74	71	90	78.5

RA-500-325-225-6 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

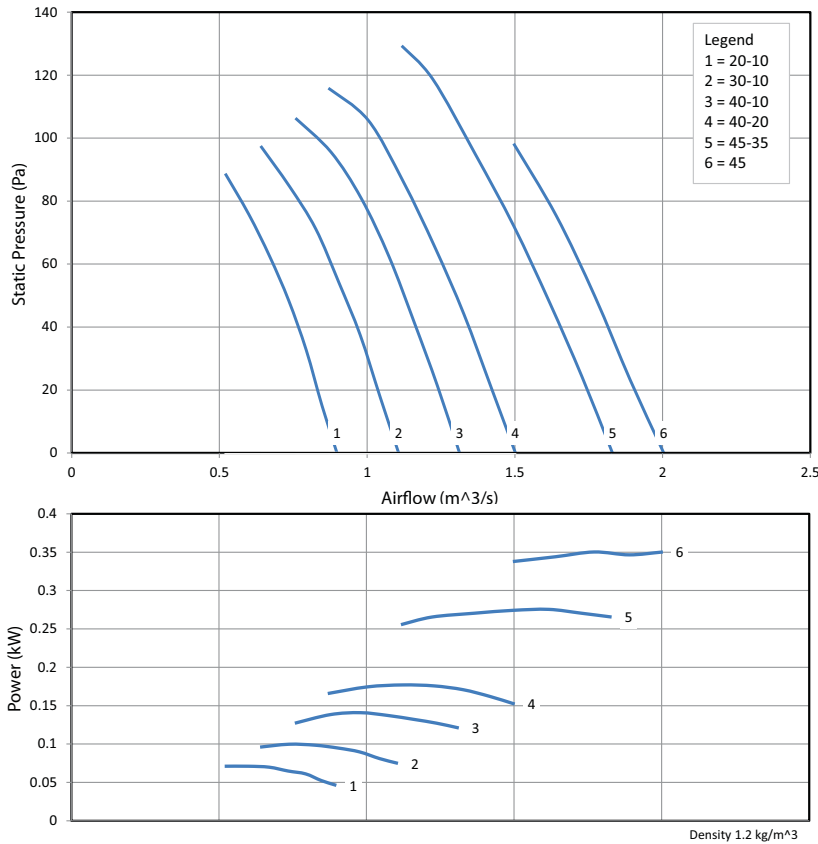


Blade Pitch	FEG
10	71
15-15	80
20-20	85
30-20	80
30-30	80
40-30	80
40-40	75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	5	74	72	79	84	78	71	69	62	83	71.5
	127	78	73	78	84	82	71	66	60	85	73.5
	244	82	80	81	82	75	64	62	56	81	69.5
15°	5	79	76	82	85	75	69	68	63	83	71.5
	184	84	75	81	84	72	66	64	59	82	70.5
	311	87	81	88	88	80	70	64	61	87	75.5
25°	7	84	78	78	79	77	70	67	64	81	69.5
	187	89	79	78	78	75	69	66	64	79	67.5
	371	87	80	79	79	77	69	66	66	81	69.5
35°	7	89	82	83	84	81	74	70	69	85	73.5
	184	90	81	82	82	80	73	69	69	84	72.5
	314	89	82	84	82	80	73	70	69	84	72.5
45°	10	91	84	86	87	85	79	74	74	89	77.5
	187	91	86	87	87	84	78	74	72	89	77.5
	304	96	92	90	88	85	79	73	70	90	78.5

RA-500-325-225-6 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

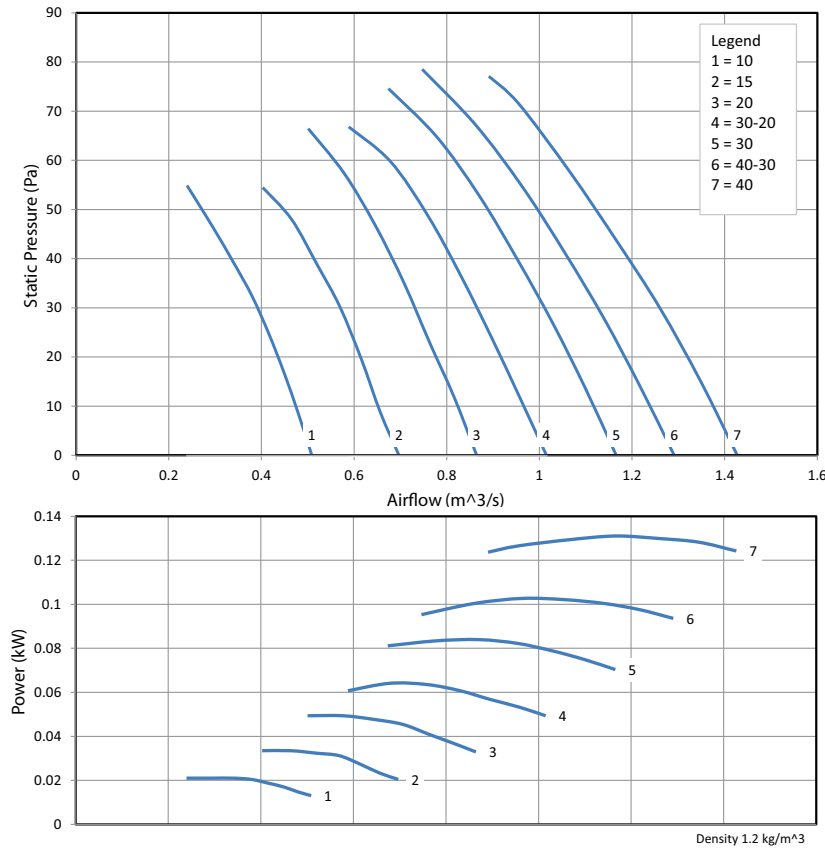


Blade Pitch	FEG
20-10	75
30-10	80
40-10	80
40-20	80
45-35	75
45-45	75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	5	73	75	80	81	81	73	71	62	84	72.5
	189	74	76	79	82	82	71	67	61	84	72.5
	304	82	86	79	79	76	66	62	57	80	68.5
15°	7	74	75	79	77	77	71	70	63	81	69.5
	187	75	73	77	75	75	68	66	62	78	66.5
	411	84	90	83	83	78	69	64	61	84	72.5
25°	7	80	77	81	80	78	72	70	65	82	70.5
	249	83	78	81	78	76	69	66	63	80	68.5
	436	87	77	79	78	78	69	66	65	81	69.5
35°	10	87	83	85	85	82	76	72	69	86	74.5
	244	89	82	84	83	81	73	70	68	85	73.5
	523	92	95	97	105	92	84	80	77	103	91.5
45°	7	92	85	87	89	87	80	76	75	91	79.5
	179	93	85	87	88	86	79	74	74	90	78.5
	344	94	87	89	88	85	79	74	71	90	78.5

RA-500-325-225-6 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

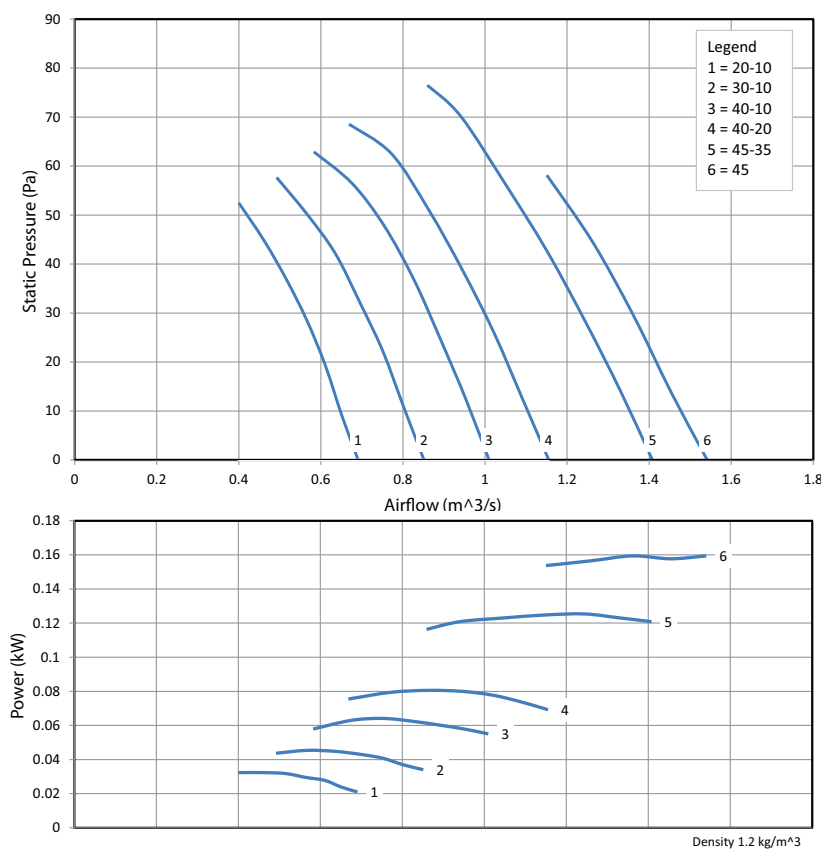


Blade Pitch	FEG
10	71
15-15	80
20-20	85
30-20	80
30-30	80
40-30	80
40-40	75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	0	54	59	56	57	57	54	49	45	61	49.5
	36	57	62	67	64	58	53	49	44	65	53.5
	71	63	60	57	57	60	59	55	50	65	53.5
20°	0	59	61	58	57	57	54	51	48	61	49.5
	36	56	59	55	55	57	56	52	49	62	50.5
	64	61	64	64	62	60	59	55	51	66	54.5
40-20°	0	58	60	59	60	59	58	57	56	65	53.5
	34	57	58	58	58	59	59	58	57	65	53.5
	63	59	61	61	60	60	60	58	56	67	55.5
40-30°	0	60	61	60	61	60	61	58	56	67	55.5
	36	60	61	60	61	62	63	59	55	68	56.5
	70	60	61	61	62	64	65	60	55	70	58.5
40°	0	61	63	62	64	65	65	60	55	70	58.5
	37	60	62	62	63	66	67	61	55	71	59.5
	71	60	62	62	62	64	66	62	57	71	59.5

RA-500-325-225-6 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

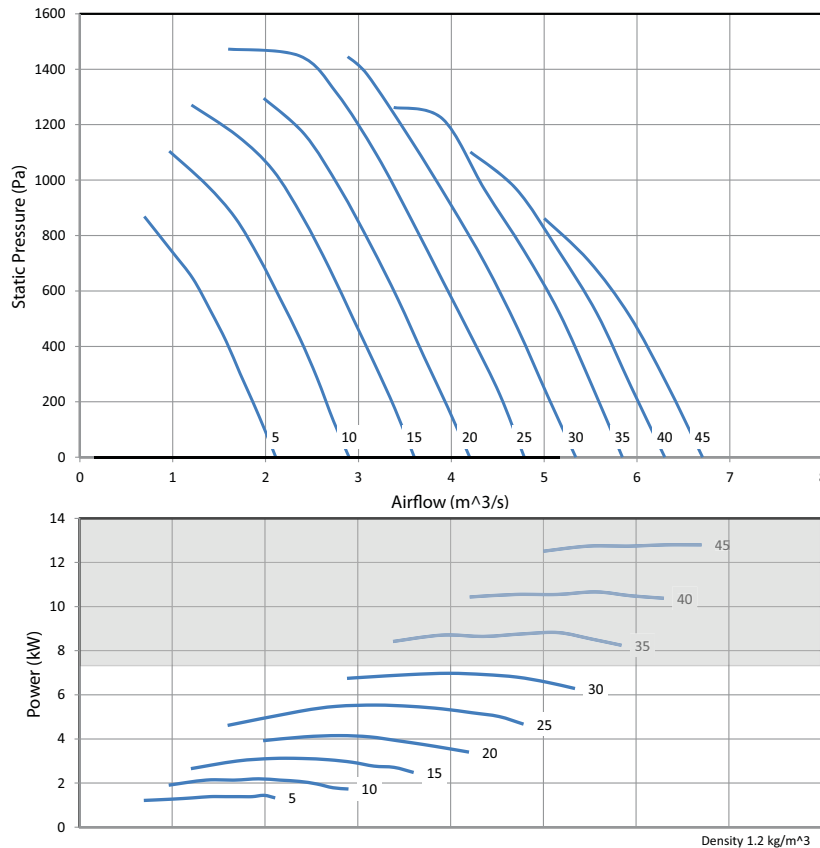


Blade Pitch	FEG
20-10	75
30-10	80
40-10	80
40-20	80
45-35	75
45-45	75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	0	57	60	58	57	58	55	50	45	62	50.5
	36	57	62	66	63	59	55	50	46	64	52.5
	63	69	62	61	59	61	59	54	50	65	53.5
30°	0	58	60	58	59	60	58	54	50	64	52.5
	36	59	60	58	59	62	62	57	52	67	55.5
	62	61	62	60	60	64	63	58	53	68	56.5
40-10°	0	57	60	62	63	61	59	57	55	66	54.5
	36	57	59	59	59	58	57	56	55	64	52.5
	62	66	67	66	62	59	57	55	52	65	53.5
45-35°	0	60	61	62	63	63	63	60	57	69	57.5
	35	61	62	61	63	64	65	60	56	70	58.5
	63	58	61	62	62	64	66	62	57	70	58.5
45°	0	62	64	64	66	68	68	64	60	73	61.5
	36	62	64	63	64	66	68	64	59	72	60.5
	62	61	63	64	64	65	67	63	59	71	59.5

RA-500-325-190-4 (3500 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

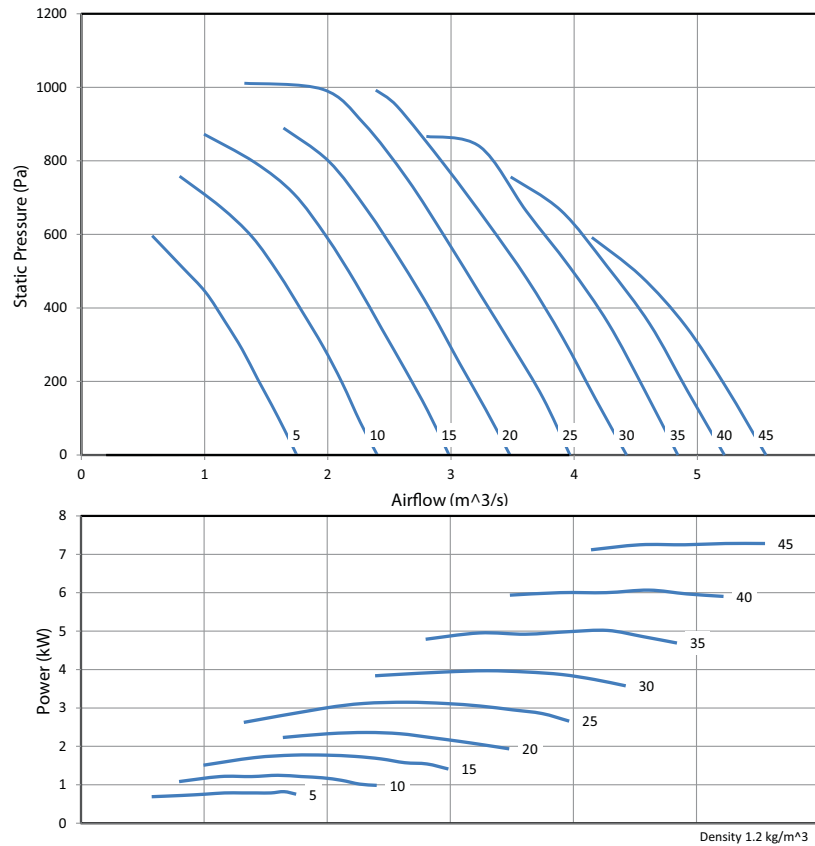


FEG 75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	19	89	89	87	94	98	93	86	84	101	89.5
	497	93	93	88	93	99	97	86	81	102	90.5
	955	97	97	95	96	97	90	79	77	99	87.5
15°	19	93	93	91	96	100	90	84	82	101	89.5
	721	99	99	90	95	99	87	81	78	100	88.5
	1218	102	102	96	103	103	95	85	79	105	93.5
25°	29	98	98	92	93	93	91	85	82	98	86.5
	731	103	103	93	93	92	90	84	81	97	85.5
	1452	102	102	95	94	94	92	84	81	98	86.5
35°	29	104	104	97	98	98	96	89	85	102	90.5
	721	105	105	96	97	97	95	87	84	101	89.5
	1228	103	103	97	98	97	94	88	84	101	89.5
45°	39	106	106	99	101	102	100	93	89	106	94.5
	731	106	106	101	102	102	99	93	89	106	94.5
	1189	111	111	107	105	103	100	93	88	108	96.5

RA-500-325-190-4 (2900 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

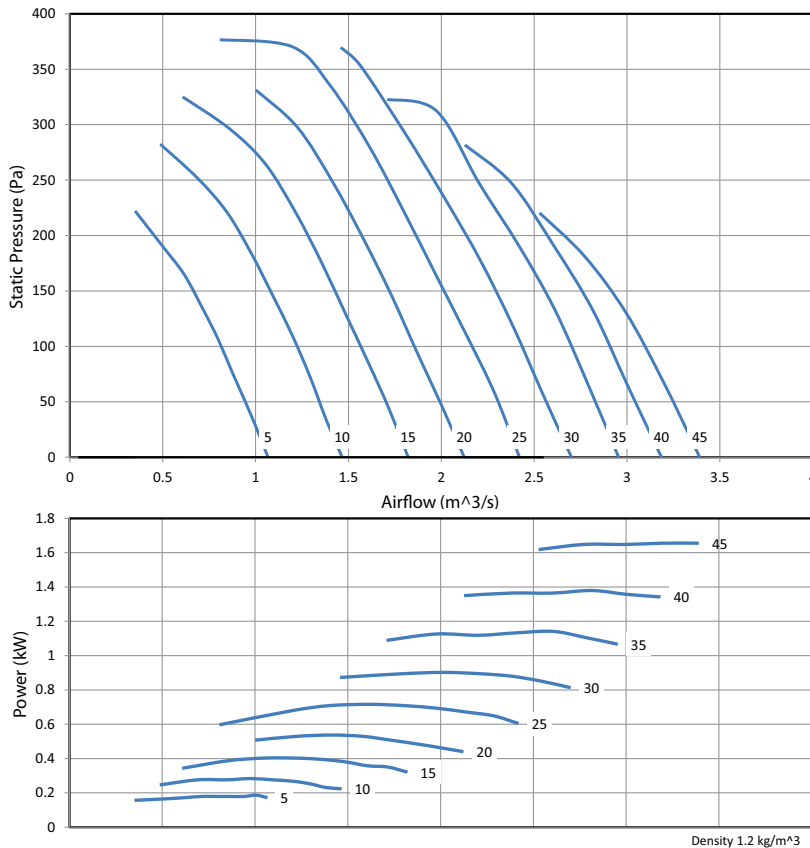


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	13	85	85	85	91	93	87	81	78	95	83.5
	341	88	87	85	91	95	90	80	75	97	85.5
	656	92	92	91	92	91	83	74	71	94	82.5
15°	13	89	88	88	93	93	84	80	77	96	84.5
	495	95	93	87	92	91	81	76	73	94	82.5
	836	98	96	94	99	97	88	79	74	100	88.5
25°	20	94	93	89	89	89	85	80	77	93	81.5
	502	99	97	89	88	88	84	79	76	92	80.5
	997	98	96	91	90	89	86	79	77	93	81.5
35°	20	100	98	93	94	94	90	84	81	97	85.5
	495	100	98	92	93	92	88	82	80	96	84.5
	843	99	97	93	94	92	89	83	80	97	85.5
45°	27	102	100	95	97	97	94	88	85	101	89.5
	502	102	101	97	98	97	93	87	84	101	89.5
	816	107	106	103	100	98	94	88	83	103	91.5

RA-500-325-190-4 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

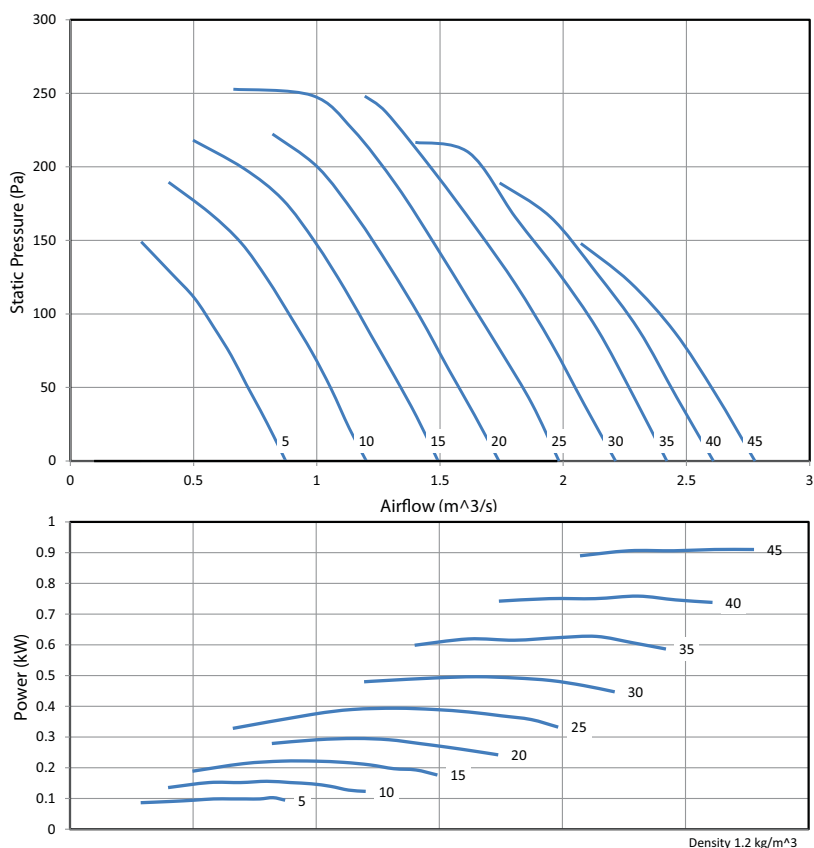


FEG 75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	19	89	89	87	94	98	93	86	84	101	89.5
	497	93	93	88	93	99	97	86	81	102	90.5
	955	97	97	95	96	97	90	79	77	99	87.5
15°	19	93	93	91	96	100	90	84	82	101	89.5
	721	99	99	90	95	99	87	81	78	100	88.5
	1218	102	102	96	103	103	95	85	79	105	93.5
25°	29	98	98	92	93	93	91	85	82	98	86.5
	731	103	103	93	93	92	90	84	81	97	85.5
	1452	102	102	95	94	94	92	84	81	98	86.5
35°	29	104	104	97	98	98	96	89	85	102	90.5
	721	105	105	96	97	97	95	87	84	101	89.5
	1228	103	103	97	98	97	94	88	84	101	89.5
45°	39	106	106	99	101	102	100	93	89	106	94.5
	731	106	106	101	102	102	99	93	89	106	94.5
	1189	111	111	107	105	103	100	93	88	108	96.5

RA-500-325-190-4 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).



Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

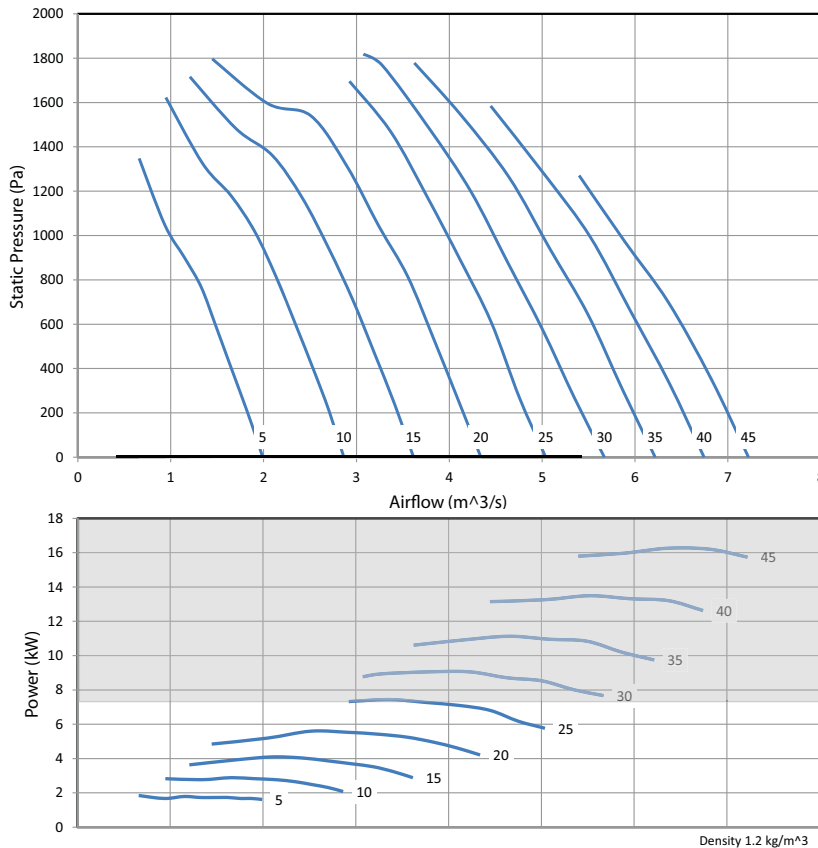


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	13	85	85	85	91	93	87	81	78	95	83.5
	341	88	87	85	91	95	90	80	75	97	85.5
	656	92	92	91	92	91	83	74	71	94	82.5
15°	13	89	88	88	93	93	84	80	77	96	84.5
	495	95	93	87	92	91	81	76	73	94	82.5
	836	98	96	94	99	97	88	79	74	100	88.5
25°	20	94	93	89	89	89	85	80	77	93	81.5
	502	99	97	89	88	88	84	79	76	92	80.5
	997	98	96	91	90	89	86	79	77	93	81.5
35°	20	100	98	93	94	94	90	84	81	97	85.5
	495	100	98	92	93	92	88	82	80	96	84.5
	843	99	97	93	94	92	89	83	80	97	85.5
45°	27	102	100	95	97	97	94	88	85	101	89.5
	502	102	101	97	98	97	93	87	84	101	89.5
	816	107	106	103	100	98	94	88	83	103	91.5

RA-500-325-190-6 (3500 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	19	88	88	90	94	95	96	88	85	100	88.5
	741	89	89	91	94	97	96	86	81	101	89.5
	1189	97	97	101	94	94	90	81	77	98	86.5
15°	29	89	89	90	94	92	92	86	85	98	86.5
	984	94	94	88	91	90	89	81	80	95	83.5
	1608	99	99	105	98	98	93	83	79	102	90.5
25°	29	95	95	92	95	95	93	87	84	99	87.5
	974	98	98	93	95	93	91	84	80	98	86.5
	1705	101	101	92	94	93	93	84	81	98	86.5
35°	39	102	102	98	100	100	97	91	87	104	92.5
	955	104	104	97	99	98	96	88	85	103	91.5
	2046	106	106	109	112	120	107	98	95	121	109.5
45°	29	107	107	100	102	104	101	95	91	107	95.5
	701	108	108	100	102	103	101	94	89	107	95.5
	1345	109	109	102	104	103	100	93	89	107	95.5



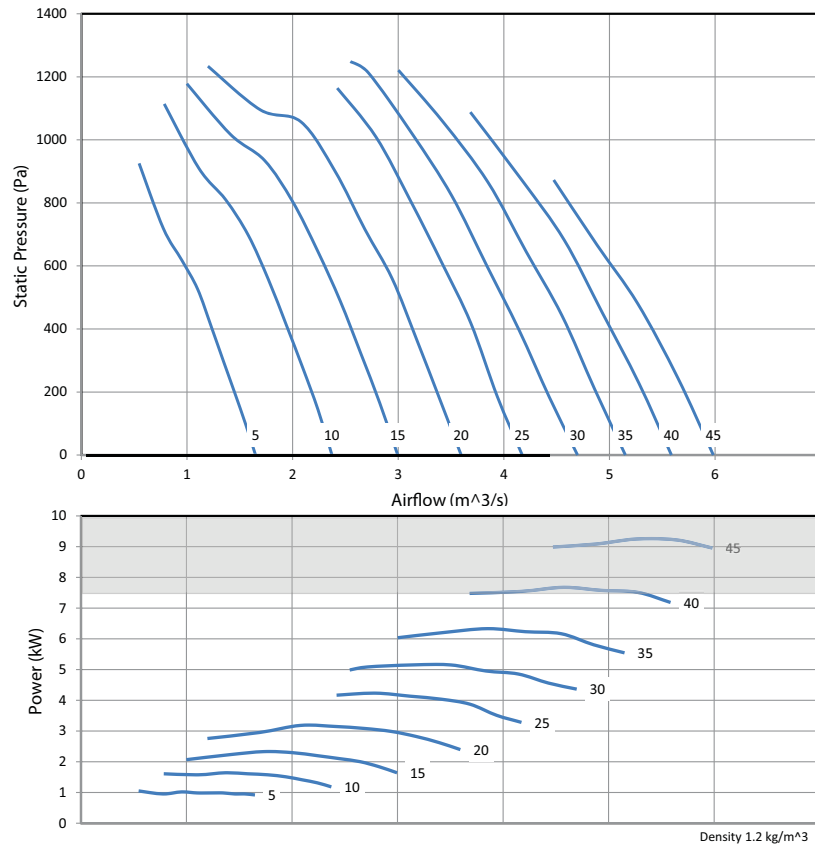
Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.



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RA-500-325-190-6 (2900 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

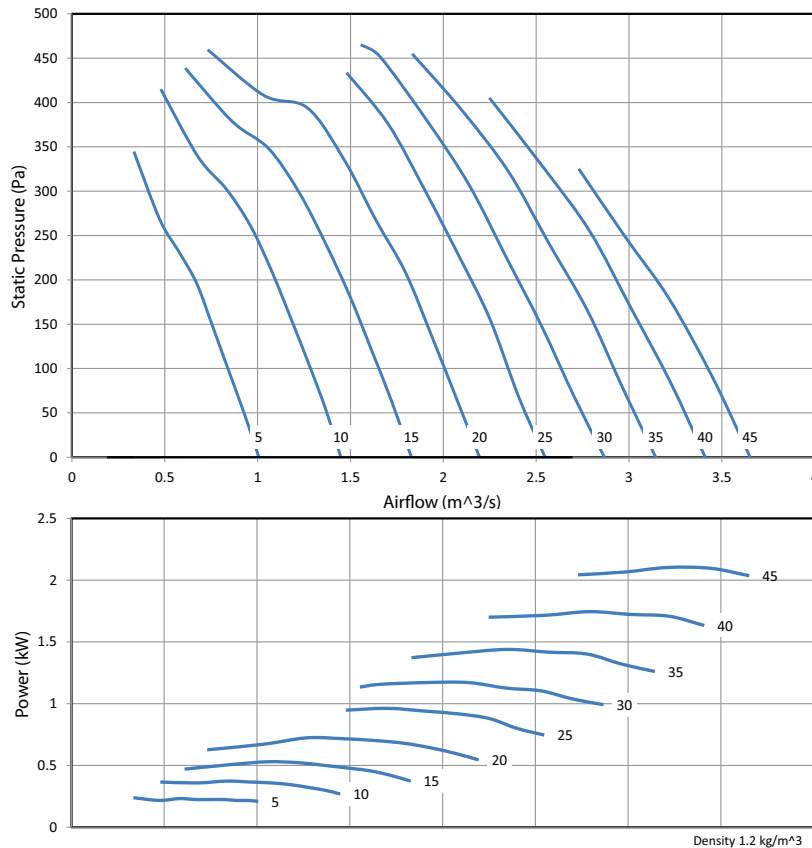


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	13	84	84	87	91	91	89	83	79	95	83.5
	508	85	86	88	91	93	89	81	76	96	84.5
	816	93	94	96	90	89	84	75	71	94	82.5
15°	20	84	85	87	90	88	86	82	79	93	81.5
	502	86	85	85	87	86	84	78	76	90	78.5
	1104	95	97	101	94	92	86	78	74	97	85.5
25°	20	91	90	89	91	90	87	82	79	94	82.5
	669	94	92	89	91	88	85	79	75	93	81.5
	1171	97	95	88	90	89	86	79	76	93	81.5
35°	27	98	97	95	96	95	91	85	82	99	87.5
	656	100	98	94	95	93	90	83	80	98	86.5
	1405	102	103	106	110	112	100	93	90	114	102.5
45°	20	103	101	97	98	99	96	90	86	103	91.5
	482	104	101	96	98	98	95	88	85	102	90.5
	923	105	103	98	100	98	94	88	84	102	90.5

RA-500-325-190-6 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

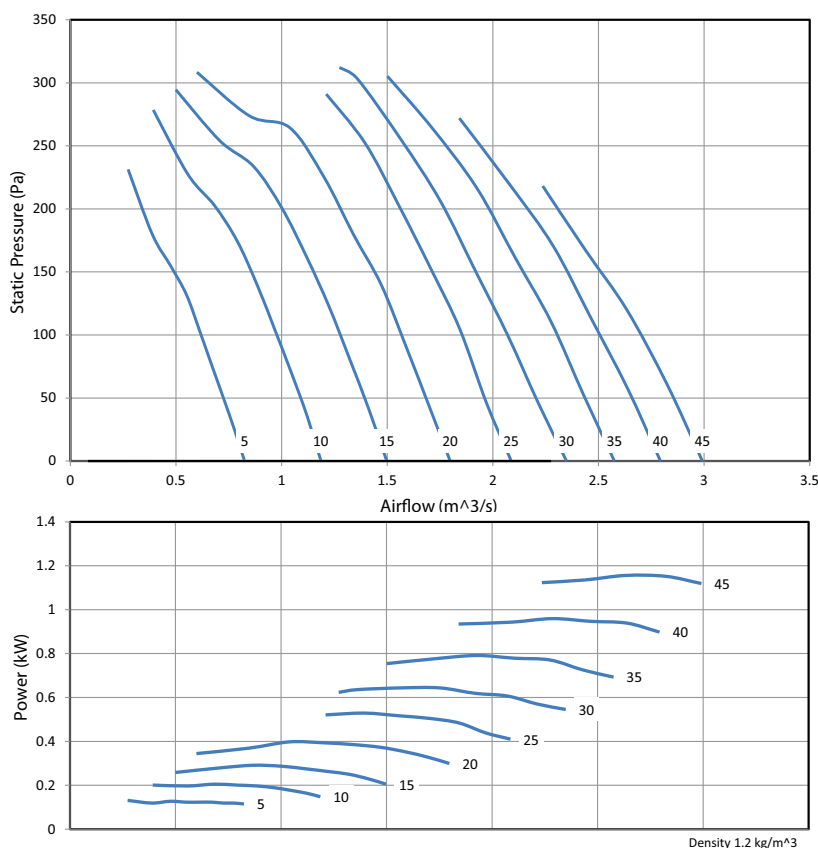


FEG 75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	5	73	75	80	81	81	73	71	62	84	72.5
	189	74	76	79	82	82	71	67	61	84	72.5
	304	82	86	79	79	76	66	62	57	80	68.5
15°	7	74	75	79	77	77	71	70	63	81	69.5
	187	75	73	77	75	75	68	66	62	78	66.5
	411	84	90	83	83	78	69	64	61	84	72.5
25°	7	80	77	81	80	78	72	70	65	82	70.5
	249	83	78	81	78	76	69	66	63	80	68.5
	436	87	77	79	78	78	69	66	65	81	69.5
35°	10	87	83	85	85	82	76	72	69	86	74.5
	244	89	82	84	83	81	73	70	68	85	73.5
	523	92	95	97	105	92	84	80	77	103	91.5
45°	7	92	85	87	89	87	80	76	75	91	79.5
	179	93	85	87	88	86	79	74	74	90	78.5
	344	94	87	89	88	85	79	74	71	90	78.5

RA-500-325-190-6 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).



Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

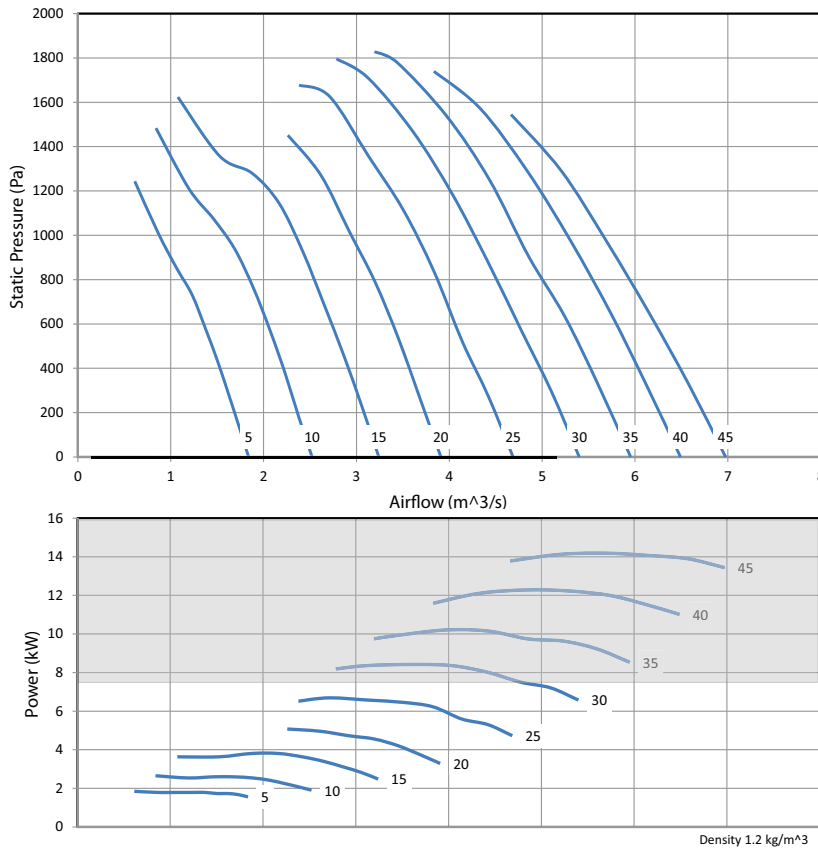


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	3	69	72	76	76	74	68	64	56	78	66.5
	127	70	72	76	78	74	66	61	55	78	66.5
	204	79	81	75	74	69	60	56	51	75	63.5
15°	5	70	72	74	73	71	67	64	57	76	64.5
	125	70	70	72	71	69	63	61	57	73	61.5
	276	82	86	79	77	71	63	59	56	78	66.5
25°	5	75	74	76	75	72	67	64	60	77	65.5
	167	77	74	75	73	70	64	60	57	75	63.5
	293	80	73	74	74	71	64	61	60	75	63.5
35°	7	82	80	81	80	76	70	67	64	81	69.5
	164	83	79	80	78	75	68	65	64	80	68.5
	351	88	91	95	97	85	78	75	72	95	83.5
45°	5	86	82	83	84	80	75	71	70	85	73.5
	120	86	81	83	83	80	73	70	70	84	72.5
	231	88	83	85	83	79	73	69	66	84	72.5

RA-500-325-275-6 (3500 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	19	90	90	89	95	98	96	89	86	102	90.5
	721	87	87	88	92	98	96	86	83	101	89.5
	1218	95	95	97	94	93	89	82	81	97	85.5
15°	19	88	88	88	92	94	92	89	87	98	86.5
	741	87	87	86	89	92	89	86	84	96	84.5
	1471	99	99	103	101	99	92	85	82	103	91.5
25°	29	95	95	92	93	96	92	90	89	100	88.5
	711	94	94	92	91	93	89	86	89	97	85.5
	1685	101	101	95	95	96	92	86	89	100	88.5
35°	29	101	101	97	98	99	95	91	90	103	91.5
	984	99	99	97	96	97	92	88	86	101	89.5
	1715	104	104	100	98	98	94	88	85	102	90.5
45°	39	103	103	102	103	104	99	94	93	107	95.5
	965	104	104	100	101	103	97	92	90	106	94.5
	1608	106	106	101	102	102	97	91	88	106	94.5



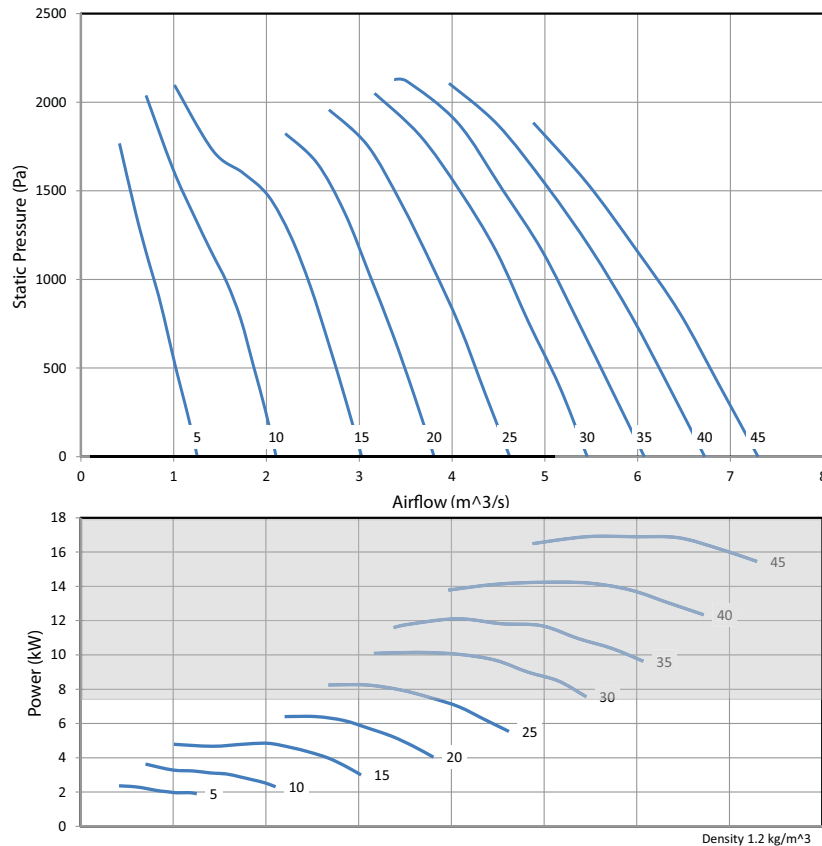
Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.



FEG 75

RA-500-325-275-9 (3500 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).



Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

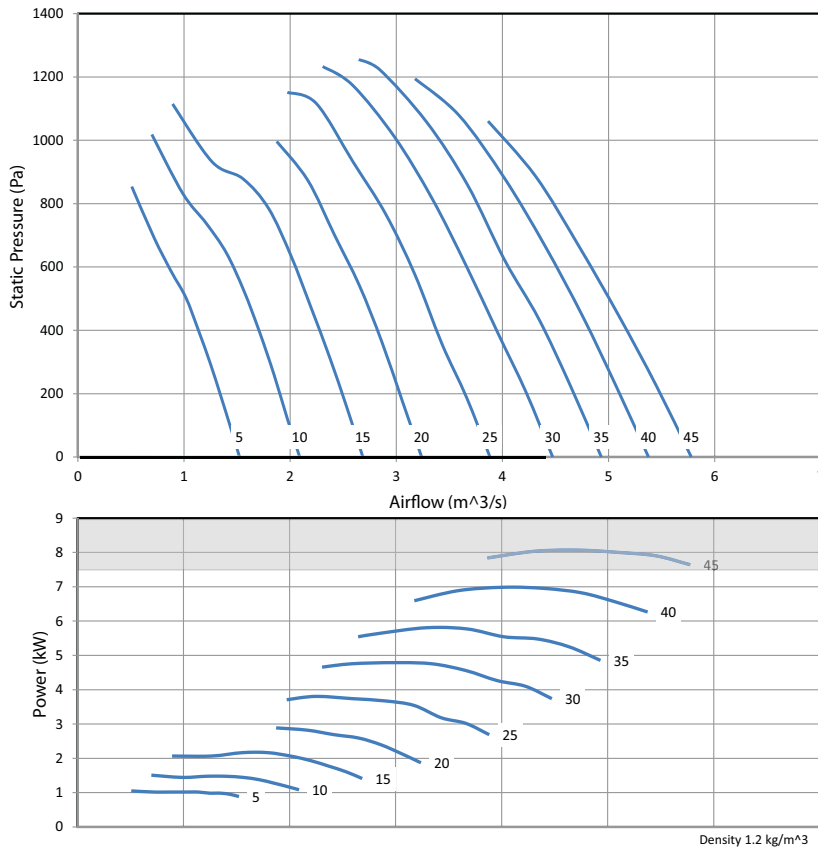


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	19	95	95	92	98	100	96	90	88	103	91.5
	974	92	92	94	99	98	93	85	83	102	90.5
	1461	97	97	95	98	96	90	84	82	100	88.5
15°	19	91	91	89	95	97	94	91	88	101	89.5
	964	90	90	89	94	97	93	88	85	100	88.5
	1743	101	101	99	103	100	92	85	81	104	92.5
25°	29	94	94	92	95	97	94	92	90	101	89.5
	965	94	94	90	95	98	91	88	86	100	88.5
	1861	96	96	91	95	96	92	85	82	99	87.5
35°	29	98	98	97	100	101	97	93	92	105	93.5
	965	97	97	95	99	100	95	90	88	103	91.5
	1988	99	99	95	98	99	95	88	87	102	90.5
45°	29	103	103	100	105	104	100	95	93	108	96.5
	994	101	101	99	102	104	99	93	92	107	95.5
	1900	102	102	98	102	104	98	92	92	107	95.5

RA-500-325-275-6 (2900 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	13	86	86	86	91	94	90	84	80	97	85.5
	495	83	83	85	90	93	89	81	77	96	84.5
	836	91	92	93	90	88	83	78	76	92	80.5
15°	13	84	84	85	88	89	87	84	82	94	82.5
	508	83	83	83	86	87	84	81	79	91	79.5
	1010	95	96	99	96	93	86	80	77	98	86.5
25°	20	91	90	88	90	91	87	85	84	95	83.5
	682	89	89	87	88	88	83	82	82	92	80.5
	1157	97	95	91	91	91	86	83	83	95	83.5
35°	20	97	96	94	95	94	90	87	85	98	86.5
	676	95	94	93	92	92	87	84	81	96	84.5
	1177	100	99	96	94	93	88	83	81	97	85.5
45°	27	98	98	98	99	98	94	90	87	102	90.5
	662	100	99	96	98	97	92	87	85	101	89.5
	1104	102	100	97	98	97	91	86	84	100	88.5



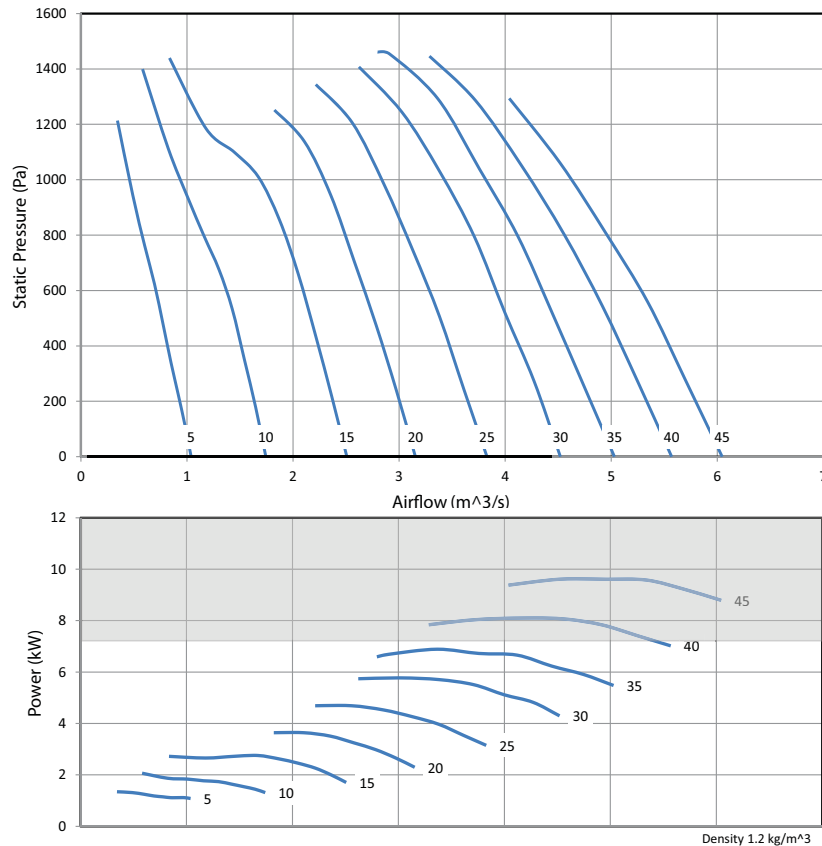
Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.



FEG 75

RA-500-325-275-9 (2900 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

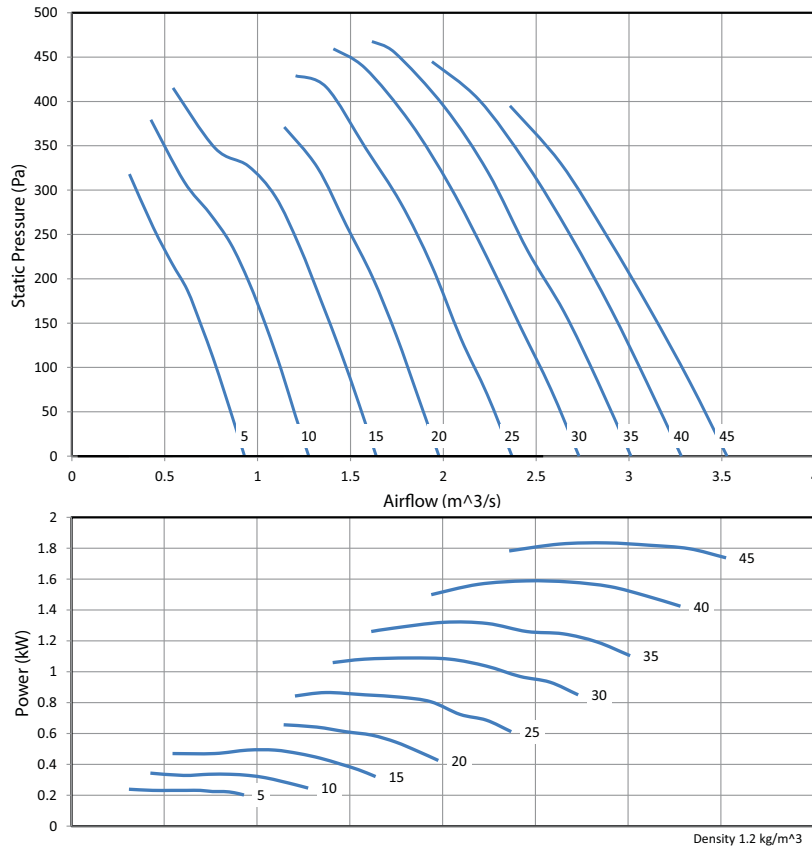


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	13	91	90	90	95	95	90	85	82	98	86.5
	669	88	89	91	95	93	87	80	77	96	84.5
	1003	93	92	91	94	90	84	79	77	95	83.5
15°	13	87	86	87	92	92	89	86	82	96	84.5
	662	86	86	86	91	92	88	83	79	95	83.5
	1197	97	97	96	99	94	86	80	76	99	87.5
25°	20	90	89	88	91	92	89	87	84	97	85.5
	662	90	89	87	91	92	86	83	81	95	83.5
	1278	92	91	88	91	91	86	80	77	94	82.5
35°	20	94	93	94	96	96	92	89	87	100	88.5
	662	93	93	92	95	94	89	85	83	98	86.5
	1364	95	94	92	95	94	89	84	82	97	85.5
45°	20	99	98	97	101	99	95	90	88	103	91.5
	682	96	96	96	99	98	93	89	87	102	90.5
	1304	98	97	95	99	99	92	88	86	102	90.5

RA-500-325-275-6 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

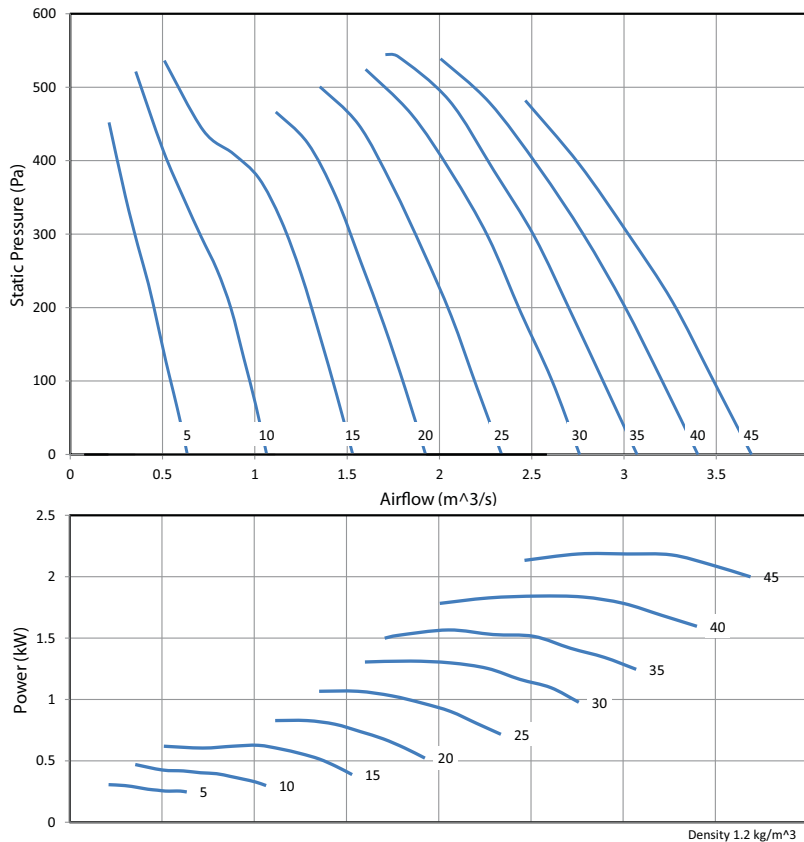


FEG 75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	5	75	74	80	84	81	74	71	65	85	73.5
	184	72	73	77	83	81	72	68	64	84	72.5
	311	81	82	79	78	74	67	67	62	79	67.5
15°	5	73	73	77	79	77	74	73	66	82	70.5
	189	72	71	74	77	74	71	70	66	79	67.5
	376	84	88	86	84	78	70	67	64	84	72.5
25°	7	80	78	78	81	77	75	75	68	83	71.5
	254	78	76	77	78	74	70	74	66	80	68.5
	431	87	80	80	81	78	71	75	67	83	71.5
35°	7	86	83	84	84	80	76	76	71	86	74.5
	194	83	81	81	84	79	74	73	69	84	72.5
	439	89	85	83	83	79	73	70	70	84	72.5
45°	10	88	87	88	89	84	79	78	74	90	78.5
	189	88	86	87	89	83	78	76	73	89	77.5
	411	91	86	87	88	82	76	74	72	88	76.5

RA-500-325-275-9 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

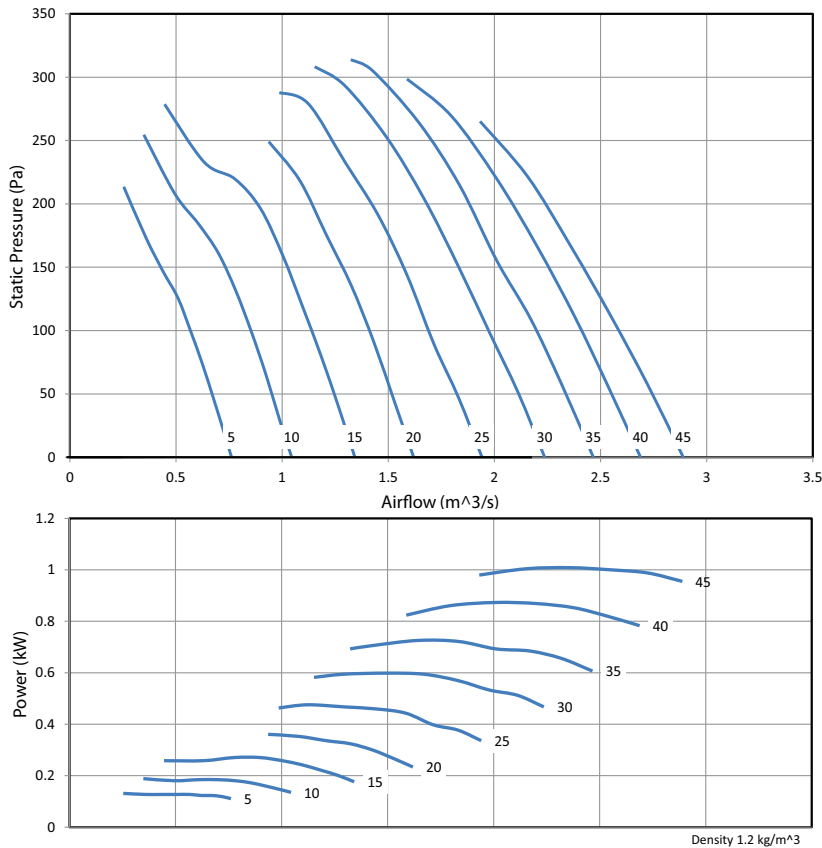


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	5	80	77	84	85	81	75	74	66	86	74.5
	127	76	77	82	84	80	74	72	65	85	73.5
	374	82	80	83	81	75	69	67	65	82	70.5
15°	5	76	74	80	82	79	76	74	66	84	72.5
	247	76	74	79	82	78	73	70	66	83	71.5
	446	87	84	88	85	78	70	66	64	85	73.5
25°	7	79	77	80	83	79	77	75	69	85	73.5
	247	79	75	80	83	76	73	71	67	83	71.5
	476	82	76	81	81	77	71	67	66	82	70.5
35°	7	83	82	85	86	82	78	77	72	88	76.5
	247	83	80	84	85	80	75	74	69	86	74.5
	508	84	80	84	85	80	73	72	69	85	73.5
45°	7	88	85	90	90	85	80	79	73	91	79.5
	254	86	84	87	89	84	78	78	72	90	78.5
	486	87	83	87	90	83	77	77	71	89	77.5

RA-500-325-275-6 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

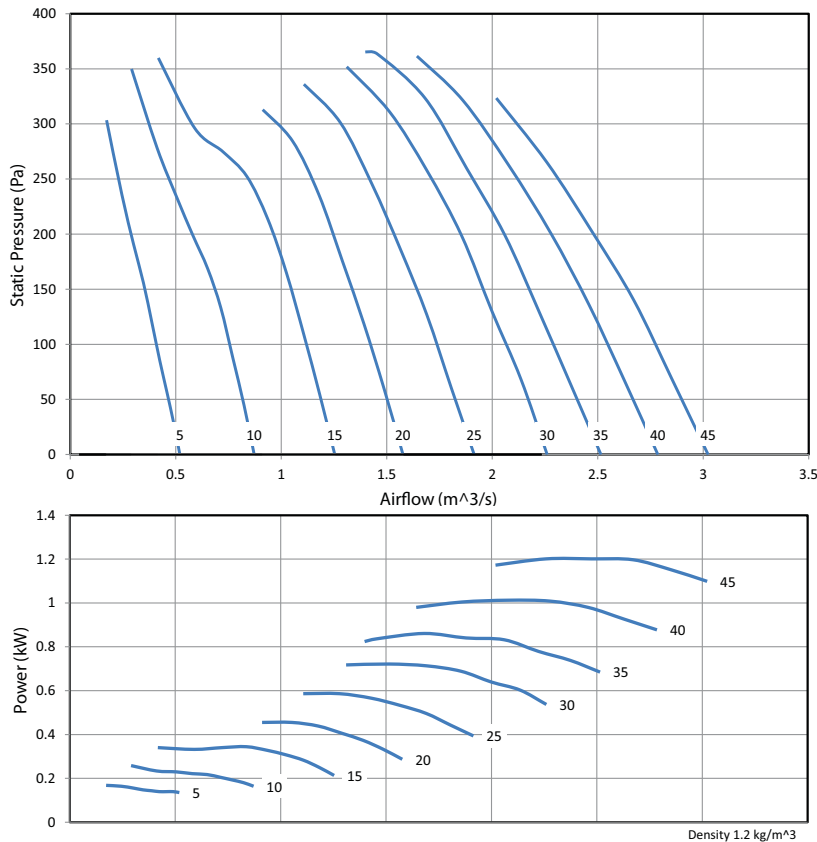


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	3	71	71	76	79	75	69	65	59	79	67.5
	124	68	70	75	78	74	66	62	58	78	66.5
	209	77	78	75	73	68	63	61	57	74	62.5
15°	3	69	70	73	74	72	69	67	60	77	65.5
	127	68	68	71	72	69	66	64	60	74	62.5
	252	81	84	81	78	71	65	62	59	79	67.5
25°	5	75	73	75	76	72	70	68	62	78	66.5
	171	74	72	73	73	68	67	67	59	75	63.5
	289	80	76	76	76	71	68	68	61	77	65.5
35°	5	81	79	79	79	75	72	70	65	81	69.5
	169	79	78	77	77	72	68	66	63	78	66.5
	294	84	81	79	78	73	68	66	65	79	67.5
45°	7	83	83	84	83	79	75	72	68	84	72.5
	165	84	81	83	82	77	72	70	68	83	71.5
	276	85	82	83	82	76	71	69	68	82	70.5

RA-500-325-275-9 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

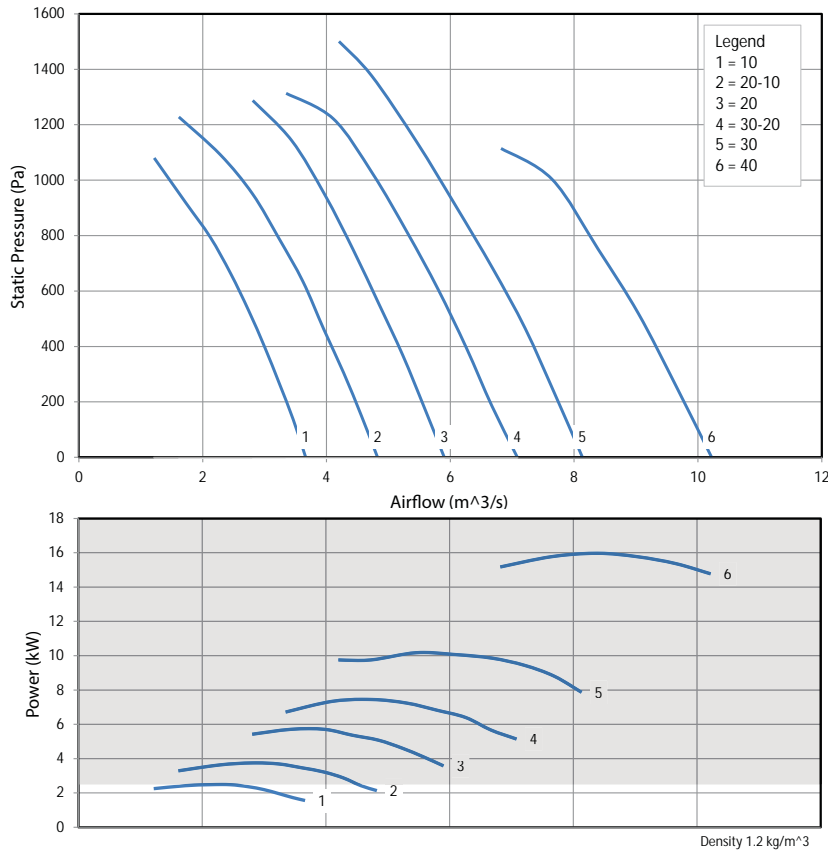


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	3	75	75	80	80	75	70	67	59	80	68.5
	167	74	76	80	78	72	65	62	58	78	66.5
	251	77	76	79	75	69	64	62	60	76	64.5
15°	3	71	72	77	77	74	71	67	60	79	67.5
	124	69	70	75	77	73	69	65	60	78	66.5
	299	81	81	84	79	71	65	61	59	80	68.5
25°	5	74	73	76	77	74	72	69	63	80	68.5
	165	73	72	76	77	71	68	65	62	78	66.5
	319	76	73	76	76	71	65	62	61	76	64.5
35°	5	78	79	81	81	77	73	71	66	82	70.5
	165	78	77	80	79	74	70	68	63	80	68.5
	341	79	77	80	79	74	69	67	63	80	68.5
45°	5	83	82	86	84	80	75	73	67	85	73.5
	171	81	81	84	83	78	74	72	66	84	72.5
	326	82	80	84	84	77	73	71	65	84	72.5

RA-560-225-4 (3500 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

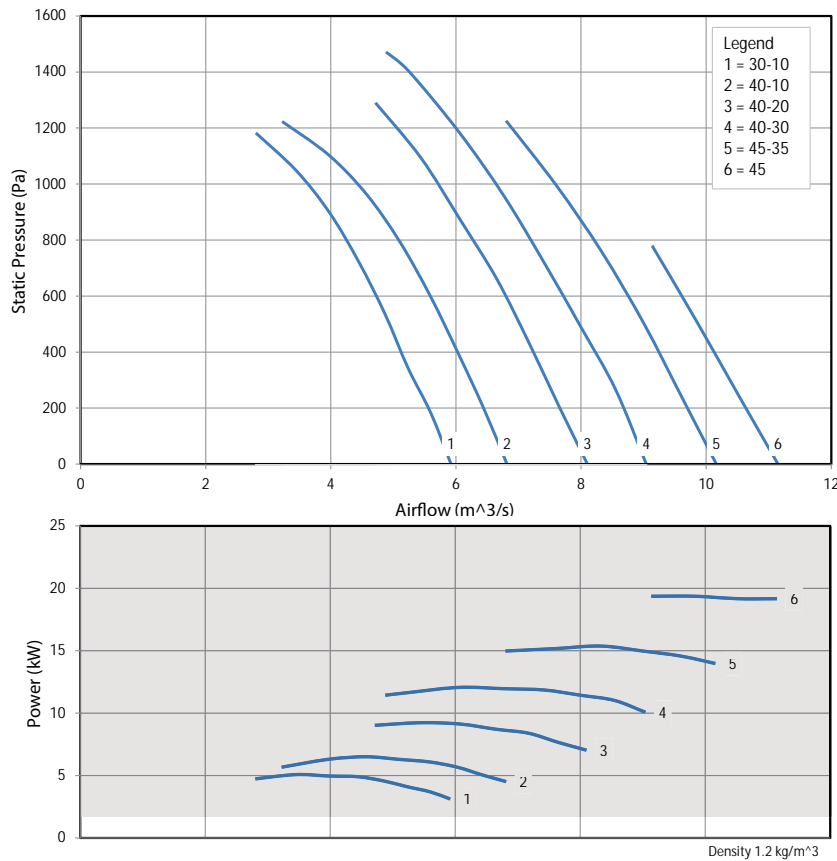


Blade Pitch	FEG
10	75
20-10	85
20-20	85
30-20	85
30-30	80
40-40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	0	85	85	85	90	93	92	91	91	99	87.5
	614	83	83	86	93	98	98	93	91	103	91.5
	1003	95	95	94	100	101	96	93	94	104	92.5
20°	10	83	83	86	95	95	93	91	91	100	88.5
	614	82	82	87	98	93	91	90	94	100	88.5
	1266	93	93	94	99	103	100	96	98	107	95.5
30-20°	15	89	89	95	98	98	96	94	93	103	91.5
	668	86	86	95	95	95	94	94	96	102	90.5
	1292	97	97	98	102	102	100	99	100	107	95.5
30°	29	91	91	97	100	99	97	95	97	105	93.5
	769	88	88	94	96	97	96	97	100	104	92.5
	1437	95	95	94	98	97	95	96	100	104	92.5
40°	15	92	92	102	101	101	100	100	102	107	95.5
	450	92	92	99	99	100	99	100	103	107	95.5
	1074	96	96	99	98	99	98	97	101	106	94.5

RA-560-225-4 (3500 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

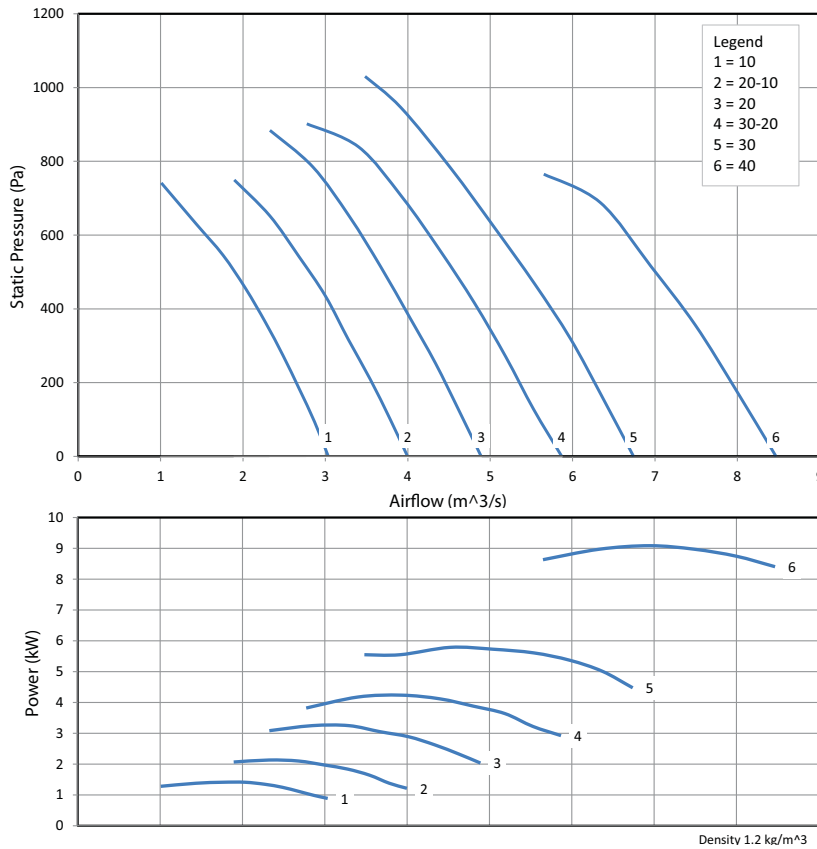


Blade Pitch	FEG
30-10	90
40-10	90
40-20	90
40-30	85
45-35	85
45-45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
30-10°	10	84	84	88	99	98	95	92	91	102	90.5
	594	81	81	85	97	94	93	90	90	100	88.5
	1237	102	102	102	107	101	97	95	97	107	95.5
40-20°	15	89	89	94	94	98	97	94	94	103	91.5
	755	89	89	95	93	95	94	93	95	101	89.5
	1306	93	93	95	96	97	96	97	99	104	92.5
40-30°	29	91	91	98	98	99	98	96	98	105	93.5
	784	90	90	96	94	97	97	98	100	105	93.5
	1350	94	94	94	96	97	96	96	100	104	92.5
45-35°	45	109	109	109	98	99	99	98	99	107	95.5
	669	103	103	103	96	98	98	99	101	106	94.5
	1181	101	101	101	97	98	96	97	99	105	93.5
45°	45	103	103	103	100	100	101	101	103	108	96.5
	424	105	105	105	99	100	100	101	102	108	96.5
	758	109	109	109	102	101	100	100	101	108	96.5

RA-560-225-4 (2900 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

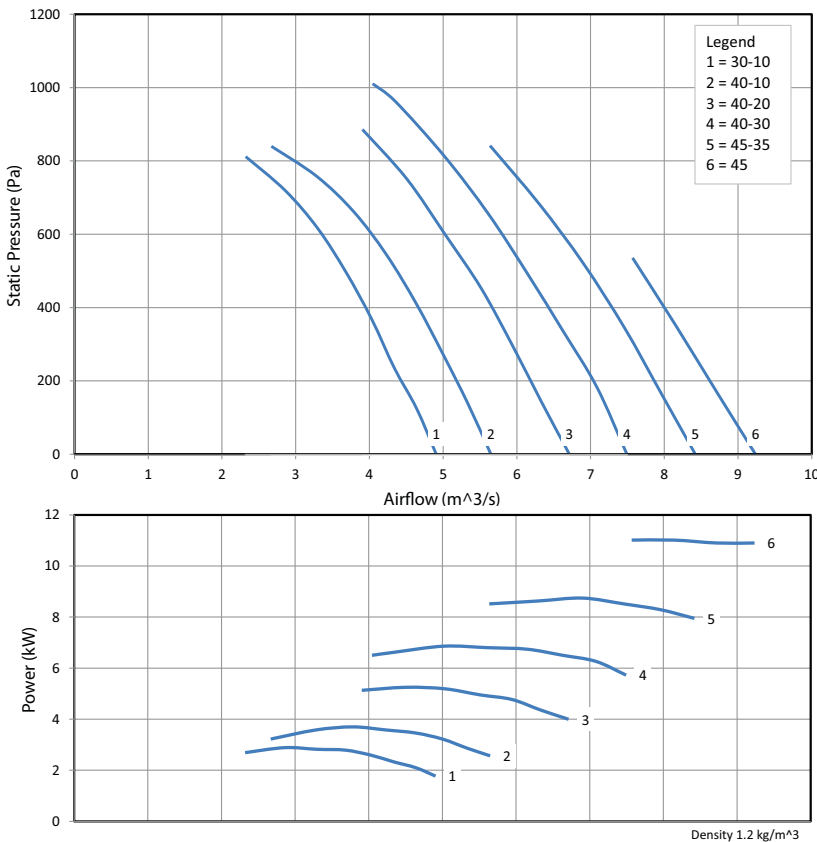


Blade Pitch	FEG
10	75
20-10	85
20-20	85
30-20	85
30-30	80
40-40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	0	81	81	82	86	88	87	86	85	94	82.5
	294	80	80	82	89	87	87	86	85	93	81.5
	689	90	90	91	96	95	91	89	88	99	87.5
20°	7	78	79	84	90	90	88	87	86	95	83.5
	421	78	79	85	92	88	86	87	89	95	83.5
	869	88	89	91	96	98	94	92	93	102	90.5
30-20°	10	85	85	90	95	92	91	89	89	98	86.5
	658	83	83	92	90	90	89	92	94	98	86.5
	887	93	93	93	99	98	94	94	96	103	91.5
30°	20	87	87	93	97	94	92	91	93	100	88.5
	707	84	84	91	91	92	90	92	96	99	87.5
	986	90	90	89	95	92	90	92	97	100	88.5
40°	10	88	88	98	96	96	95	96	98	103	91.5
	568	89	89	93	93	96	94	94	99	102	90.5
	2581	110	110	107	97	94	90	85	79	102	90.5

RA-560-225-4 (2900 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

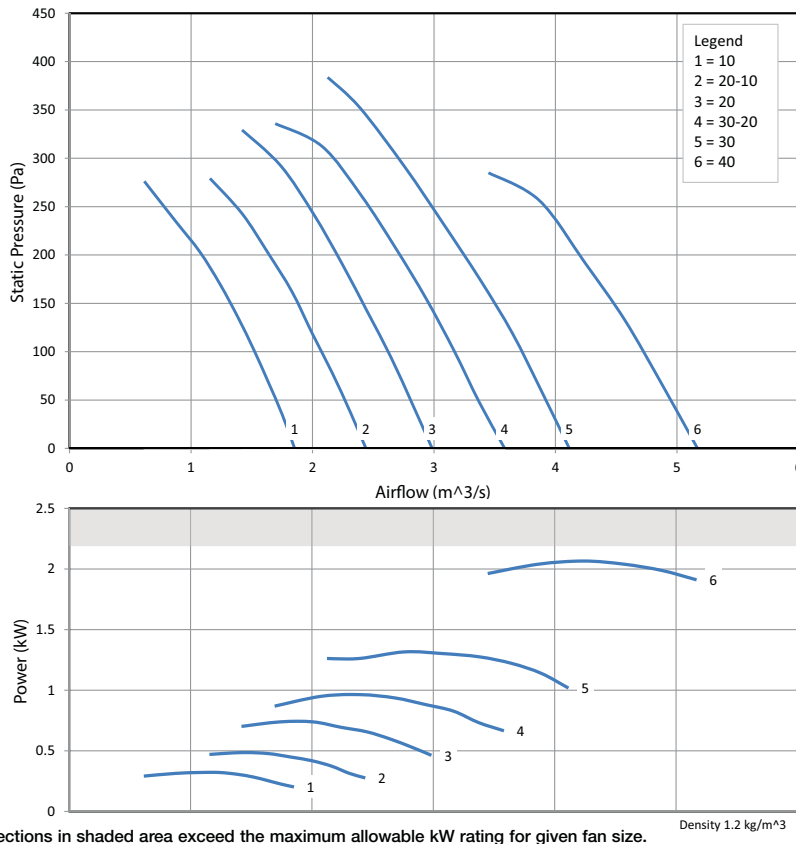


Blade Pitch	FEG
30-10	90
40-10	90
40-20	90
40-30	85
45-35	85
45-45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
30-10°	7	79	80	87	94	92	90	87	86	97	85.5
	568	78	79	84	93	91	88	87	87	96	84.5
	849	97	97	99	101	95	92	91	92	102	90.5
40-20°	10	84	84	90	90	95	91	90	89	98	86.5
	518	84	84	91	88	92	89	88	92	97	85.5
	897	88	88	91	92	93	91	93	95	100	88.5
40-30°	20	86	86	94	93	95	93	91	94	100	88.5
	538	86	86	92	89	94	92	95	96	101	89.5
	927	89	89	90	92	93	91	92	97	100	88.5
45-35°	31	104	104	104	94	95	94	94	95	102	90.5
	459	99	99	99	93	94	93	95	97	102	90.5
	811	97	97	97	93	93	91	93	95	100	88.5
45°	31	98	98	98	95	96	96	97	99	104	92.5
	291	101	101	101	95	96	96	97	98	104	92.5
	520	104	104	104	97	96	95	95	96	103	91.5

RA-560-225-4 (1770 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

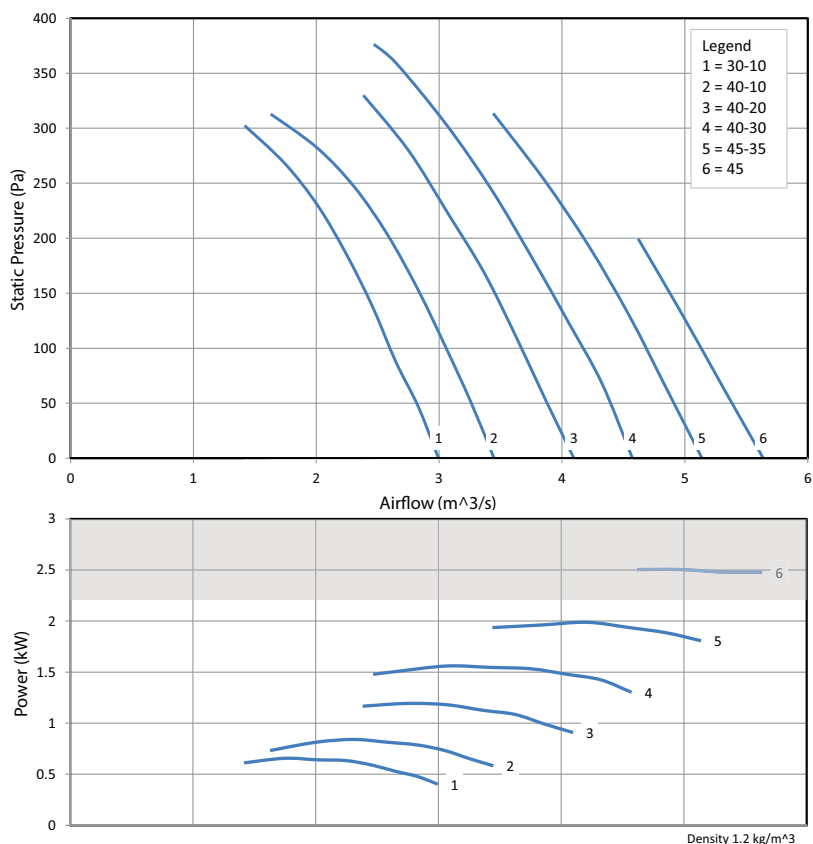


Blade Pitch	FEG
10	75
20-10	85
20-20	85
30-20	85
30-30	80
40-40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	0	70	70	75	78	77	76	75	71	83	71.5
	110	70	69	79	76	76	75	75	73	82	70.5
	257	80	78	85	85	81	78	79	75	87	75.5
20°	2	67	71	80	79	78	76	76	74	84	72.5
	157	67	71	83	78	76	75	79	76	84	72.5
	324	78	78	84	88	85	81	83	80	91	79.5
30-20°	4	74	79	83	82	80	79	78	76	86	74.5
	245	72	81	80	79	79	80	83	80	88	76.5
	330	82	82	86	87	85	84	85	81	91	79.5
30°	7	76	82	85	84	82	80	82	80	88	76.5
	264	74	80	80	81	80	81	84	82	89	77.5
	367	79	79	83	82	80	81	85	83	89	77.5
40°	4	77	87	86	85	84	85	86	84	92	80.5
	211	78	83	82	84	84	83	87	86	92	80.5
	961	99	97	89	84	80	75	70	66	87	75.5

RA-560-225-4 (1770 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

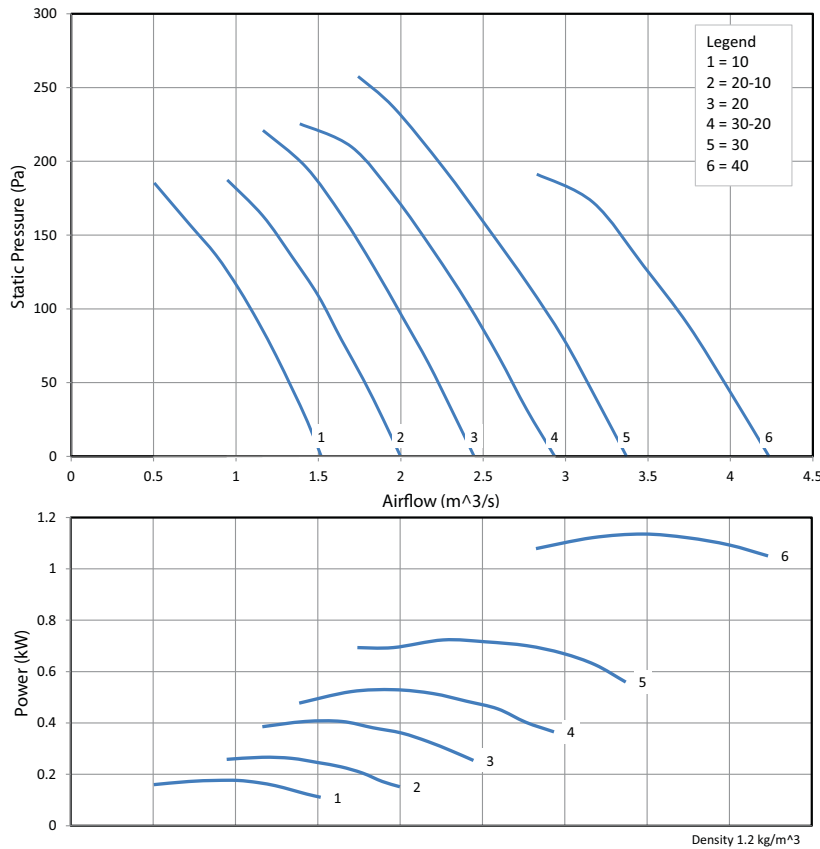


Blade Pitch	FEG
30-10	90
40-10	90
40-20	90
40-30	85
45-35	85
45-45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
30-10°	2	68	73	84	83	80	77	76	74	85	73.5
	212	68	70	83	80	78	76	76	75	84	72.5
	316	86	87	92	86	82	79	82	79	90	78.5
40-20°	4	74	79	79	82	81	79	78	77	87	75.5
	193	73	80	78	80	79	78	80	79	86	74.5
	334	78	80	81	82	81	82	83	81	89	77.5
40-30°	7	75	83	82	83	83	81	83	81	89	77.5
	201	75	81	79	82	82	83	85	82	90	78.5
	345	78	79	80	82	81	81	84	84	90	78.5
45-35°	11	93	93	82	84	83	83	84	83	90	78.5
	171	88	88	81	83	83	84	86	85	91	79.5
	302	86	86	82	82	81	81	84	84	90	78.5
45°	11	88	88	85	85	86	86	88	86	93	81.5
	108	90	90	84	85	85	85	87	86	93	81.5
	194	93	93	87	85	85	84	85	84	92	80.5

RA-560-225-4 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

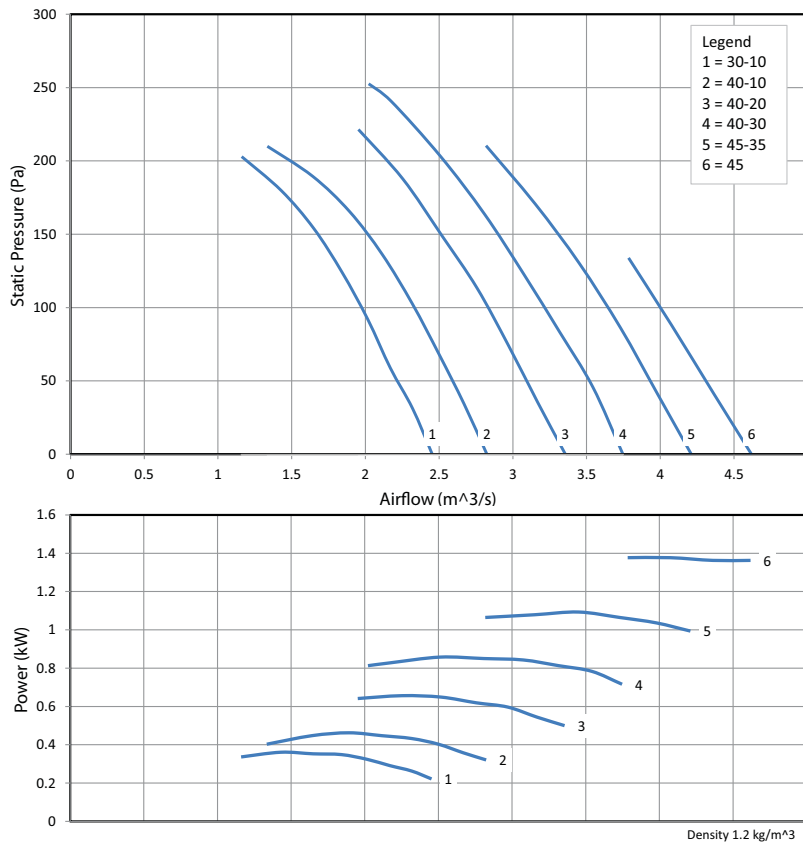


Blade Pitch	FEG
10	75
20-10	85
20-20	85
30-20	85
30-30	80
40-40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	0	66	67	71	73	72	71	70	66	78	66.5
	73	65	67	74	72	72	71	70	68	78	66.5
	172	75	76	81	80	76	74	73	70	82	70.5
20°	2	64	69	75	75	73	72	71	69	79	67.5
	105	64	70	77	73	71	71	74	71	80	68.5
	217	74	76	81	83	79	77	78	75	86	74.5
30-20°	2	69	75	80	77	76	74	73	70	82	70.5
	164	68	77	75	75	74	77	79	74	84	72.5
	222	78	78	83	82	79	79	81	76	87	75.5
30°	5	72	78	81	79	76	75	78	74	84	72.5
	177	69	76	76	77	75	77	80	76	85	73.5
	247	75	74	80	77	75	77	81	78	86	74.5
40°	2	73	83	81	81	80	81	82	78	88	76.5
	142	74	78	78	81	79	79	84	81	88	76.5
	645	95	92	81	79	74	69	63	60	82	70.5

RA-560-225-4 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

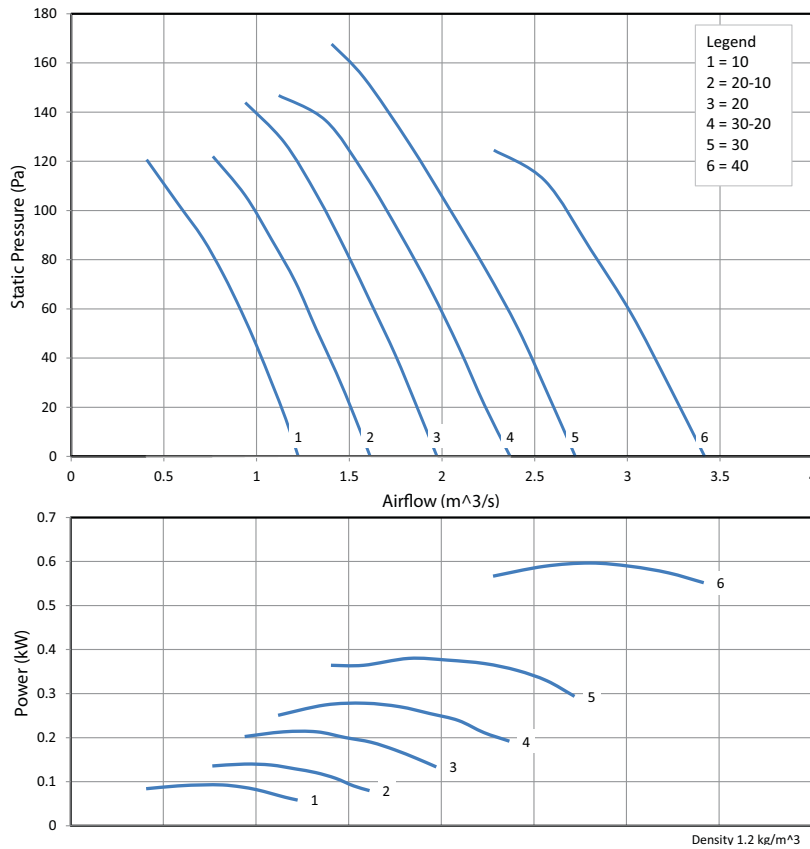


Blade Pitch	FEG
30-10	90
40-10	90
40-20	90
40-30	85
45-35	85
45-45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
30-10°	2	65	72	79	77	74	72	71	69	81	69.5
	142	64	69	78	75	73	72	72	71	80	68.5
	212	82	84	86	80	77	76	77	73	85	73.5
40-20°	2	69	75	75	79	76	74	74	72	82	70.5
	130	69	76	72	77	74	73	77	73	82	70.5
	224	73	76	77	78	76	78	80	76	85	73.5
40-30°	5	71	79	78	80	78	76	79	75	85	73.5
	135	71	76	74	79	77	79	81	76	86	74.5
	232	74	75	77	78	76	77	81	79	86	74.5
45-35°	8	89	89	79	80	79	79	80	77	86	74.5
	115	84	84	78	79	78	80	82	79	87	75.5
	203	82	82	78	78	76	78	80	79	86	74.5
45°	8	83	83	80	81	81	82	84	80	89	77.5
	73	86	86	79	81	81	81	83	81	89	77.5
	130	89	89	82	81	80	80	81	79	88	76.5

RA-560-225-4 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

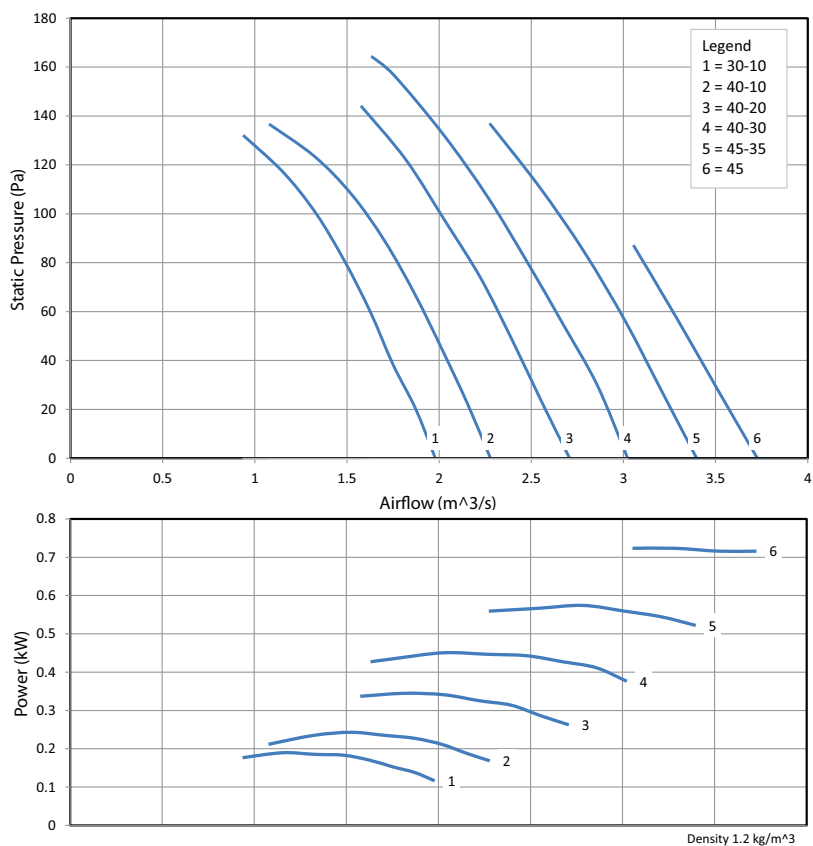


Blade Pitch	FEG
10	75
20-10	85
20-20	85
30-20	85
30-30	80
40-40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	0	61	64	68	68	67	67	64	60	73	61.5
	48	60	66	68	67	67	66	64	62	73	61.5
	112	70	73	76	74	70	69	68	64	77	65.5
20°	1	62	67	71	70	68	67	66	64	74	62.5
	68	62	69	71	68	66	68	68	66	75	63.5
	141	69	73	77	77	73	73	72	69	80	68.5
30-20°	2	70	72	74	72	70	69	68	65	76	64.5
	107	72	71	70	70	70	73	73	68	79	67.5
	144	73	75	78	77	75	75	74	69	82	70.5
30°	3	73	74	76	74	71	72	72	69	79	67.5
	115	71	71	71	71	71	74	75	70	80	68.5
	161	70	71	74	72	71	74	76	72	81	69.5
40°	2	78	77	76	76	75	77	76	72	83	71.5
	92	74	74	74	76	74	76	78	75	83	71.5
	420	89	84	76	73	68	63	58	55	75	63.5

RA-560-225-4 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

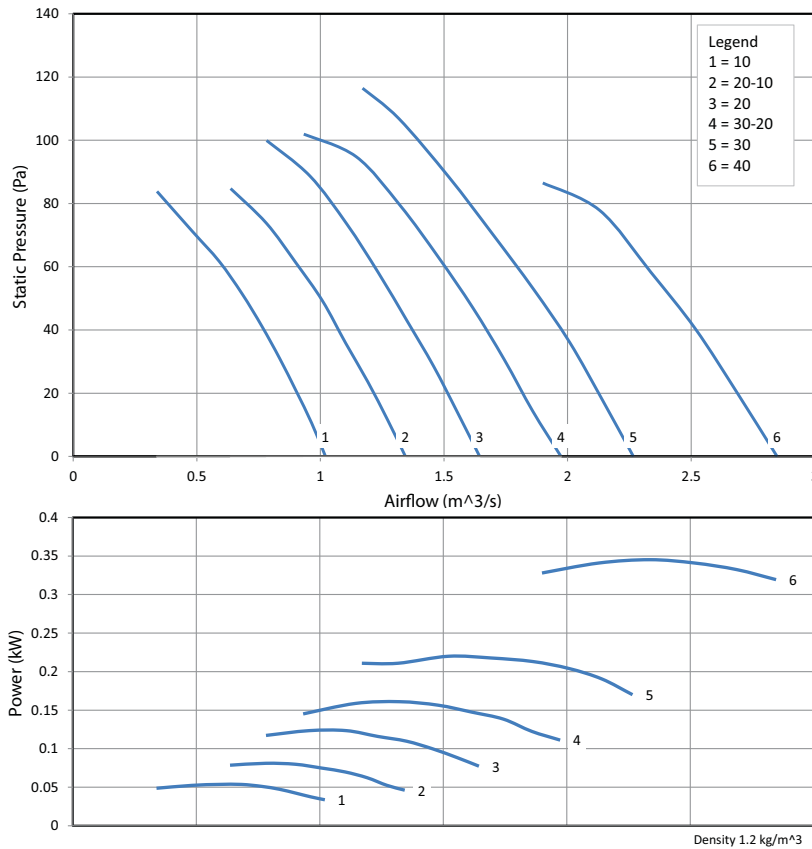


Blade Pitch	FEG
30-10	90
40-10	90
40-20	90
40-30	85
45-35	85
45-45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
30-10°	1	64	71	74	72	69	67	66	64	75	63.5
	92	61	69	72	70	68	67	67	66	75	63.5
	138	78	81	79	75	71	72	71	68	79	67.5
40-20°	2	70	70	72	74	71	70	69	67	77	65.5
	84	71	70	69	71	69	70	71	68	77	65.5
	146	71	71	72	73	72	74	74	70	80	68.5
40-30°	3	74	74	74	74	73	73	73	69	80	68.5
	88	72	71	71	74	73	75	75	70	81	69.5
	151	70	71	72	72	72	74	76	73	81	69.5
45-35°	5	84	72	75	75	73	74	75	71	81	69.5
	75	79	71	74	74	74	77	77	73	83	71.5
	132	77	72	74	72	71	74	76	73	81	69.5
45°	5	79	76	75	77	76	78	79	74	85	73.5
	47	81	74	75	77	76	77	79	74	84	72.5
	85	84	79	77	76	75	76	77	73	83	71.5

RA-560-225-4 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

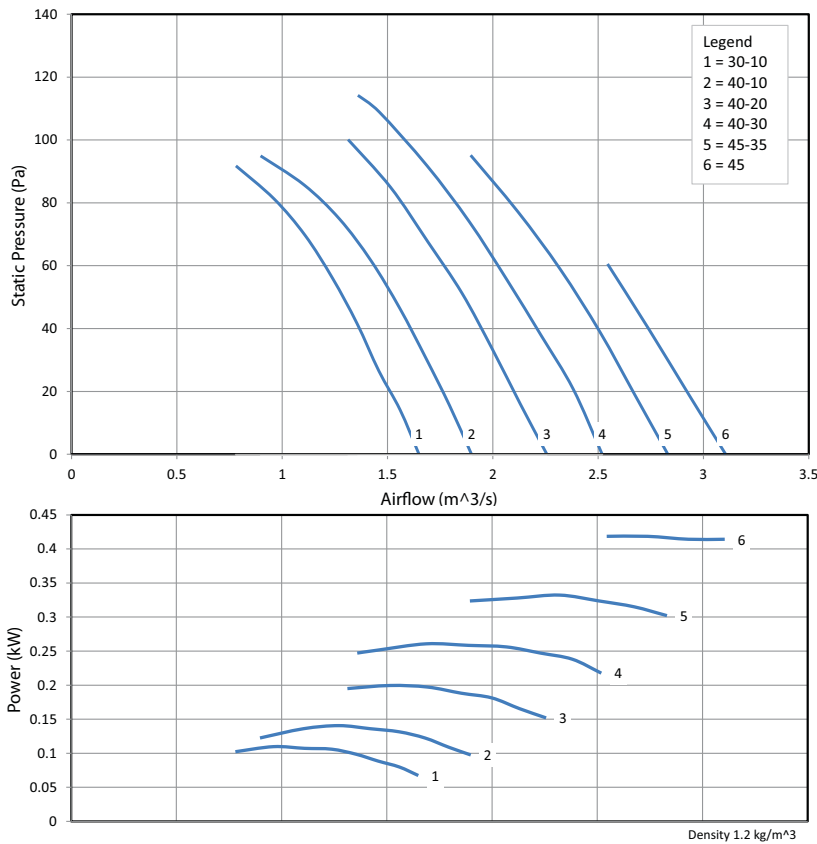


Blade Pitch	FEG
10	75
20-10	85
20-20	85
30-20	85
30-30	80
40-40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	0	57	61	64	64	63	62	59	55	69	57.5
	33	56	64	63	63	62	62	60	58	68	56.5
	78	65	71	72	69	66	66	63	59	72	60.5
20°	1	58	65	67	65	64	63	61	59	70	58.5
	48	58	69	66	63	62	65	64	61	71	59.5
	98	66	70	75	72	68	70	68	65	76	64.5
30-20°	1	66	69	70	68	66	65	63	60	72	60.5
	74	68	67	66	66	67	70	68	63	75	63.5
	100	70	73	74	72	71	71	69	64	77	65.5
30°	2	69	71	71	69	67	68	67	64	75	63.5
	80	68	67	68	67	68	71	69	65	76	64.5
	112	66	69	70	67	68	71	71	68	77	65.5
40°	1	74	73	72	72	72	73	71	67	79	67.5
	64	70	69	71	71	70	73	73	71	79	67.5
	292	85	77	71	68	63	57	53	50	70	58.5

RA-560-225-4 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

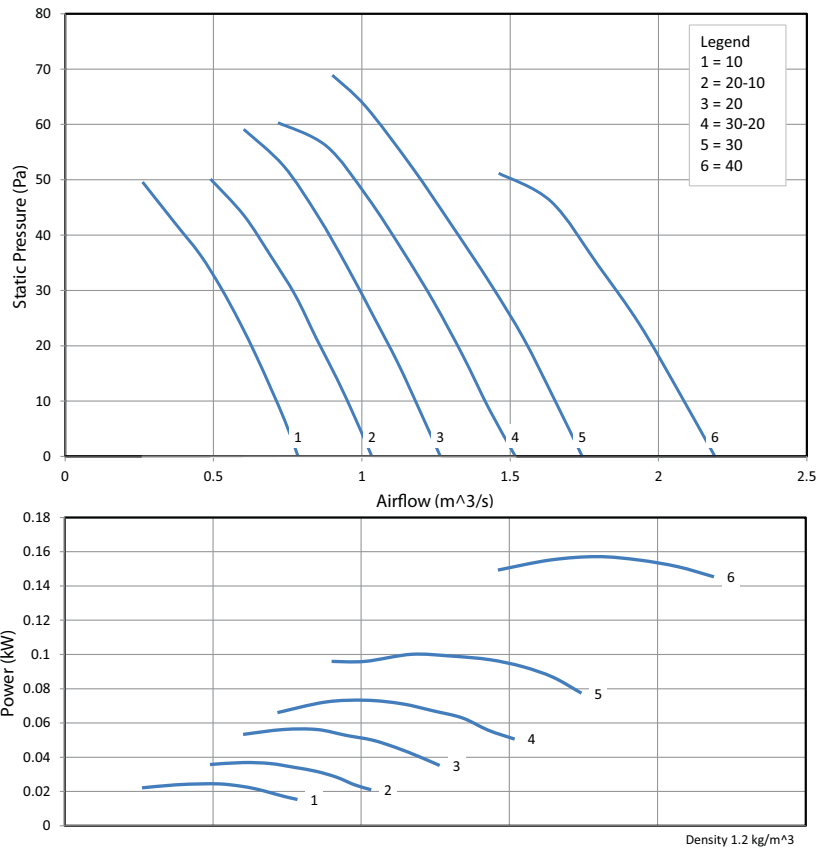


Blade Pitch	FEG
30-10	90
40-10	90
40-20	90
40-30	85
45-35	85
45-45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
30-10°	1	60	70	70	67	64	63	62	60	71	59.5
	64	57	68	68	66	63	63	62	62	70	58.5
	96	74	79	74	70	67	69	66	63	75	63.5
40-20°	1	66	66	69	69	67	65	64	63	73	61.5
	59	67	65	66	67	65	67	66	63	73	61.5
	101	67	68	69	68	69	70	69	65	76	64.5
40-30°	2	70	70	70	70	68	69	68	64	75	63.5
	61	68	67	68	69	70	72	70	65	77	65.5
	105	66	67	69	68	68	71	71	69	77	65.5
45-35°	3	80	69	71	71	70	71	70	66	77	65.5
	52	75	68	70	70	70	73	72	68	78	66.5
	92	73	68	70	68	68	71	72	68	77	65.5
45°	3	75	72	71	73	73	75	74	68	80	68.5
	33	77	70	72	72	72	74	74	69	80	68.5
	59	80	74	72	72	71	72	72	68	78	66.5

RA-560-225-4 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

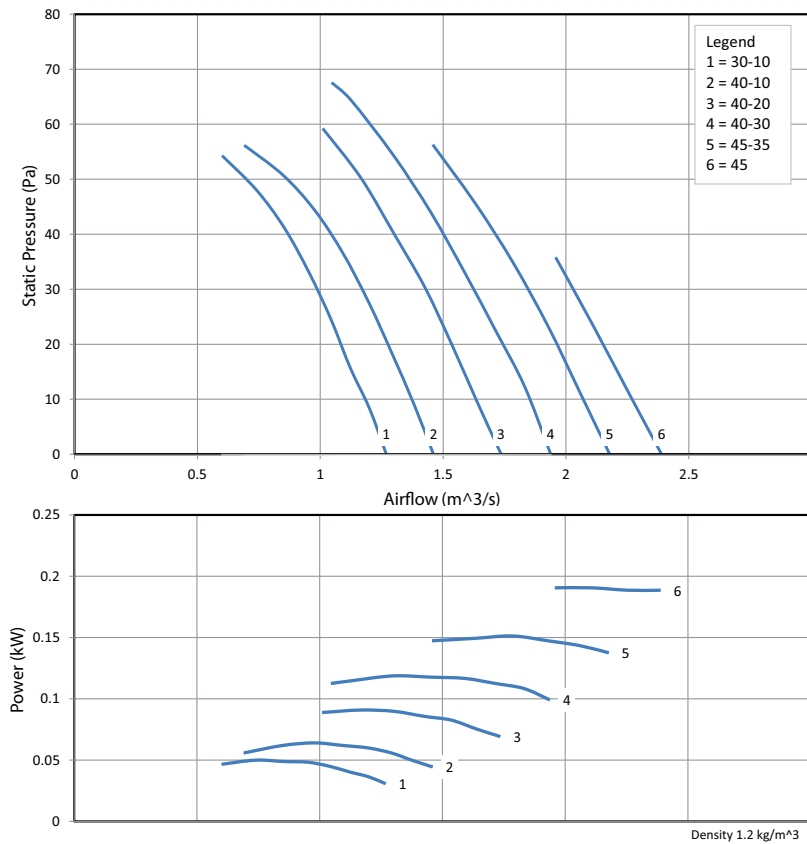


Blade Pitch	FEG
10	75
20-10	85
20-20	85
30-20	85
30-30	80
40-40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	0	52	57	59	58	57	56	52	47	62	50.5
	20	52	59	57	57	56	55	53	51	62	50.5
	46	61	66	66	62	60	59	56	52	66	54.5
20°	0	54	61	60	59	58	57	55	53	64	52.5
	28	55	63	59	57	57	60	57	55	65	53.5
	58	61	66	69	65	63	64	61	58	70	58.5
30-20°	1	61	65	63	61	60	59	56	53	66	54.5
	44	62	61	60	60	62	65	60	55	69	57.5
	59	64	69	68	65	65	66	61	56	71	59.5
30°	1	63	67	65	62	61	64	60	57	69	57.5
	47	62	62	62	60	63	66	62	58	70	58.5
	66	60	65	63	61	63	67	64	61	71	59.5
40°	1	68	66	67	65	66	68	64	60	73	61.5
	38	64	64	66	64	65	69	67	64	74	62.5
	173	78	68	65	60	55	49	46	43	62	50.5

RA-560-225-4 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

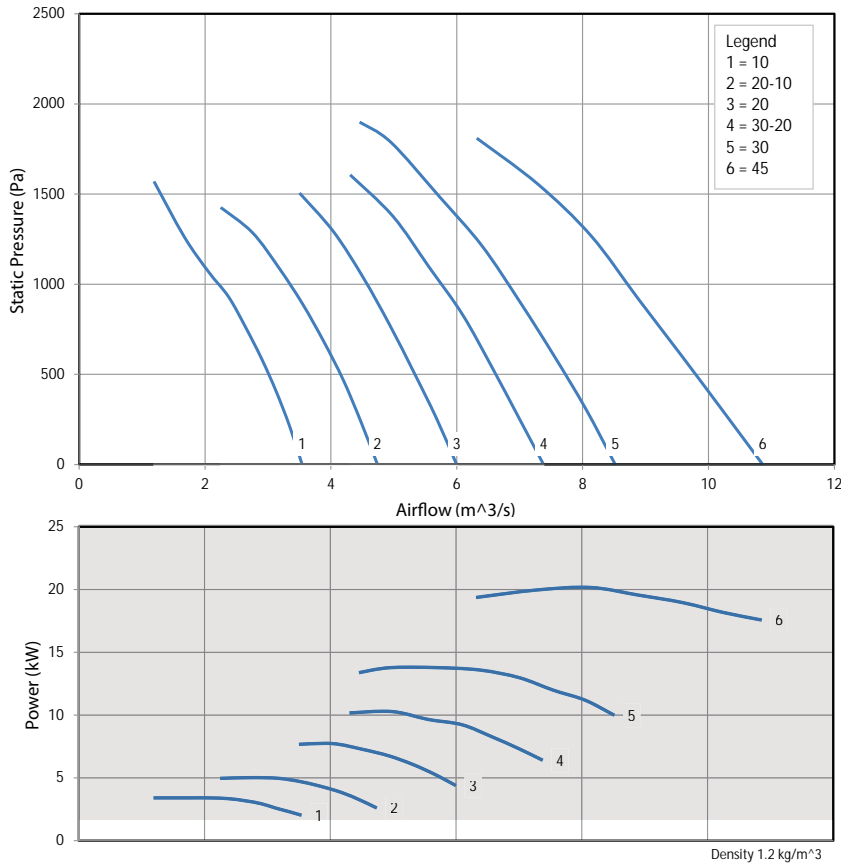


Blade Pitch	FEG
30-10	90
40-10	90
40-20	90
40-30	85
45-35	85
45-45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
30-10°	0	57	65	63	60	58	57	55	53	64	52.5
	38	54	64	61	59	57	57	56	55	64	52.5
	57	69	72	66	63	61	62	59	56	68	56.5
40-20°	1	61	60	65	62	60	59	58	56	67	55.5
	35	61	58	62	60	59	62	59	56	67	55.5
	60	61	62	64	62	63	65	62	58	70	58.5
40-30°	1	65	63	65	63	62	65	61	57	70	58.5
	36	62	60	64	63	65	67	62	58	71	59.5
	62	61	62	63	62	62	67	65	62	71	59.5
45-35°	2	75	64	65	64	64	65	63	59	71	59.5
	31	69	63	64	64	66	67	65	61	73	61.5
	54	67	63	63	62	63	66	65	61	71	59.5
45°	2	69	66	67	67	68	69	66	61	74	62.5
	19	71	65	66	66	67	69	67	62	74	62.5
	35	75	68	67	66	66	67	64	60	72	60.5

RA-560-225-6 (3500 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

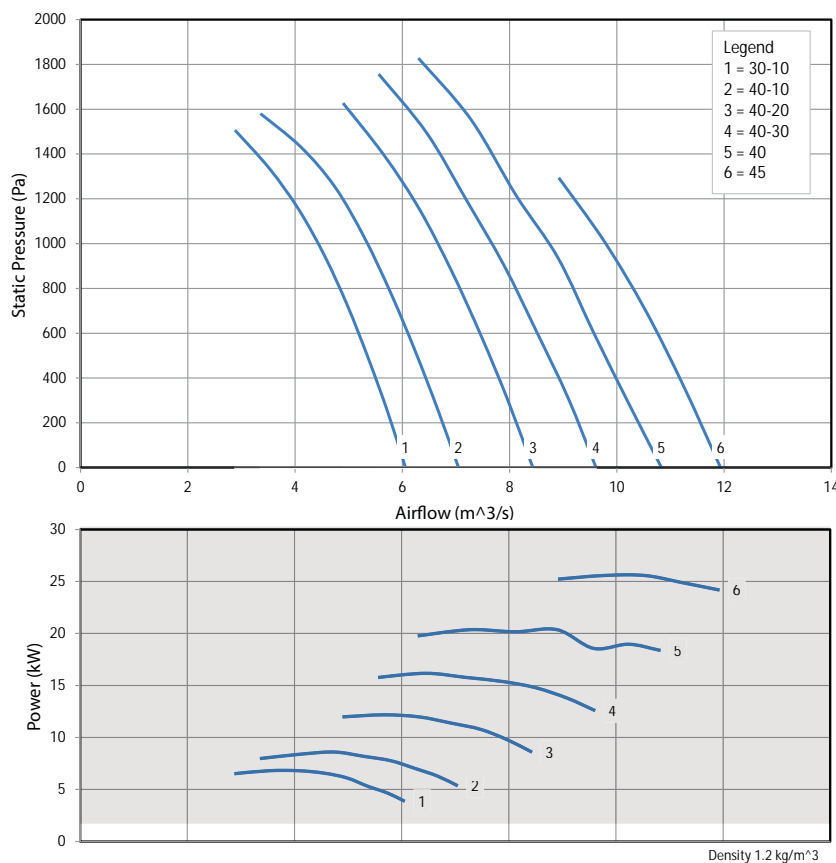


Blade Pitch	FEG
10	75
20-10	80
20-20	80
30-20	85
30-30	80
45-35	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	0	83	83	89	94	94	95	94	93	101	89.5
	643	80	80	89	93	96	100	95	92	104	92.5
	1412	90	90	100	97	95	93	95	96	102	90.5
20°	10	88	88	93	95	95	95	94	93	102	90.5
	847	85	85	93	94	93	93	93	95	100	88.5
	1675	102	102	104	102	100	97	98	101	107	95.5
30-20°	15	89	89	97	102	99	97	95	94	105	93.5
	929	85	85	95	97	96	94	94	95	102	90.5
	1567	97	97	98	101	103	101	99	99	108	96.5
30°	22	91	91	91	95	100	98	97	97	105	93.5
	669	91	91	92	93	96	97	98	99	104	92.5
	1806	98	98	97	97	98	98	100	102	106	94.5
45-35°	45	94	94	94	96	100	101	100	101	107	95.5
	490	93	93	94	95	99	100	101	102	107	95.5
	1716	96	96	95	96	98	99	101	103	107	95.5

RA-560-225-6 (3500 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

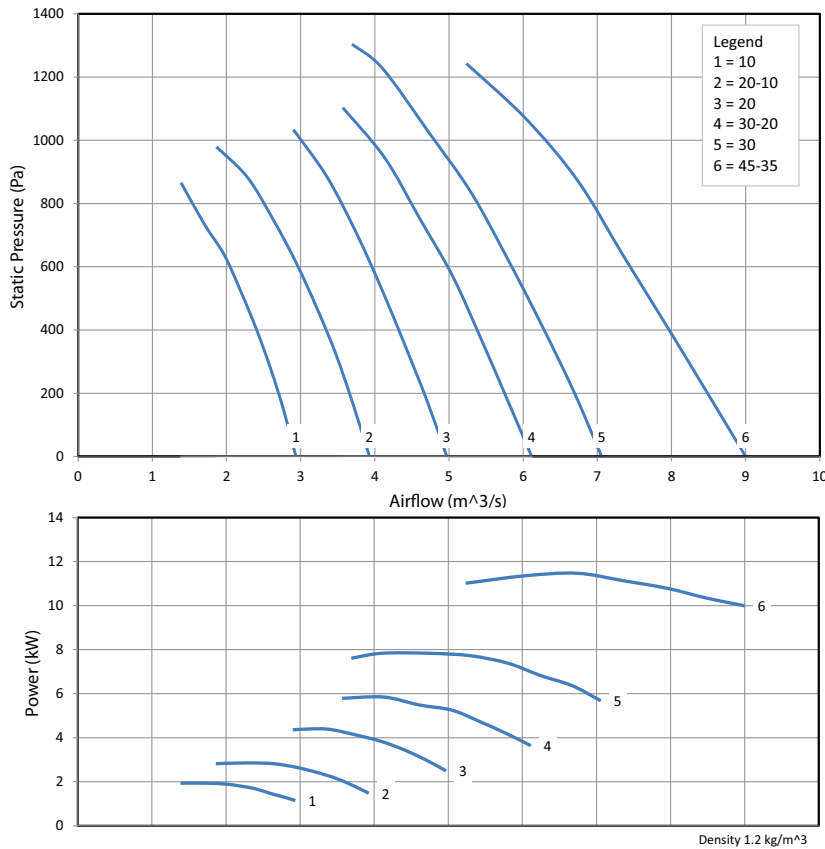


Blade Pitch	FEG
30-10	85
40-10	90
40-20	85
40-30	85
40-40	80
45-45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
30-10°	19	86	86	93	97	96	97	95	94	103	91.5
	808	84	84	93	98	95	97	94	92	102	90.5
	1588	98	98	111	101	101	98	97	98	107	95.5
40-20°	22	92	92	92	94	98	98	96	95	104	92.5
	914	89	89	92	93	95	96	96	96	102	90.5
	1560	98	98	98	98	99	98	98	99	105	93.5
40-30°	0	91	91	91	94	99	98	97	97	105	93.5
	513	92	92	93	95	97	98	98	98	104	92.5
	1716	96	96	96	96	96	97	100	102	106	94.5
40°	22	94	94	93	96	100	101	101	102	108	96.5
	490	92	92	93	95	99	100	102	103	108	96.5
	1761	96	96	96	97	99	99	100	102	106	94.5
45°	32	96	96	100	100	100	104	104	106	110	98.5
	616	97	97	102	101	100	105	103	105	110	98.5
	1330	98	98	98	98	100	104	102	105	110	98.5

RA-560-225-6 (2900 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

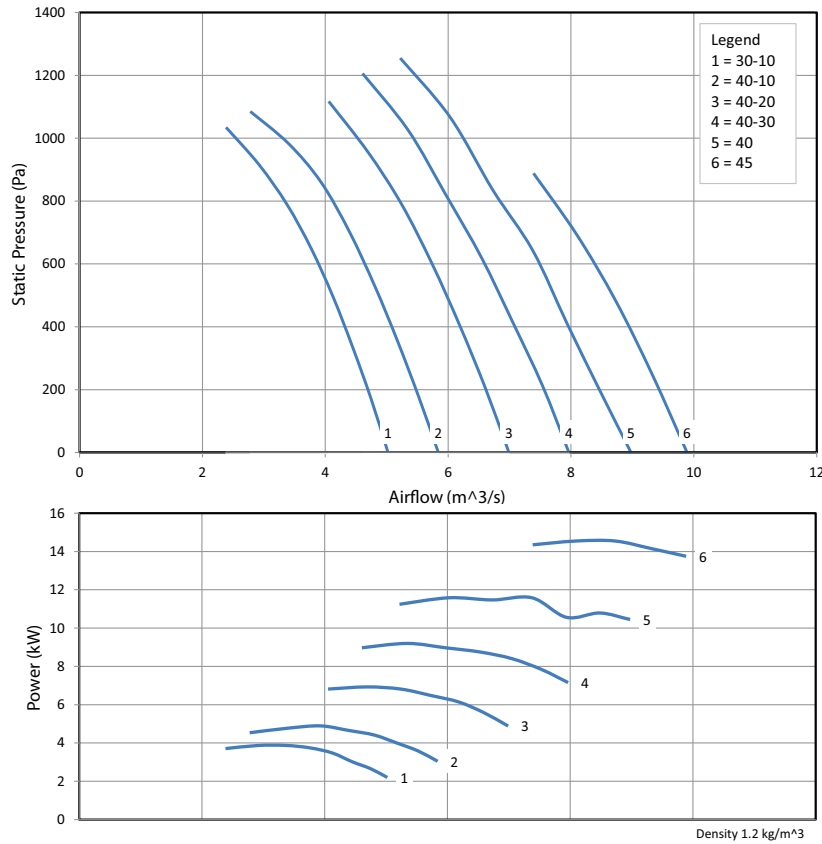


Blade Pitch	FEG
10	75
20-10	80
20-20	80
30-20	85
30-30	80
45-35	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	0	78	80	86	90	90	90	89	87	96	84.5
	588	80	81	86	92	100	98	91	86	103	91.5
	969	86	88	95	92	90	89	91	90	98	86.5
20°	7	83	85	89	90	91	90	89	88	97	85.5
	582	81	83	89	89	89	88	89	90	96	84.5
	1150	97	98	99	97	95	93	95	95	102	90.5
30-20°	10	85	85	93	99	93	92	90	89	100	88.5
	638	81	81	90	93	91	90	90	91	98	86.5
	1076	93	93	93	98	98	96	94	94	103	91.5
30°	15	87	87	86	93	95	93	93	92	100	88.5
	689	88	88	88	90	91	93	95	95	100	88.5
	1239	93	93	91	94	93	94	96	97	102	90.5
45-35°	31	90	90	89	92	96	96	96	96	103	91.5
	689	90	90	90	91	94	96	98	98	103	91.5
	1178	91	91	90	92	94	94	97	98	103	91.5

RA-560-225-6 (2900 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

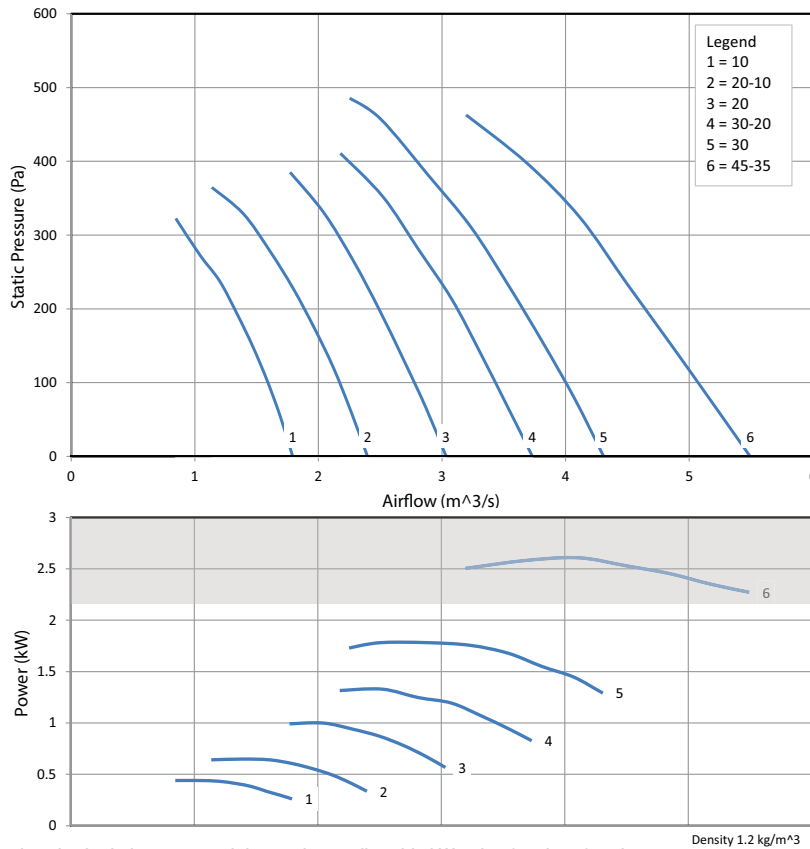


Blade Pitch	FEG
30-10	85
40-10	90
40-20	85
40-30	85
40-40	80
45-45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
30-10°	13	82	84	90	92	92	91	90	89	98	86.5
	742	81	83	89	94	98	96	91	88	102	90.5
	1090	93	97	107	96	96	93	93	93	103	91.5
40-20°	15	87	87	87	91	94	93	91	90	99	87.5
	627	85	85	88	89	91	91	91	91	98	86.5
	1071	93	93	93	94	94	94	94	94	101	89.5
40-30°	0	87	87	87	92	95	93	93	92	100	88.5
	704	88	88	88	91	93	93	95	96	101	89.5
	1178	91	91	92	91	92	93	97	97	102	90.5
40°	15	89	89	89	93	96	96	97	97	103	91.5
	735	88	88	89	92	95	96	98	98	103	91.5
	1209	92	92	91	93	94	94	96	98	102	90.5
45°	22	91	91	95	95	97	99	100	100	106	94.5
	423	93	93	97	96	97	99	99	100	106	94.5
	913	94	94	94	94	97	99	99	100	105	93.5

RA-560-225-6 (1770 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

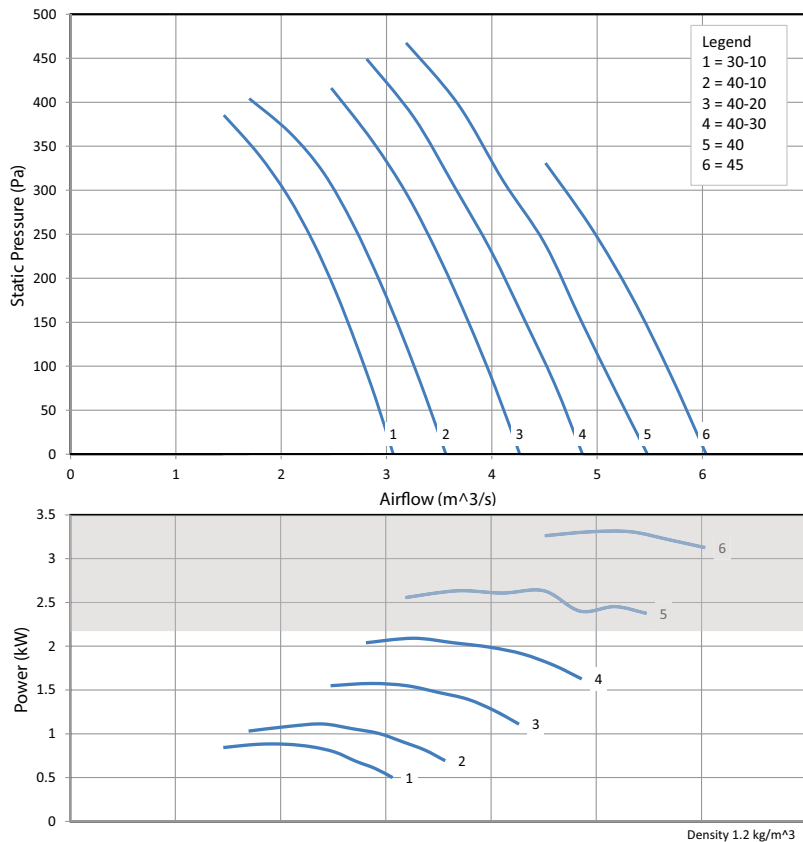


Blade Pitch	FEG
10	75
20-10	80
20-20	80
30-20	85
30-30	80
45-35	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	0	68	73	79	79	80	79	78	72	85	73.5
	219	69	74	78	89	89	81	77	73	92	80.5
	361	75	85	82	80	78	80	81	77	87	75.5
20°	2	73	78	80	80	80	79	78	76	86	74.5
	217	70	78	79	78	78	78	80	76	85	73.5
	428	86	88	87	85	82	83	86	82	91	79.5
30-20°	4	74	82	86	84	82	80	78	76	88	76.5
	238	70	79	81	81	79	79	80	77	86	74.5
	401	82	82	86	87	86	84	84	80	91	79.5
30°	6	76	76	80	84	83	82	82	79	89	77.5
	257	77	77	78	80	81	84	85	82	90	78.5
	462	82	81	82	83	82	85	86	84	91	79.5
45-35°	11	79	79	80	84	85	85	86	83	92	80.5
	257	79	79	80	83	85	86	87	84	93	81.5
	439	81	80	80	83	84	85	87	86	92	80.5

RA-560-225-6 (1770 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

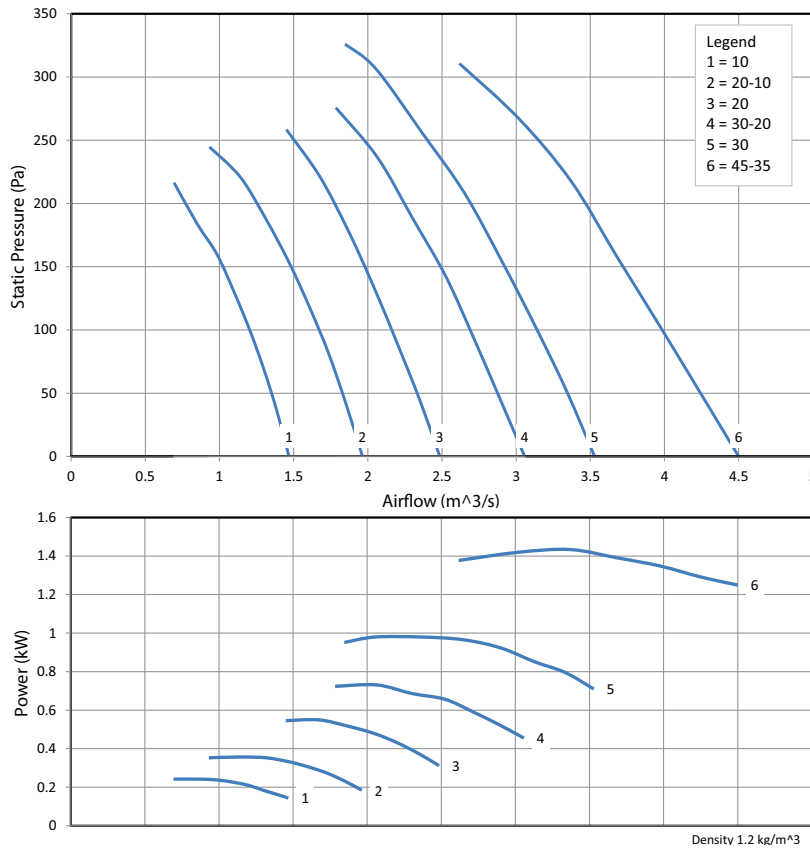


Blade Pitch	FEG
30-10	85
40-10	90
40-20	85
40-30	85
40-40	80
45-45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
30-10°	5	71	78	82	81	81	79	79	75	87	75.5
	276	70	76	82	88	87	81	78	75	90	78.5
	406	83	96	85	86	82	81	83	79	90	78.5
40-20°	6	77	77	78	82	83	81	79	77	88	76.5
	234	74	77	78	80	80	80	81	78	87	75.5
	399	83	83	83	83	83	83	83	81	90	78.5
40-30°	0	76	76	79	84	83	82	81	79	89	77.5
	262	77	77	79	81	82	84	85	83	91	79.5
	439	81	81	80	80	82	85	87	84	91	79.5
40°	6	78	78	80	85	85	86	87	84	93	81.5
	274	77	78	80	84	85	86	88	85	93	81.5
	450	81	81	82	83	83	85	87	85	92	80.5
45°	8	81	85	84	85	88	88	90	87	96	84.5
	158	82	86	86	84	89	88	90	87	95	83.5
	340	83	83	83	84	89	87	90	88	95	83.5

RA-560-225-6 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

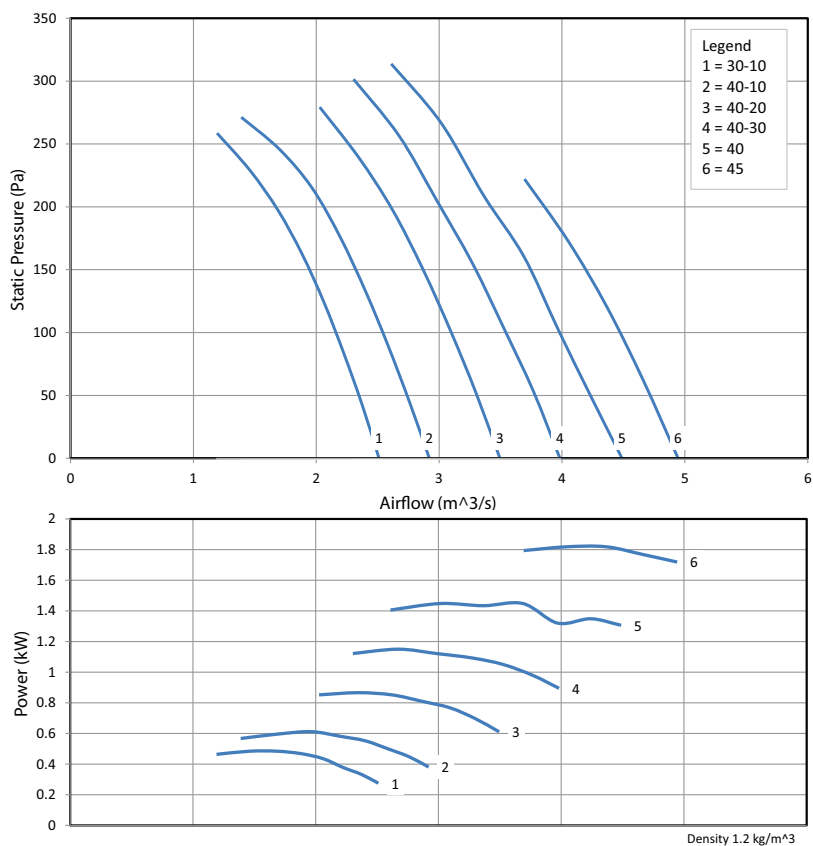


Blade Pitch	FEG
10	75
20-10	80
20-20	80
30-20	85
30-30	80
45-35	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	0	65	71	75	75	75	74	72	67	80	68.5
	147	66	71	77	85	83	76	71	67	86	74.5
	242	74	80	77	75	74	76	75	71	82	70.5
20°	2	70	74	75	76	75	74	73	71	81	69.5
	145	68	74	74	74	73	74	74	71	81	69.5
	287	83	84	82	80	78	80	80	76	86	74.5
30-20°	2	70	78	84	78	77	75	74	71	83	71.5
	159	66	75	78	76	75	75	76	72	82	70.5
	269	78	78	83	83	81	79	79	74	87	75.5
30°	4	72	71	78	79	78	78	77	74	84	72.5
	172	73	73	75	76	78	80	80	76	86	74.5
	310	78	76	79	78	79	81	82	78	87	75.5
45-35°	8	75	74	77	81	81	81	81	77	87	75.5
	172	75	75	76	79	80	83	83	78	88	76.5
	295	76	75	77	79	79	82	83	80	88	76.5

RA-560-225-6 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

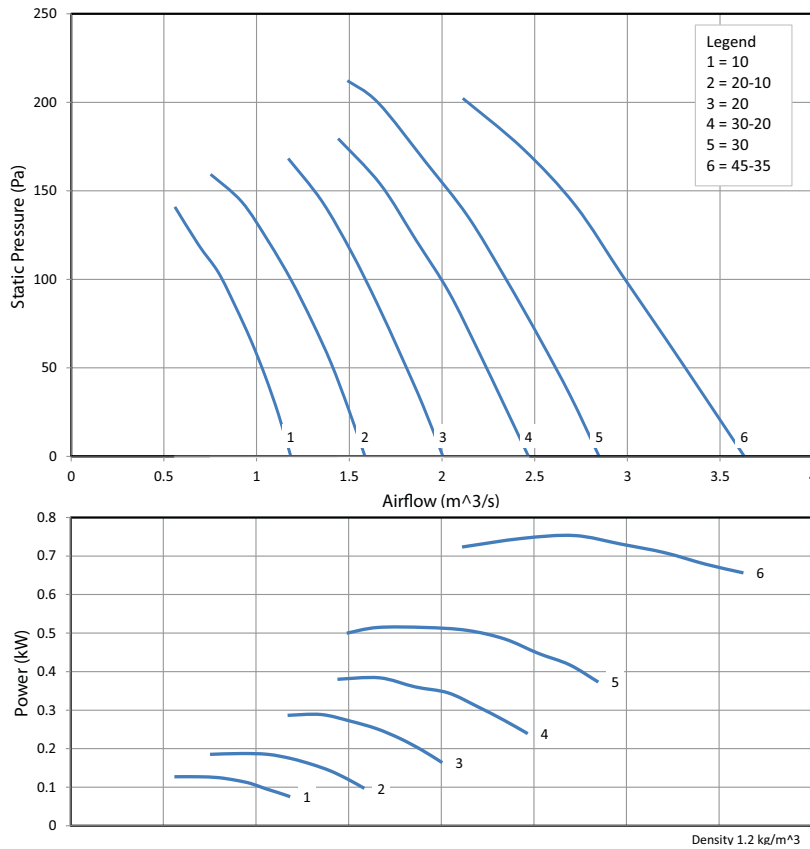


Blade Pitch	FEG
30-10	85
40-10	90
40-20	85
40-30	85
40-40	80
45-45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
30-10°	3	69	75	77	76	76	75	73	70	82	70.5
	186	68	74	79	83	81	76	73	69	85	73.5
	273	82	92	81	80	78	77	78	73	85	73.5
40-20°	4	72	72	76	79	78	76	75	71	83	71.5
	157	70	73	74	76	76	76	76	73	83	71.5
	268	78	78	79	79	79	79	79	75	86	74.5
40-30°	0	72	72	77	80	78	78	77	74	84	72.5
	176	73	73	75	78	78	80	80	77	86	74.5
	295	76	77	76	77	78	82	82	78	87	75.5
40°	4	74	74	78	81	81	82	82	78	88	76.5
	184	73	74	77	80	80	83	83	79	89	77.5
	302	77	76	78	79	79	81	83	80	88	76.5
45°	5	76	80	80	82	84	85	85	81	91	79.5
	106	78	82	81	82	84	84	85	81	91	79.5
	228	78	79	79	82	84	83	85	82	90	78.5

RA-560-225-6 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

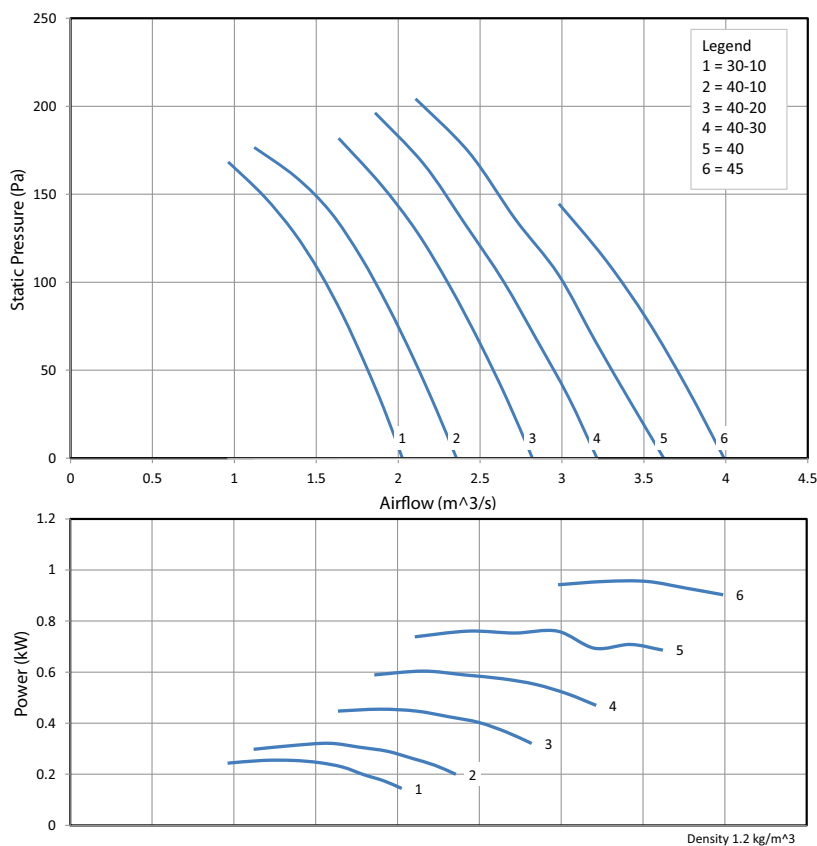


Blade Pitch	FEG
10	75
20-10	80
20-20	80
30-20	85
30-30	80
45-35	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	0	62	68	70	71	70	69	65	60	75	63.5
	96	63	68	76	80	76	70	65	61	80	68.5
	158	72	76	72	70	70	71	69	65	77	65.5
20°	1	67	70	71	71	70	69	68	65	76	64.5
	95	66	69	69	69	69	70	69	65	76	64.5
	187	79	79	77	74	74	76	74	70	81	69.5
30-20°	2	68	75	77	73	72	70	68	65	77	65.5
	104	64	71	72	71	70	71	70	66	77	65.5
	175	73	75	78	78	75	75	73	68	81	69.5
30°	2	67	67	76	74	73	73	72	68	80	68.5
	112	68	68	71	72	74	76	75	70	81	69.5
	202	73	71	75	73	74	78	77	71	83	71.5
45-35°	5	70	69	74	77	76	77	76	71	83	71.5
	112	70	70	72	76	76	79	78	72	84	72.5
	192	72	70	73	75	75	78	79	74	84	72.5

RA-560-225-6 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

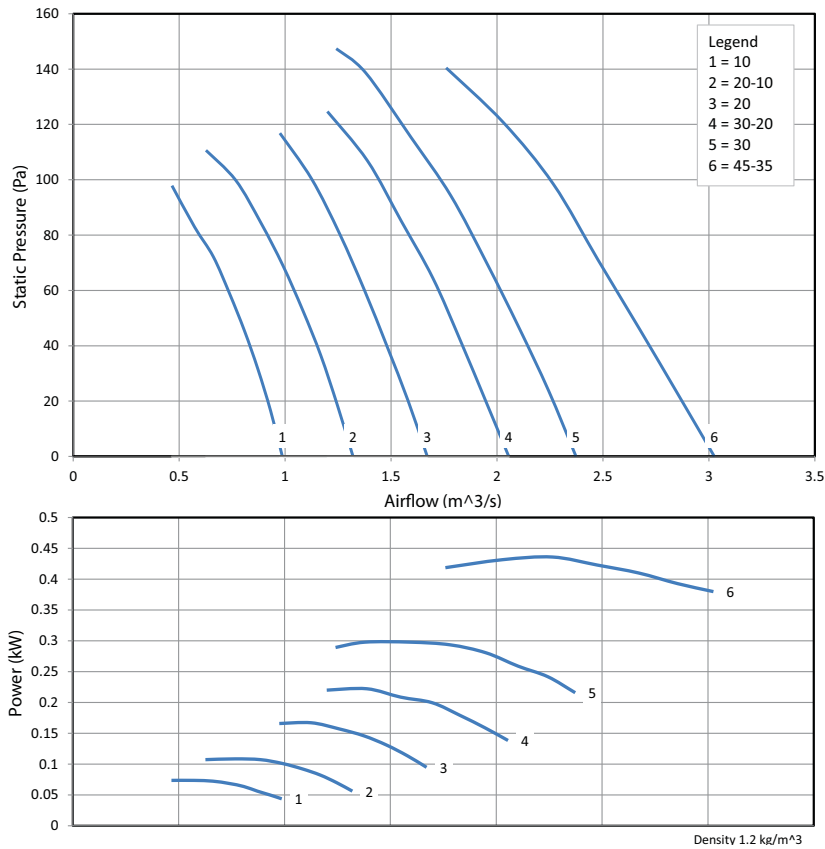


Blade Pitch	FEG
30-10	85
40-10	90
40-20	85
40-30	85
40-40	80
45-45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
30-10°	2	66	72	72	72	71	70	68	64	77	65.5
	121	65	71	77	79	74	70	67	64	80	68.5
	177	82	87	77	75	73	73	72	67	80	68.5
40-20°	2	68	67	73	74	73	71	70	65	78	66.5
	102	65	68	70	72	71	72	72	66	78	66.5
	174	74	74	74	74	74	75	74	69	81	69.5
40-30°	0	67	67	74	75	73	73	72	68	79	67.5
	115	68	68	72	73	74	77	75	71	82	70.5
	192	72	72	71	72	74	78	77	72	83	71.5
40°	2	69	69	75	77	76	78	78	72	84	72.5
	120	68	69	74	75	76	79	78	72	84	72.5
	197	72	71	74	75	74	77	78	74	83	71.5
45°	4	72	76	75	78	79	81	80	75	86	74.5
	69	73	77	75	79	79	81	80	75	86	74.5
	149	74	74	74	79	78	80	80	76	86	74.5

RA-560-225-6 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

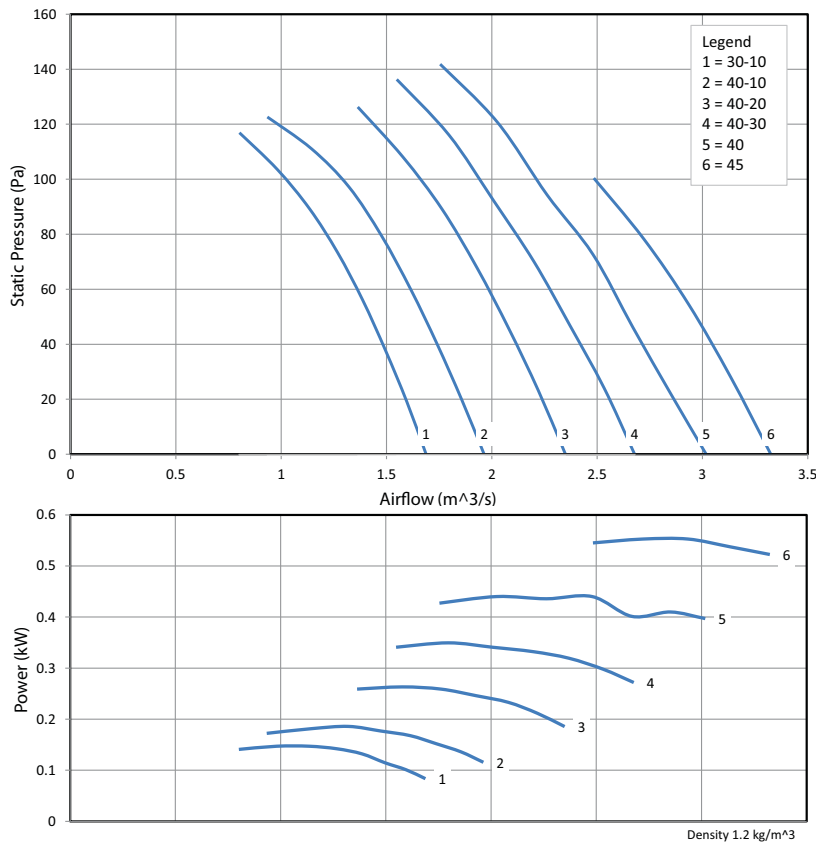


Blade Pitch	FEG
10	75
20-10	80
20-20	80
30-20	85
30-30	80
45-35	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	0	60	65	66	67	66	65	60	55	71	59.5
	67	60	65	75	76	69	65	60	56	76	64.5
	110	71	72	67	65	66	68	64	60	73	61.5
20°	1	64	66	67	67	66	65	63	61	72	60.5
	66	64	66	65	65	65	67	64	60	72	60.5
	130	75	76	73	70	70	73	69	65	77	65.5
30-20°	1	66	73	72	69	67	66	63	60	73	61.5
	72	63	68	68	66	66	67	65	61	73	61.5
	122	69	72	74	73	71	71	68	63	77	65.5
30°	2	63	65	72	70	69	69	67	62	75	63.5
	78	64	65	67	68	70	72	70	64	77	65.5
	140	69	68	71	69	71	73	71	66	78	66.5
45-35°	3	66	67	71	73	72	73	71	66	78	66.5
	78	66	67	69	72	73	75	72	66	80	68.5
	133	67	67	69	71	72	74	73	69	80	68.5

RA-560-225-6 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

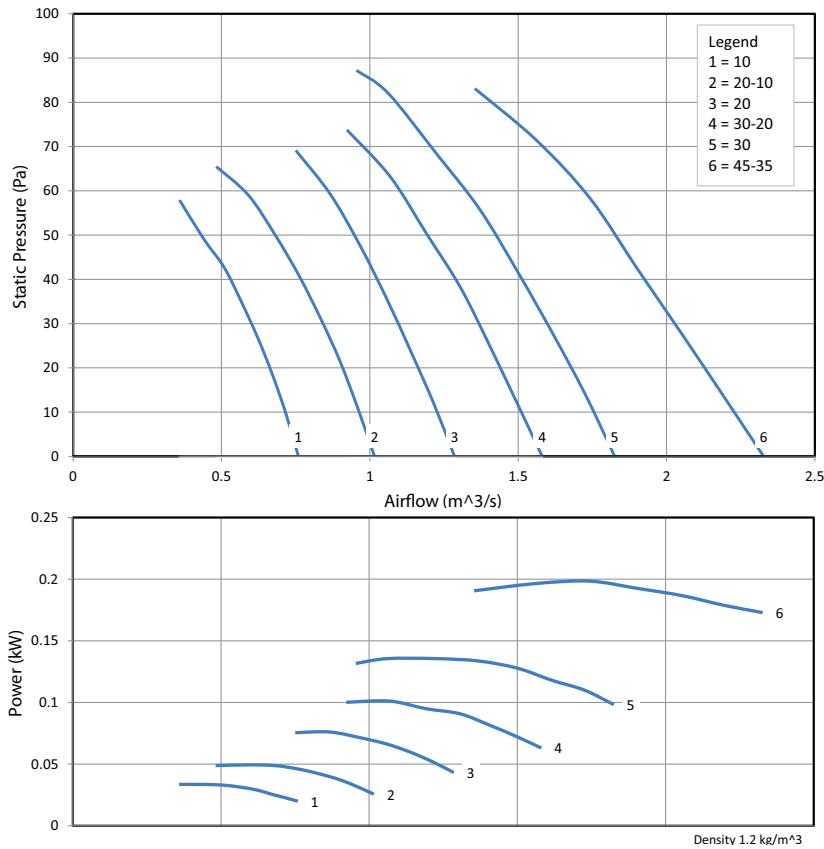


Blade Pitch	FEG
30-10	85
40-10	90
40-20	85
40-30	85
40-40	80
45-45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
30-10°	1	64	69	68	68	67	66	63	59	72	60.5
	84	63	68	74	74	69	66	62	59	75	63.5
	123	81	83	73	70	68	70	66	62	76	64.5
40-20°	2	64	65	69	70	68	67	65	60	74	62.5
	71	62	64	66	67	67	68	66	61	74	62.5
	121	70	70	70	70	70	71	69	63	76	64.5
40-30°	0	63	65	71	71	69	69	67	63	75	63.5
	79	64	65	68	69	71	72	70	66	77	65.5
	133	68	68	67	69	71	74	72	67	79	67.5
40°	2	65	67	72	73	73	74	72	66	79	67.5
	83	64	66	70	72	73	75	73	66	80	68.5
	137	68	68	70	71	71	74	73	68	79	67.5
45°	2	68	72	71	76	75	78	75	70	83	71.5
	48	69	73	71	77	74	77	75	69	82	70.5
	103	70	70	71	76	73	77	75	71	82	70.5

RA-560-225-6 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

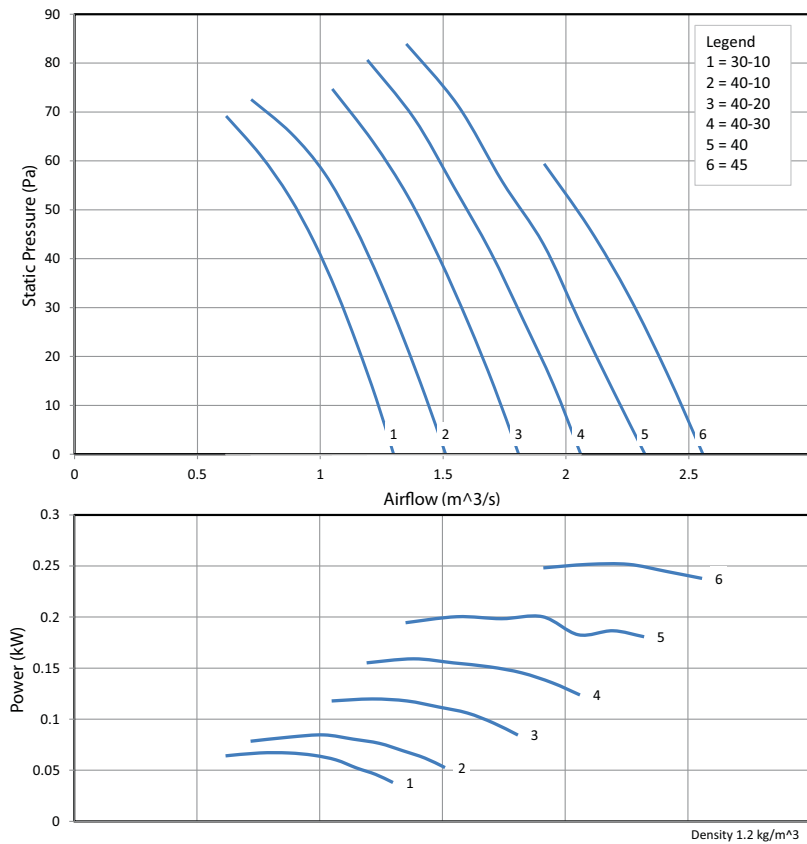


Blade Pitch	FEG
10	75
20-10	80
20-20	80
30-20	85
30-30	80
45-35	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	0	60	65	66	67	66	65	60	55	71	59.5
	67	60	65	75	76	69	65	60	56	76	64.5
	110	71	72	67	65	66	68	64	60	73	61.5
20°	1	64	66	67	67	66	65	63	61	72	60.5
	66	64	66	65	65	65	67	64	60	72	60.5
	130	75	76	73	70	70	73	69	65	77	65.5
30-20°	1	66	73	72	69	67	66	63	60	73	61.5
	72	63	68	68	66	66	67	65	61	73	61.5
	122	69	72	74	73	71	71	68	63	77	65.5
30°	2	63	65	72	70	69	69	67	62	75	63.5
	78	64	65	67	68	70	72	70	64	77	65.5
	140	69	68	71	69	71	73	71	66	78	66.5
45-35°	3	66	67	71	73	72	73	71	66	78	66.5
	78	66	67	69	72	73	75	72	66	80	68.5
	133	67	67	69	71	72	74	73	69	80	68.5

RA-560-225-6 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

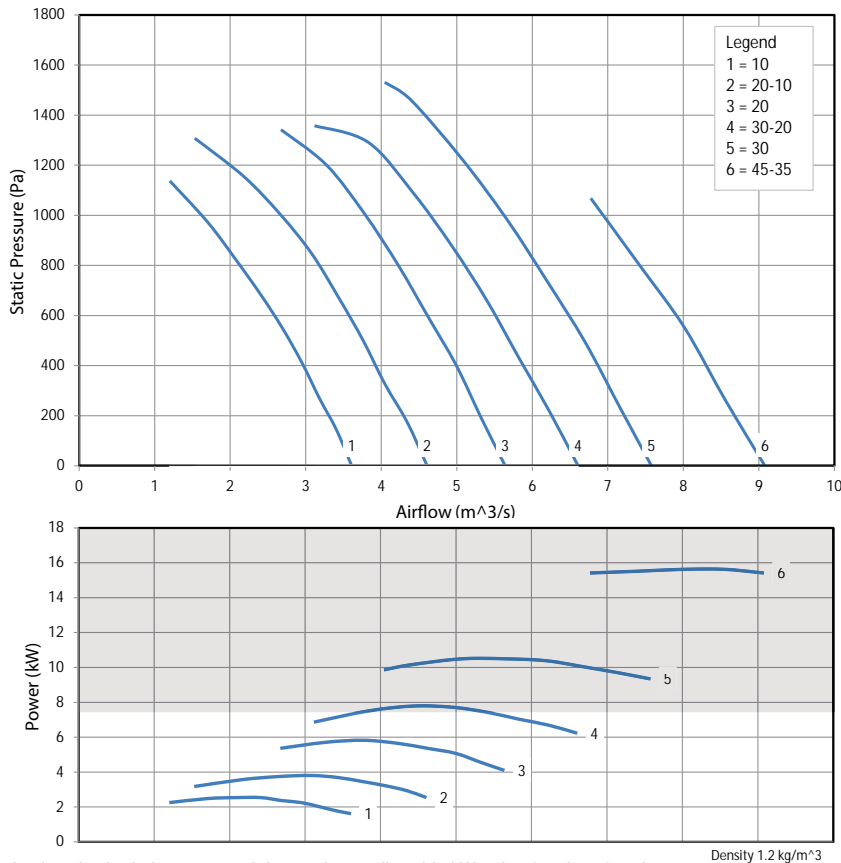


Blade Pitch	FEG
30-10	85
40-10	90
40-20	85
40-30	85
40-40	80
45-45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
30-10°	1	64	69	68	68	67	66	63	59	72	60.5
	84	63	68	74	74	69	66	62	59	75	63.5
	123	81	83	73	70	68	70	66	62	76	64.5
40-20°	2	64	65	69	70	68	67	65	60	74	62.5
	71	62	64	66	67	67	68	66	61	74	62.5
	121	70	70	70	70	70	71	69	63	76	64.5
40-30°	0	63	65	71	71	69	69	67	63	75	63.5
	79	64	65	68	69	71	72	70	66	77	65.5
	133	68	68	67	69	71	74	72	67	79	67.5
40°	2	65	67	72	73	73	74	72	66	79	67.5
	83	64	66	70	72	73	75	73	66	80	68.5
	137	68	68	70	71	71	74	73	68	79	67.5
45°	2	68	72	71	76	75	78	75	70	83	71.5
	48	69	73	71	77	74	77	75	69	82	70.5
	103	70	70	71	76	73	77	75	71	82	70.5

RA-560-325-225-4 (3500 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

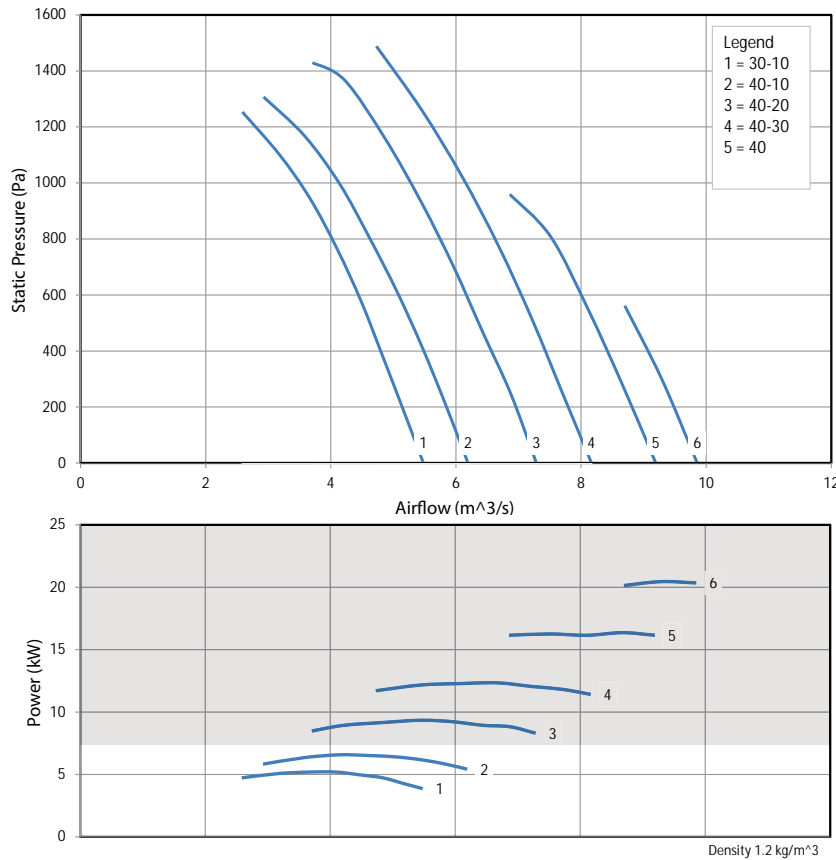


Blade Pitch	FEG
10	75
20-10	80
20-20	80
30-20	75
30-30	75
45-35	71

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	0	84	84	82	97	92	92	92	91	100	88.5
	633	86	86	81	96	97	98	93	90	103	91.5
	1062	95	95	93	100	100	97	94	94	104	92.5
20°	10	87	86	85	96	94	93	92	91	100	88.5
	623	84	84	83	96	93	91	90	94	100	88.5
	1315	94	94	94	100	105	100	96	99	108	96.5
30-20°	10	92	92	88	96	96	95	95	93	102	90.5
	701	87	87	86	94	95	93	93	96	101	89.5
	1227	89	89	89	98	98	96	97	99	104	92.5
30°	19	93	93	90	97	98	97	94	97	104	92.5
	779	89	89	86	97	97	96	96	99	104	92.5
	1403	91	91	89	98	96	95	95	100	104	92.5
45-35°	29	97	97	102	98	99	99	99	100	106	94.5
	784	94	94	102	96	99	98	98	100	106	94.5
	1147	96	96	98	96	98	98	97	100	105	93.5

RA-560-325-225-4 (3500 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).



Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

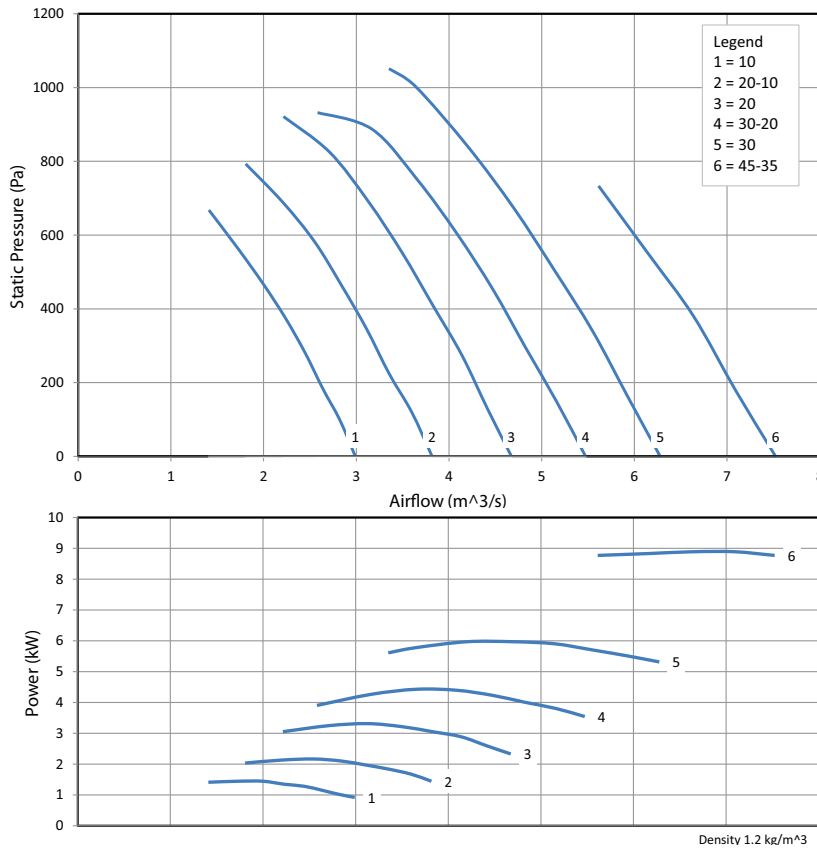


Blade Pitch	FEG
30-10	80
40-10	75
40-20	80
40-30	75
40-40	67
45-45	60

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
30-10°	10	89	89	84	95	96	95	92	91	101	89.5
	692	83	83	82	97	95	92	91	90	100	88.5
	1237	96	96	95	103	105	99	95	96	108	96.5
40-20°	19	95	95	90	94	99	96	95	93	103	91.5
	740	88	88	86	93	97	95	93	96	102	90.5
	1286	89	89	89	94	98	96	96	99	104	92.5
40-30°	19	96	96	91	96	99	98	96	98	104	92.5
	847	91	91	88	96	97	97	96	100	104	92.5
	1403	96	96	90	97	97	95	95	100	104	92.5
40°	15	98	98	99	98	100	100	101	102	107	95.5
	479	95	95	99	97	99	99	99	102	106	94.5
	827	96	96	98	95	98	98	98	101	106	94.5
45°	29	97	97	98	100	102	101	100	103	108	96.5
	610	106	106	102	102	103	101	100	101	108	96.5
	885	112	112	110	106	104	102	100	99	110	98.5

RA-560-325-225-4 (2900 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

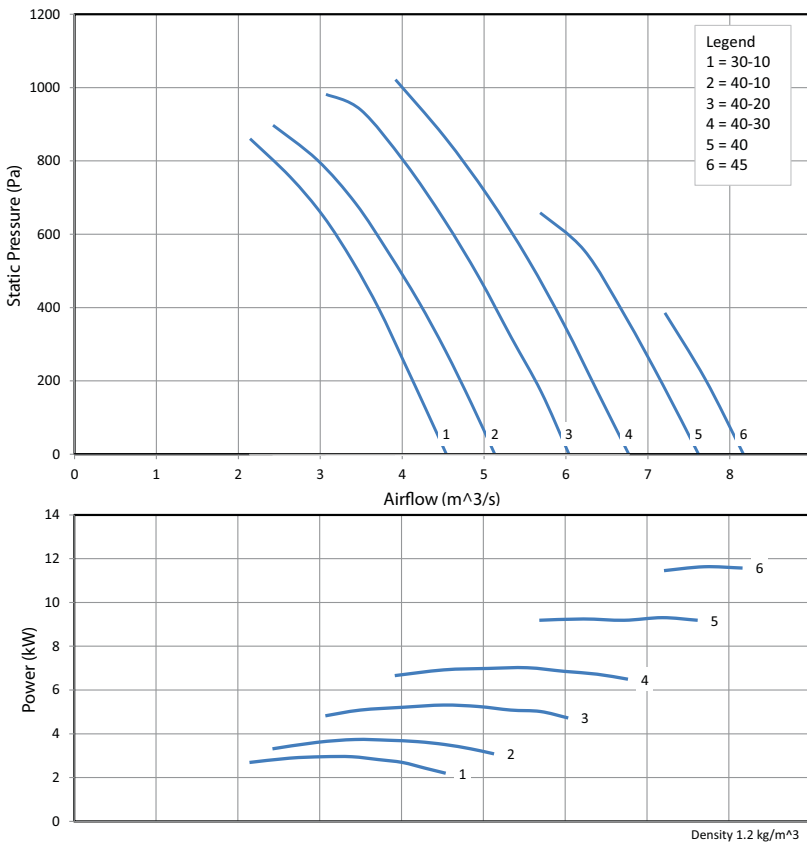


Blade Pitch	FEG
10	75
20-10	80
20-20	80
30-20	75
30-30	75
45-35	71

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	0	79	79	81	91	87	88	87	85	94	82.5
	308	78	77	79	90	87	87	86	84	94	82.5
	729	91	90	91	96	95	92	90	89	99	87.5
20°	7	82	82	84	91	89	88	87	86	95	83.5
	428	79	79	82	91	88	86	87	89	95	83.5
	903	90	89	91	97	99	95	93	93	103	91.5
30-20°	7	87	86	86	92	92	91	90	88	97	85.5
	481	83	82	84	90	90	89	89	91	97	85.5
	842	85	85	87	93	93	92	93	94	100	88.5
30°	13	88	88	88	93	93	91	91	92	99	87.5
	535	84	83	85	93	92	92	93	94	99	87.5
	963	86	86	87	93	91	90	92	95	99	87.5
45-35°	20	93	93	97	92	96	94	95	96	102	90.5
	538	89	89	98	89	96	93	94	97	101	89.5
	787	92	92	94	90	95	92	93	97	101	89.5

RA-560-325-225-4 (2900 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

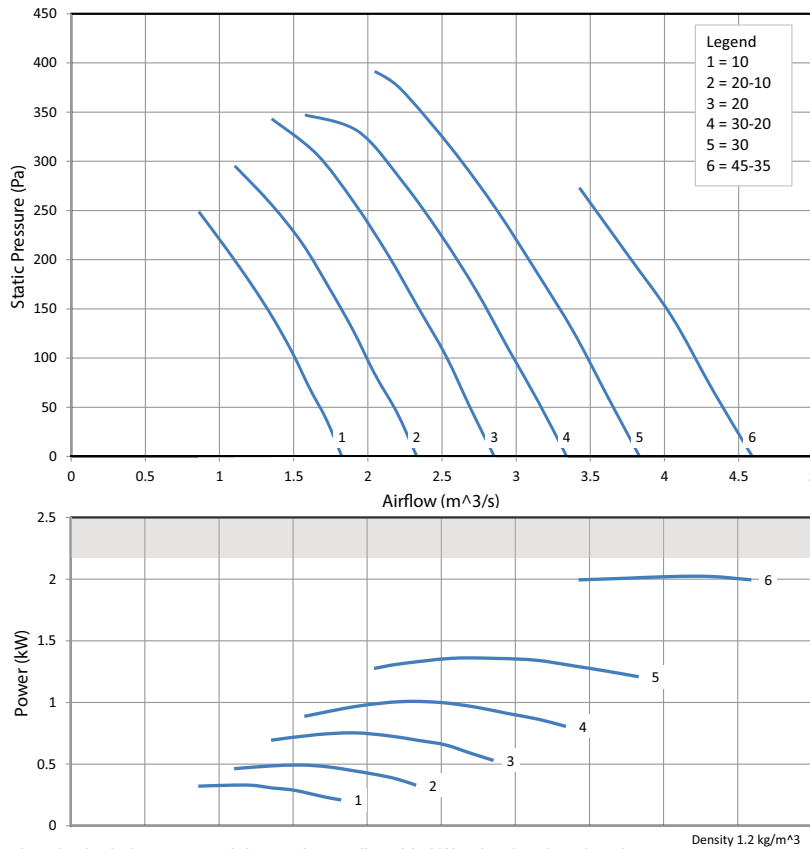


Blade Pitch	FEG
30-10	80
40-10	75
40-20	80
40-30	75
40-40	67
45-45	60

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
30-10°	7	85	83	83	91	91	89	87	86	96	84.5
	475	79	78	81	92	89	87	87	85	95	83.5
	849	91	91	93	99	99	94	91	91	102	90.5
40-20°	13	90	89	87	91	94	91	90	88	98	86.5
	508	83	83	84	90	92	90	89	91	97	85.5
	883	85	85	86	90	93	91	92	94	99	87.5
40-30°	13	92	90	88	92	94	93	92	93	100	88.5
	582	87	86	86	92	93	92	93	95	100	88.5
	963	91	89	87	92	92	91	92	95	99	87.5
40°	10	94	94	95	93	96	95	96	98	103	91.5
	329	90	90	94	92	96	94	95	98	102	90.5
	568	91	91	94	90	95	93	94	98	102	90.5
45°	20	93	93	93	96	99	96	96	99	104	92.5
	319	93	93	92	93	97	95	95	98	103	91.5
	608	108	108	105	100	100	96	95	94	105	93.5

RA-560-325-225-4 (1770 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

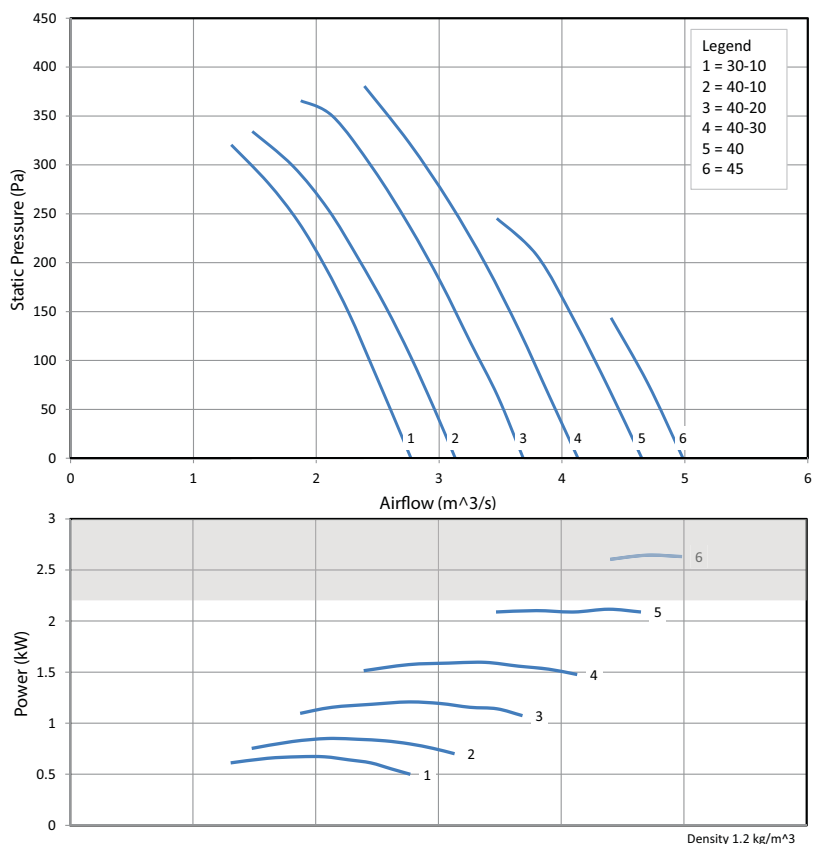


Blade Pitch	FEG
10	75
20-10	80
20-20	80
30-20	75
30-30	75
45-35	71

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	0	79	79	81	91	87	88	87	85	94	82.5
	308	78	77	79	90	87	87	86	84	94	82.5
	729	91	90	91	96	95	92	90	89	99	87.5
20°	7	82	82	84	91	89	88	87	86	95	83.5
	428	79	79	82	91	88	86	87	89	95	83.5
	903	90	89	91	97	99	95	93	93	103	91.5
30-20°	7	87	86	86	92	92	91	90	88	97	85.5
	481	83	82	84	90	90	89	89	91	97	85.5
	842	85	85	87	93	93	92	93	94	100	88.5
30°	13	88	88	88	93	93	91	91	92	99	87.5
	535	84	83	85	93	92	92	93	94	99	87.5
	963	86	86	87	93	91	90	92	95	99	87.5
45-35°	20	93	93	97	92	96	94	95	96	102	90.5
	538	89	89	98	89	96	93	94	97	101	89.5
	787	92	92	94	90	95	92	93	97	101	89.5

RA-560-325-225-4 (1770 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

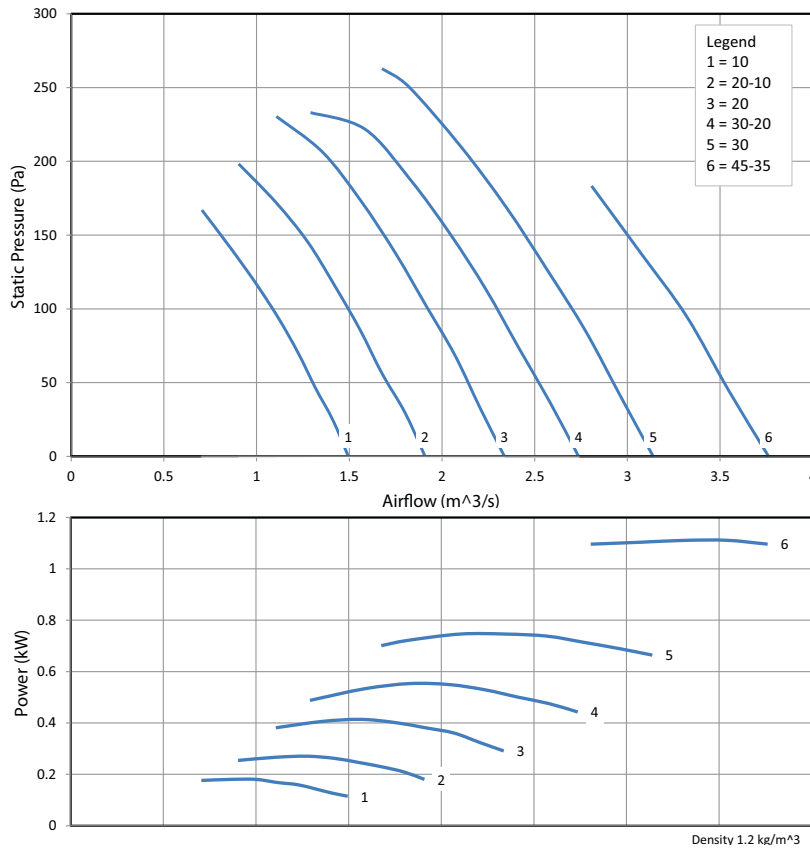


Blade Pitch	FEG
30-10	80
40-10	75
40-20	80
40-30	75
40-40	67
45-45	60

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
30-10°	2	74	69	80	81	79	77	76	73	85	73.5
	177	68	66	81	80	76	76	75	74	83	71.5
	316	81	80	88	89	84	80	81	77	90	78.5
40-20°	5	80	75	78	84	81	79	78	76	87	75.5
	189	73	71	78	82	80	77	81	78	86	74.5
	329	74	74	78	83	80	81	84	81	89	77.5
40-30°	5	81	75	81	83	82	81	83	80	89	77.5
	217	76	73	81	82	81	81	85	82	90	78.5
	359	80	74	82	82	80	80	85	83	89	77.5
40°	4	83	84	83	85	85	85	87	85	93	81.5
	123	80	84	82	84	84	84	86	85	92	80.5
	211	80	83	80	83	83	83	86	85	91	79.5
45°	7	82	83	84	87	86	85	87	86	93	81.5
	119	82	81	82	85	85	84	87	86	92	80.5
	226	97	95	91	89	86	84	83	79	93	81.5

RA-560-325-225-4 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

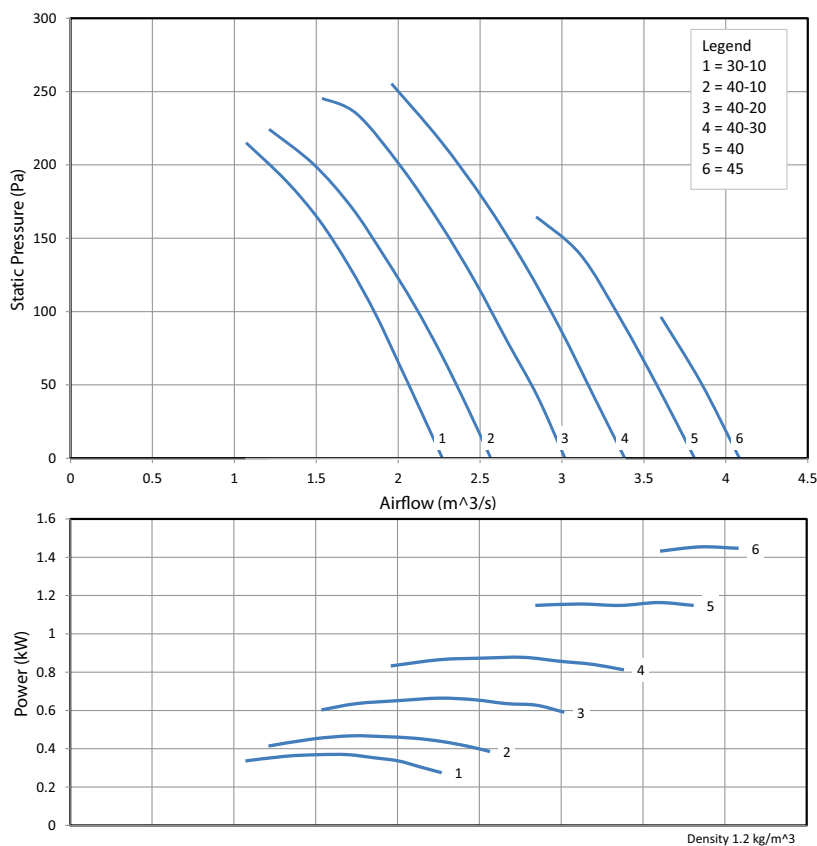


Blade Pitch	FEG
10	75
20-10	80
20-20	80
30-20	75
30-30	75
45-35	71

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	0	64	66	76	72	73	72	70	66	78	66.5
	77	62	64	75	72	72	71	69	67	78	66.5
	182	75	76	81	80	76	75	74	70	83	71.5
20°	2	66	69	76	74	73	72	71	69	79	67.5
	107	64	67	76	73	71	72	74	71	79	67.5
	226	74	76	82	84	80	77	78	74	86	74.5
30-20°	2	71	71	77	77	76	75	73	70	81	69.5
	120	67	68	75	75	74	74	76	73	81	69.5
	211	70	72	78	78	77	78	79	75	85	73.5
30°	3	73	72	78	78	76	75	77	74	83	71.5
	134	68	70	78	77	76	77	79	76	84	72.5
	241	71	72	78	76	75	77	80	78	85	73.5
45-35°	5	78	82	77	81	79	80	81	77	87	75.5
	135	74	83	74	81	78	78	82	78	87	75.5
	197	77	78	75	80	77	77	82	79	86	74.5

RA-560-325-225-4 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

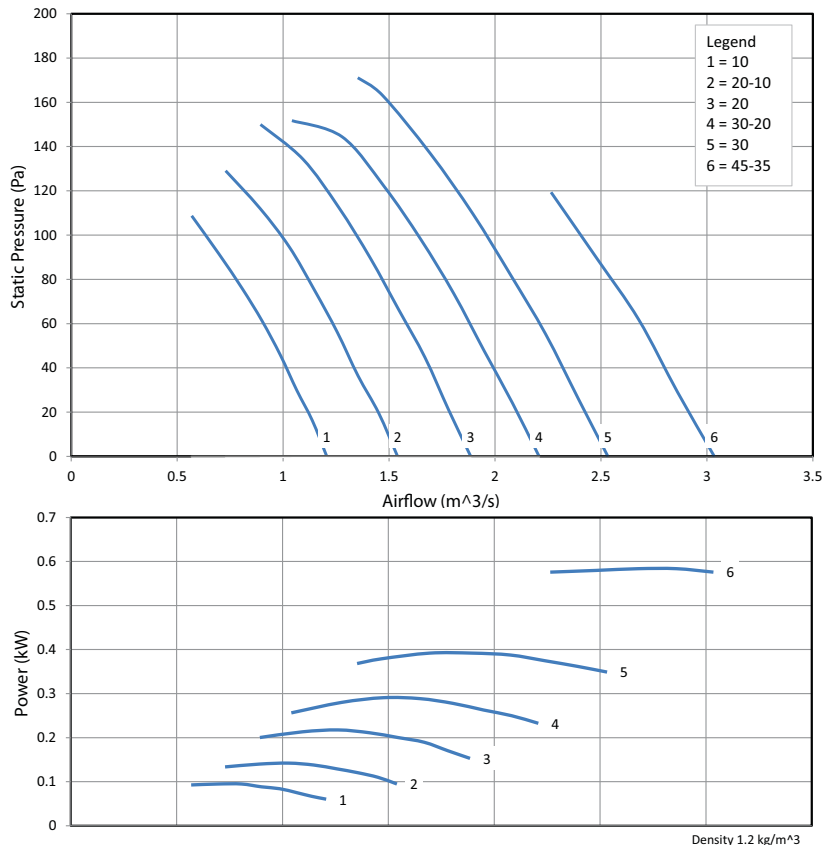


Blade Pitch	FEG
30-10	80
40-10	75
40-20	80
40-30	75
40-40	67
45-45	60

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
30-10°	2	68	68	76	76	74	72	71	68	80	68.5
	119	63	66	77	74	72	71	70	69	79	67.5
	212	76	78	84	84	78	76	76	72	85	73.5
40-20°	3	74	72	76	78	76	75	73	72	82	70.5
	127	68	68	75	77	75	74	76	73	82	70.5
	221	70	71	75	78	76	77	79	76	84	72.5
40-30°	3	75	73	77	79	78	77	78	75	84	72.5
	145	71	71	77	78	77	78	80	76	85	73.5
	241	74	72	77	77	76	77	80	78	85	73.5
40°	2	79	80	78	81	80	81	83	79	88	76.5
	82	75	79	77	81	79	80	83	79	88	76.5
	142	76	79	75	80	78	78	83	79	87	75.5
45°	5	77	78	81	84	81	81	84	80	89	77.5
	80	77	77	78	82	80	80	83	80	88	76.5
	152	93	89	85	85	81	80	79	73	88	76.5

RA-560-325-225-4 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

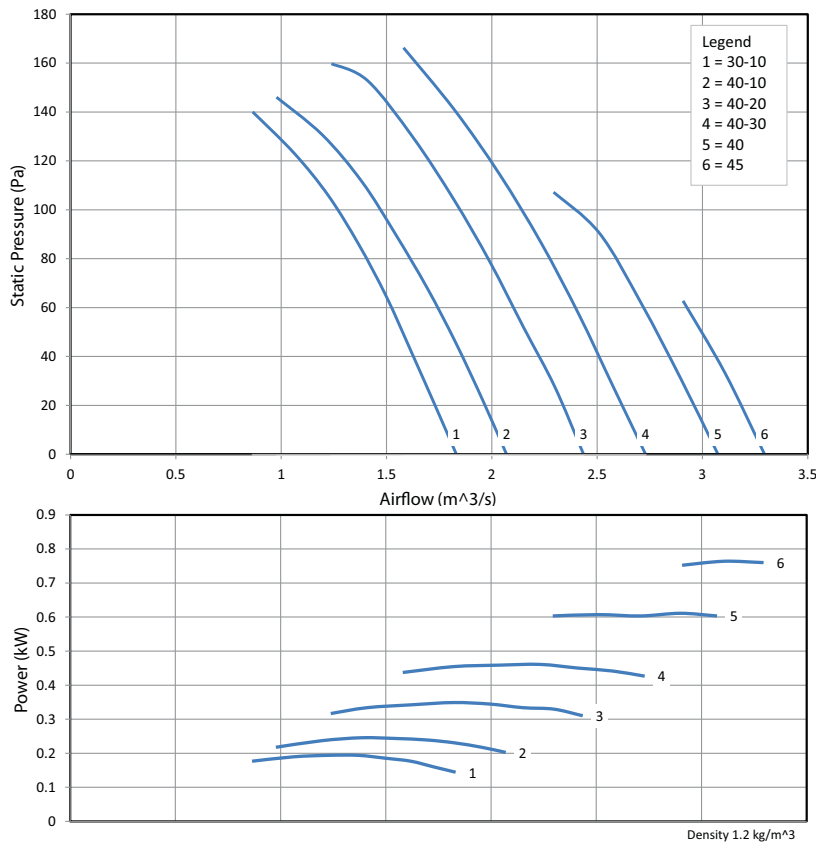


Blade Pitch	FEG
10	75
20-10	80
20-20	80
30-20	75
30-30	75
45-35	71

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	0	58	67	70	68	68	67	64	60	73	61.5
	50	56	64	69	67	67	66	64	62	72	60.5
	119	70	73	76	74	71	70	68	64	77	65.5
20°	1	61	67	71	69	68	67	66	64	74	62.5
	70	59	67	70	68	66	68	68	65	74	62.5
	147	69	73	79	78	74	74	72	68	81	69.5
30-20°	1	65	69	72	72	71	69	67	65	76	64.5
	78	62	67	71	70	69	70	70	67	77	65.5
	137	65	70	74	73	72	74	73	70	80	68.5
30°	2	67	70	73	73	71	72	71	68	78	66.5
	87	63	68	73	72	72	74	73	70	80	68.5
	157	65	70	73	71	71	74	75	73	80	68.5
45-35°	3	78	76	73	76	75	75	75	71	82	70.5
	88	78	75	72	75	73	75	76	73	82	70.5
	128	74	73	72	75	73	74	76	74	81	69.5

RA-560-325-225-4 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

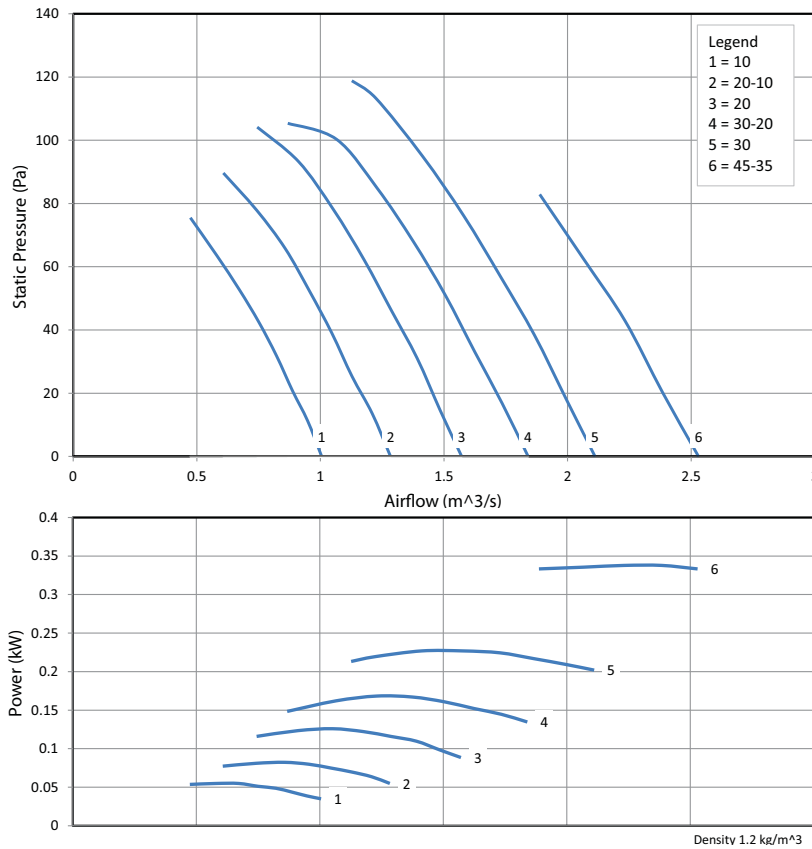


Blade Pitch	FEG
30-10	80
40-10	75
40-20	80
40-30	75
40-40	67
45-45	60

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
30-10°	1	62	66	71	71	69	67	65	62	75	63.5
	77	58	66	71	69	67	67	65	64	74	62.5
	138	71	76	80	77	72	72	70	66	80	68.5
40-20°	2	68	68	72	73	71	69	68	67	77	65.5
	83	63	66	71	72	69	70	70	68	77	65.5
	144	65	68	72	72	72	74	73	70	79	67.5
40-30°	2	69	70	73	74	72	73	72	70	79	67.5
	95	65	68	73	73	72	74	74	71	80	68.5
	157	68	70	73	72	71	74	74	73	80	68.5
40°	2	75	74	74	76	76	77	77	73	83	71.5
	54	75	74	73	75	75	76	77	73	83	71.5
	92	74	73	72	75	74	75	77	74	82	70.5
45°	3	74	74	77	78	76	77	78	74	84	72.5
	52	73	72	74	77	75	76	78	75	83	71.5
	99	87	84	80	79	76	75	72	67	82	70.5

RA-560-325-225-4 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

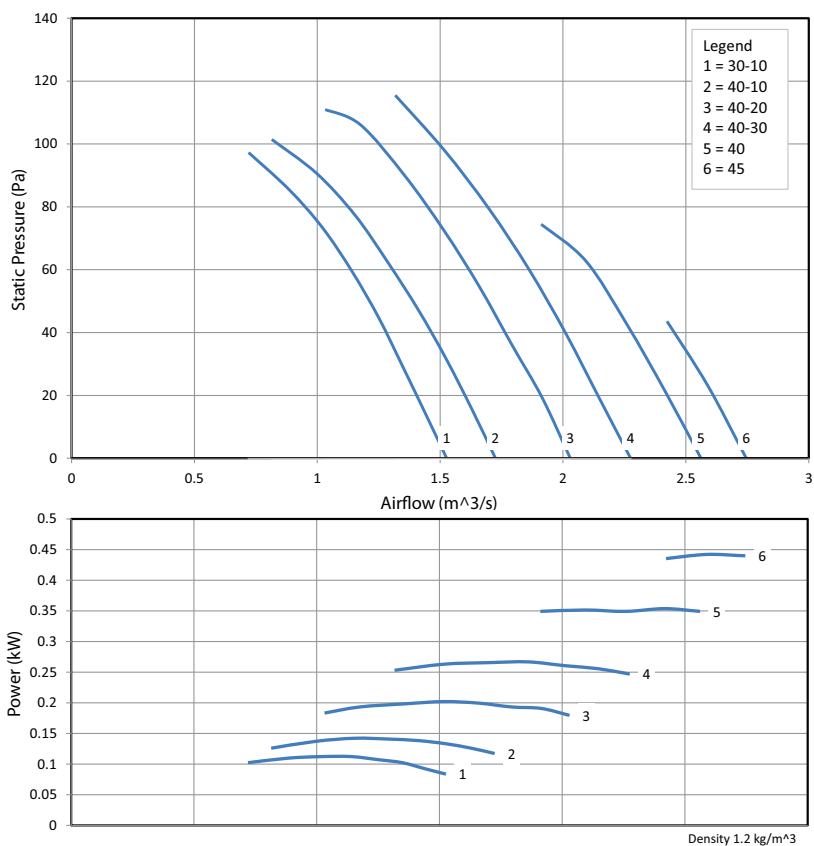


Blade Pitch	FEG
10	75
20-10	80
20-20	80
30-20	75
30-30	75
45-35	71

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	0	54	67	64	64	64	63	59	55	69	57.5
	35	52	65	64	63	63	62	59	57	68	56.5
	82	65	71	72	69	66	66	63	59	73	61.5
20°	1	57	66	66	65	64	63	61	59	70	58.5
	48	55	66	66	63	62	65	63	61	71	59.5
	102	65	71	76	73	69	70	67	63	76	64.5
30-20°	1	60	67	68	67	66	65	62	60	72	60.5
	54	58	65	67	66	65	67	65	63	73	61.5
	95	61	68	70	68	68	71	68	65	76	64.5
30°	1	62	68	70	69	66	68	66	63	74	62.5
	61	58	67	69	68	68	71	68	65	76	64.5
	109	61	69	68	67	67	71	70	68	76	64.5
45-35°	2	74	70	70	71	71	72	70	67	78	66.5
	61	74	69	69	70	69	72	71	68	78	66.5
	89	70	68	69	70	69	71	72	69	77	65.5

RA-560-325-225-4 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

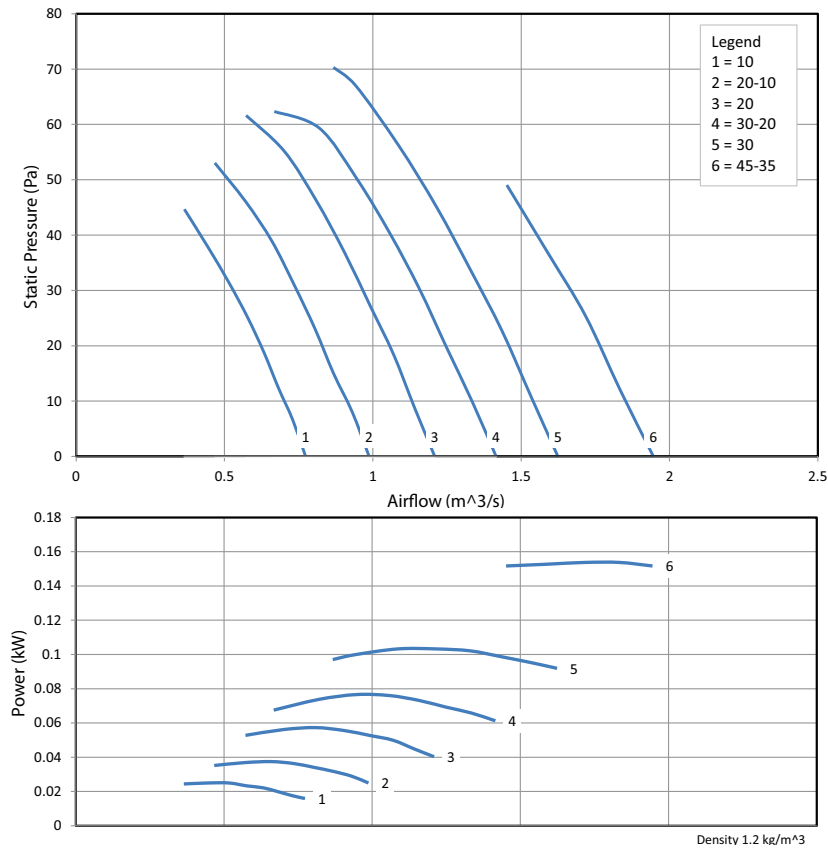


Blade Pitch	FEG
30-10	80
40-10	75
40-20	80
40-30	75
40-40	67
45-45	60

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
30-10°	1	57	65	68	67	64	63	60	58	70	58.5
	54	53	66	67	64	63	62	61	60	69	57.5
	96	67	74	76	72	67	68	65	61	75	63.5
40-20°	1	63	65	70	68	67	65	64	62	72	60.5
	58	58	64	69	67	65	67	66	63	73	61.5
	100	61	65	69	68	68	70	68	65	76	64.5
40-30°	1	63	67	70	70	68	70	68	65	75	63.5
	66	60	66	69	69	68	71	69	66	76	64.5
	109	62	68	69	67	67	71	70	68	76	64.5
40°	1	71	70	71	72	72	74	72	68	79	67.5
	37	71	69	70	71	71	73	72	69	79	67.5
	64	70	68	69	70	70	72	72	69	78	66.5
45°	2	70	71	74	73	72	74	73	70	80	68.5
	36	68	69	72	72	71	73	73	70	79	67.5
	69	82	78	76	74	72	71	67	62	78	66.5

RA-560-325-225-4 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

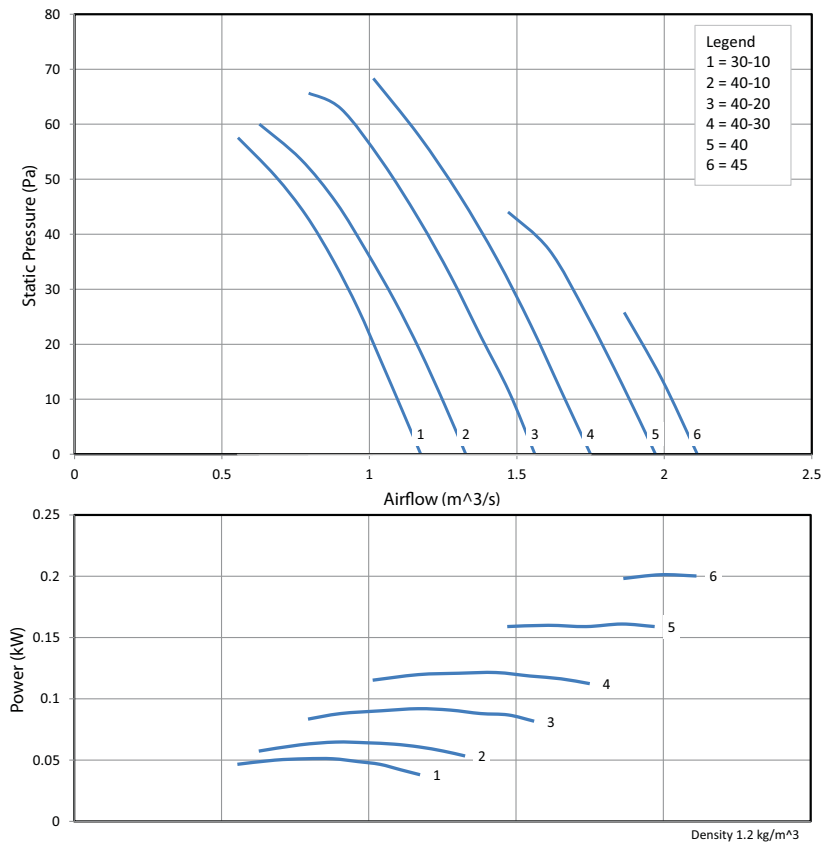


Blade Pitch	FEG
10	75
20-10	80
20-20	80
30-20	75
30-30	75
45-35	71

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	0	51	62	58	58	58	56	52	47	62	50.5
	21	49	60	58	57	56	55	53	50	62	50.5
	49	61	67	66	62	60	60	56	52	66	54.5
20°	0	54	62	60	59	58	57	55	53	64	52.5
	29	52	62	59	57	57	60	57	54	65	53.5
	60	61	67	70	65	63	64	60	56	70	58.5
30-20°	0	56	62	62	61	60	58	56	53	65	53.5
	32	54	61	61	59	60	62	59	56	67	55.5
	56	57	64	64	62	63	65	61	58	70	58.5
30°	1	58	63	64	62	61	62	59	56	68	56.5
	36	55	63	63	62	63	65	61	58	70	58.5
	65	57	64	62	61	62	66	64	62	71	59.5
45-35°	1	68	63	66	65	65	66	63	60	72	60.5
	36	68	60	66	63	64	67	64	61	72	60.5
	53	64	61	66	63	63	67	65	63	72	60.5

RA-560-325-225-4 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

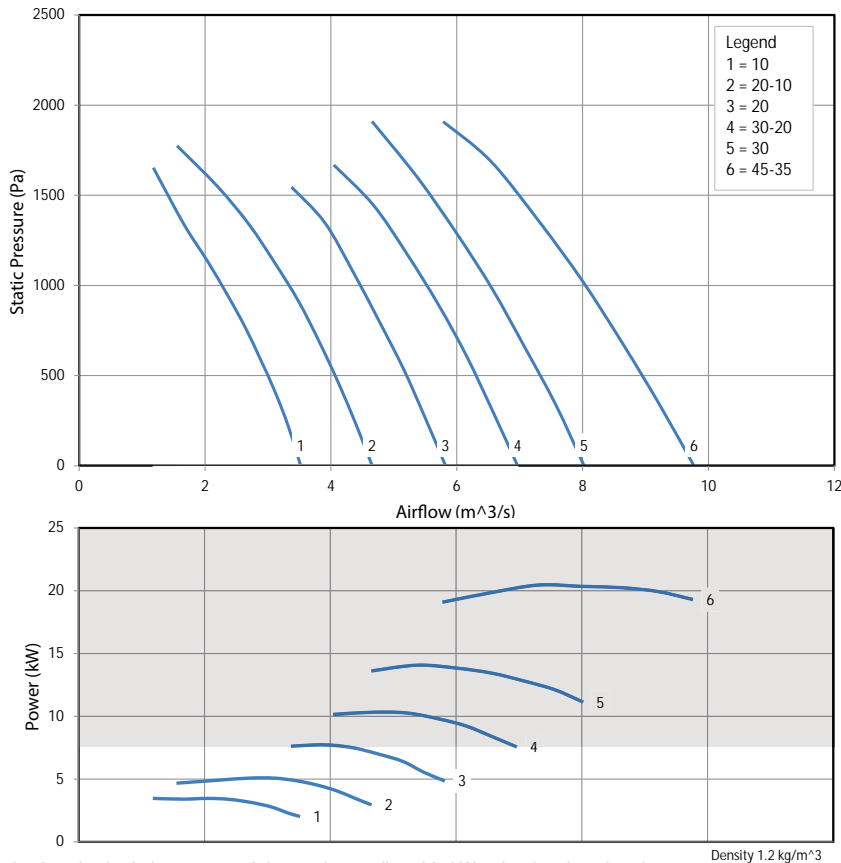


Blade Pitch	FEG
30-10	80
40-10	75
40-20	80
40-30	75
40-40	67
45-45	60

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
30-10°	0	53	61	62	60	58	56	54	51	64	52.5
	32	51	62	60	58	57	56	55	53	63	51.5
	57	63	70	70	64	61	62	58	54	68	56.5
40-20°	1	57	61	64	62	60	59	58	56	66	54.5
	34	54	60	63	60	59	61	59	57	67	55.5
	59	56	61	64	62	63	64	62	59	70	58.5
40-30°	1	58	63	65	63	63	64	61	58	69	57.5
	39	56	62	63	63	63	65	62	59	70	58.5
	65	57	63	63	61	62	65	64	62	71	59.5
40°	1	65	64	67	66	67	69	65	61	74	62.5
	22	65	63	66	65	65	68	65	61	73	61.5
	38	64	61	65	64	64	68	65	62	73	61.5
45°	1	64	66	69	67	67	69	66	62	74	62.5
	21	63	63	68	66	65	69	66	63	74	62.5
	41	75	71	70	67	66	64	59	54	71	59.5

RA-560-325-225-6 (3500 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.



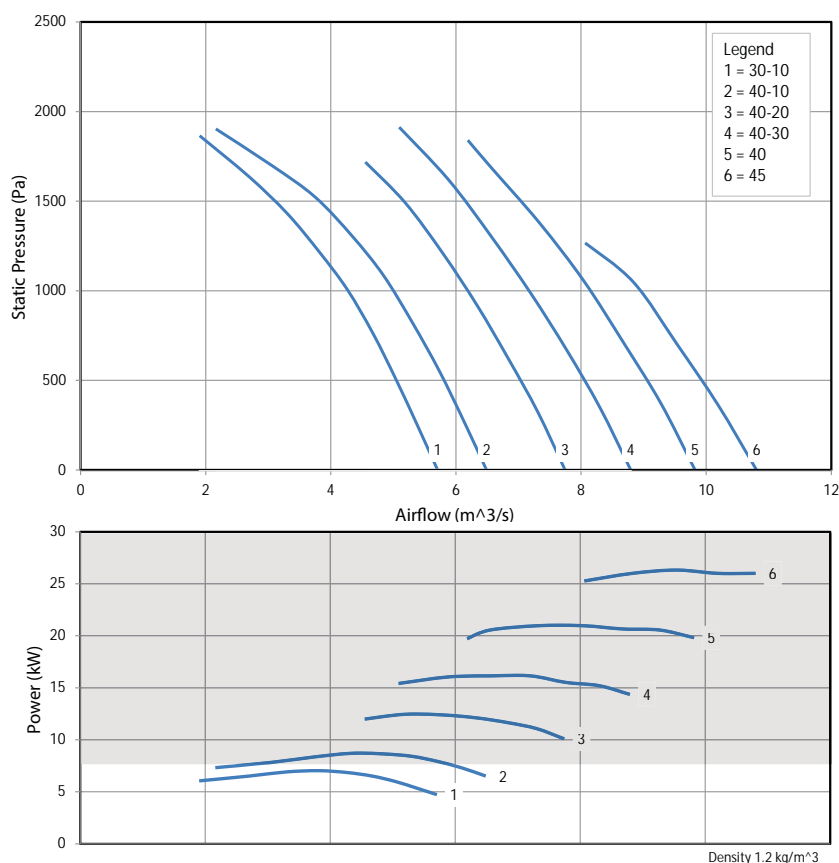
Blade Pitch	FEG
10	75
20-10	80
20-20	80
30-20	80
30-30	75
45-35	75

Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	0	86	86	88	96	93	95	94	93	101	89.5
	633	82	82	88	97	96	100	95	92	104	92.5
	1295	92	92	100	99	102	98	95	95	106	94.5
20°	10	87	87	93	97	95	96	95	93	102	90.5
	838	87	87	91	95	94	93	94	95	101	89.5
	1636	101	101	105	105	105	101	99	100	109	97.5
30-20°	10	90	90	95	98	97	97	96	94	104	92.5
	974	87	87	93	97	96	95	94	96	102	90.5
	1636	94	94	96	102	105	102	99	100	109	97.5
30°	19	93	93	97	100	99	98	96	97	105	93.5
	1013	88	88	96	99	98	97	97	100	105	93.5
	1802	92	92	92	98	98	98	99	102	106	94.5
45-35°	29	99	99	98	97	101	101	100	102	108	96.5
	1117	94	94	94	94	100	101	101	103	108	96.5
	1785	96	96	99	97	100	99	100	103	107	95.5

RA-560-325-225-6 (3500 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).



Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

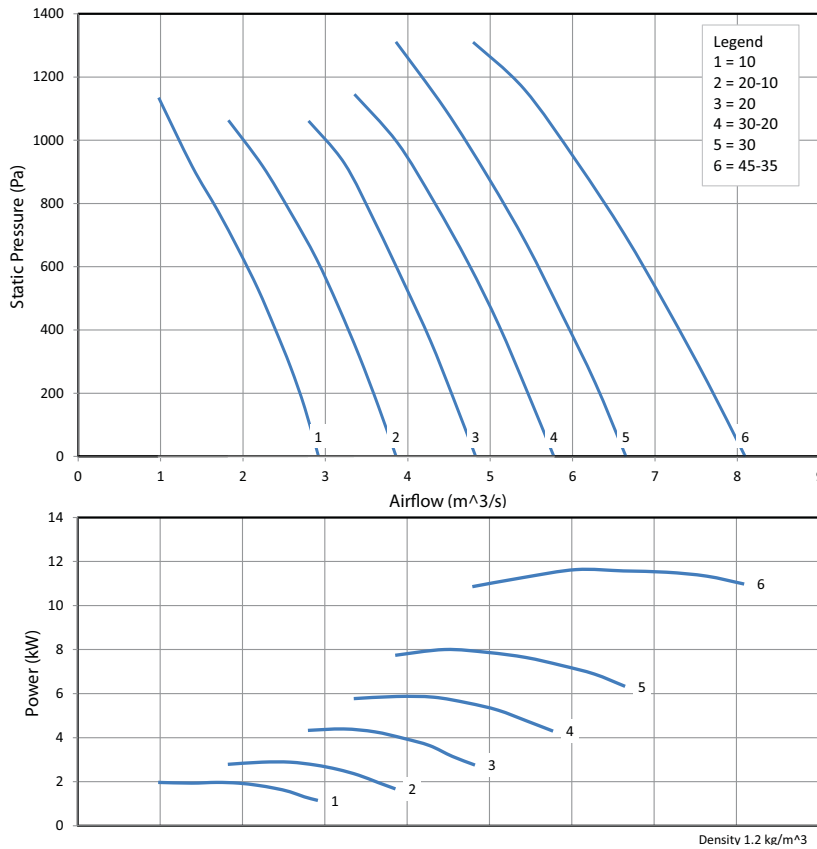


Blade Pitch	FEG
30-10	80
40-10	80
40-20	75
40-30	75
40-40	75
45-45	67

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
30-10°	10	89	89	92	98	97	97	95	94	103	91.5
	799	86	86	90	96	95	97	95	93	102	90.5
	1617	97	97	105	102	103	99	97	98	108	96.5
40-20°	19	93	93	96	98	99	99	96	94	104	92.5
	964	88	88	93	95	97	96	94	96	103	91.5
	1636	93	93	94	99	102	101	98	99	107	95.5
40-30°	29	96	96	97	95	99	99	97	97	105	93.5
	1045	91	91	97	94	98	98	99	101	105	93.5
	1800	93	93	94	95	98	98	100	102	106	94.5
40°	29	97	97	98	97	102	102	102	103	109	97.5
	1103	92	92	94	96	100	101	101	103	108	96.5
	1713	96	96	95	95	100	100	99	102	107	95.5
45°	44	100	100	99	99	103	103	104	105	110	98.5
	827	98	98	97	96	101	103	102	104	109	97.5
	1219	99	99	98	98	101	102	101	103	108	96.5

RA-560-325-225-6 (2900 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

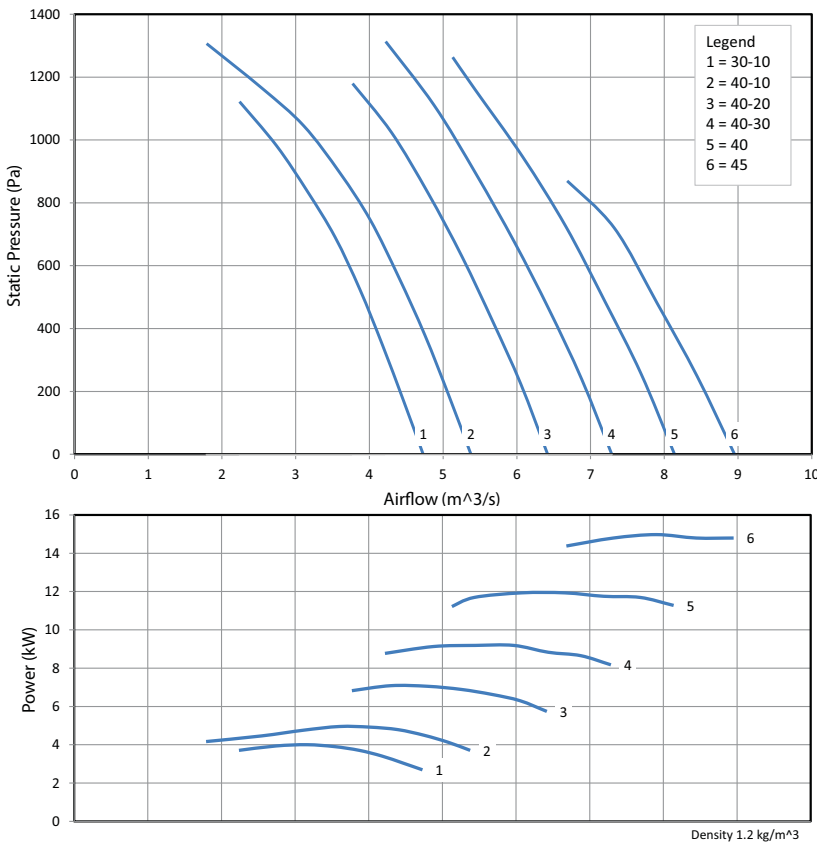


Blade Pitch	FEG
10	75
20-10	80
20-20	80
30-20	80
30-30	75
45-35	75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	0	82	82	86	91	89	90	90	87	97	85.5
	435	77	79	86	92	93	94	90	87	99	87.5
	889	87	90	96	96	97	93	91	90	101	89.5
20°	7	83	84	89	92	91	91	90	88	97	85.5
	575	82	84	88	90	89	89	90	90	96	84.5
	1123	96	97	100	100	99	96	95	95	104	92.5
30-20°	7	86	87	91	93	92	92	91	89	99	87.5
	669	82	84	90	92	91	90	90	90	97	85.5
	1123	90	90	93	98	99	97	95	94	104	92.5
30°	13	89	90	93	95	94	93	92	91	100	88.5
	695	84	86	92	94	93	92	94	95	100	88.5
	1237	87	87	89	93	94	93	95	96	101	89.5
45-35°	20	95	95	93	92	98	96	96	98	103	91.5
	767	89	89	89	89	98	96	97	98	104	92.5
	1226	92	92	94	92	97	94	96	99	103	91.5

RA-560-325-225-6 (2900 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

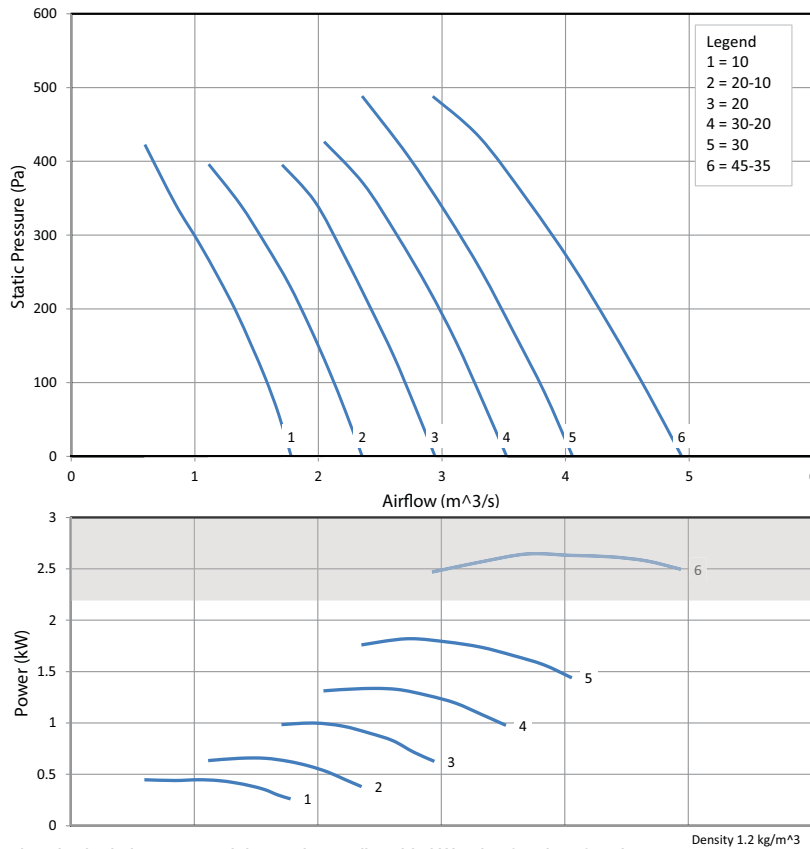


Blade Pitch	FEG
30-10	80
40-10	80
40-20	75
40-30	75
40-40	75
45-45	67

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
30-10°	7	84	85	89	93	92	92	90	89	98	86.5
	548	82	83	87	91	91	92	90	88	98	86.5
	1110	92	95	101	98	98	94	93	93	103	91.5
40-20°	13	88	89	92	94	94	94	91	89	100	88.5
	662	84	85	89	91	93	91	90	90	98	86.5
	1123	88	89	91	96	97	95	94	94	102	90.5
40-30°	20	91	91	92	90	96	94	92	93	100	88.5
	717	87	87	92	88	95	93	95	96	101	89.5
	1235	89	89	90	91	95	94	97	98	102	90.5
40°	20	93	93	94	92	100	97	97	98	105	93.5
	757	88	88	90	93	97	96	97	99	104	92.5
	1176	91	91	90	91	97	94	95	99	103	91.5
45°	30	95	95	95	94	100	99	99	101	106	94.5
	568	93	93	92	92	99	98	98	100	105	93.5
	837	95	95	94	93	97	97	96	100	104	92.5

RA-560-325-225-6 (1770 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

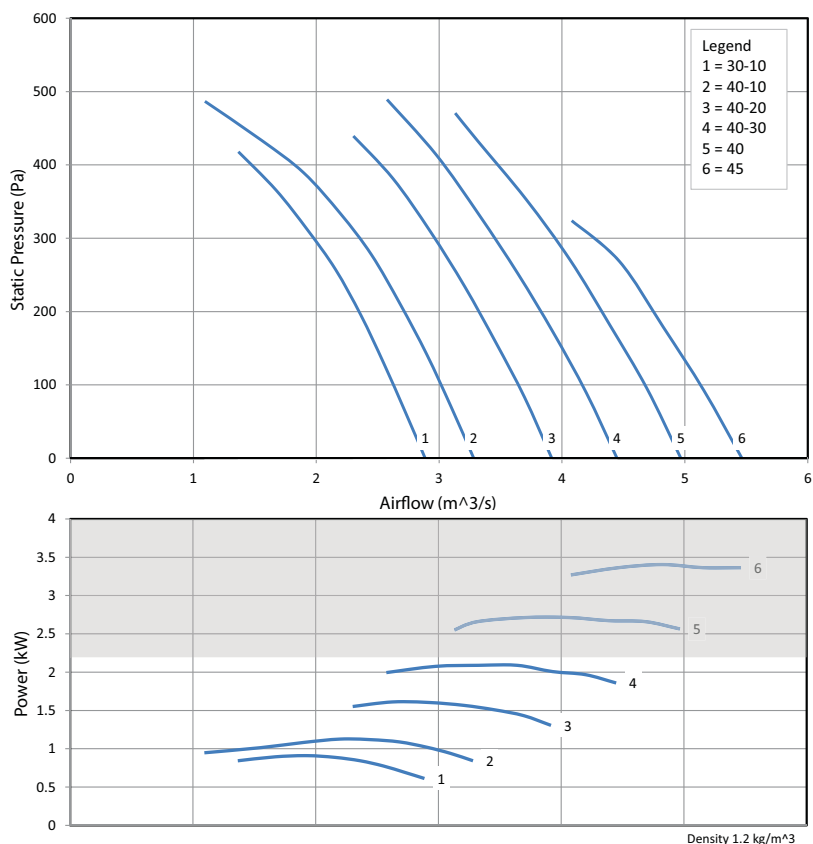


Blade Pitch	FEG
10	75
20-10	80
20-20	80
30-20	80
30-30	75
45-35	75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	0	71	73	81	78	80	79	78	74	85	73.5
	162	66	73	81	81	85	80	77	74	88	76.5
	331	76	85	84	87	83	80	80	76	89	77.5
20°	2	72	77	82	80	80	79	78	76	86	74.5
	214	72	76	80	78	78	78	80	77	86	74.5
	418	85	89	89	90	86	84	85	80	93	81.5
30-20°	2	75	80	83	82	82	80	78	77	87	75.5
	249	71	78	82	80	79	79	80	77	86	74.5
	418	79	81	87	89	87	84	84	81	92	80.5
30°	5	78	81	85	84	83	81	81	78	89	77.5
	259	73	81	84	82	82	82	85	82	90	78.5
	461	77	76	83	83	82	83	87	83	91	79.5
45-35°	7	84	83	82	85	86	85	86	84	92	80.5
	286	78	79	79	85	86	86	87	84	93	81.5
	457	81	83	82	85	84	85	87	85	92	80.5

RA-560-325-225-6 (1770 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

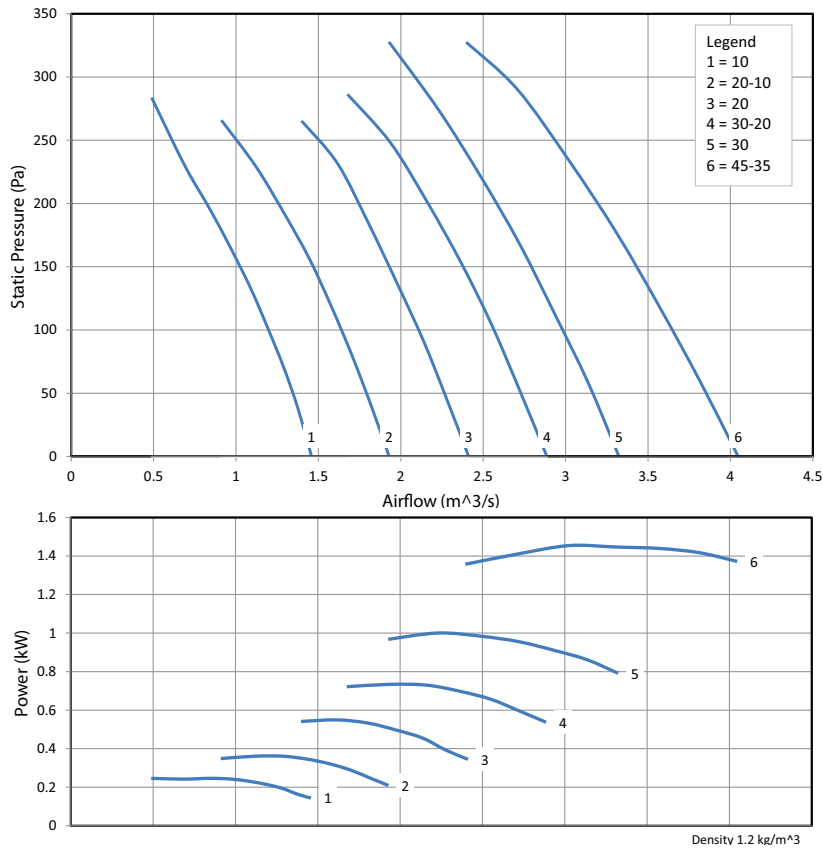


Blade Pitch	FEG
30-10	80
40-10	80
40-20	75
40-30	75
40-40	75
45-45	67

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
30-10°	2	74	77	82	81	82	80	79	75	87	75.5
	204	71	74	81	80	82	79	78	77	87	75.5
	413	81	90	87	88	84	82	83	79	91	79.5
40-20°	5	78	81	83	83	84	81	79	77	88	76.5
	247	73	77	80	82	81	79	80	78	87	75.5
	418	78	78	84	87	85	83	84	80	91	79.5
40-30°	7	81	81	80	83	83	82	82	80	89	77.5
	267	76	81	78	82	83	84	85	83	91	79.5
	460	78	79	80	83	83	85	87	84	92	80.5
40°	7	82	83	82	87	87	86	87	84	93	81.5
	282	77	79	81	85	85	86	88	85	93	81.5
	438	81	80	80	85	84	84	87	85	92	80.5
45°	11	84	84	84	87	88	88	90	87	95	83.5
	211	83	82	81	86	87	87	89	86	94	82.5
	312	84	83	82	85	86	86	88	86	94	82.5

RA-560-325-225-6 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

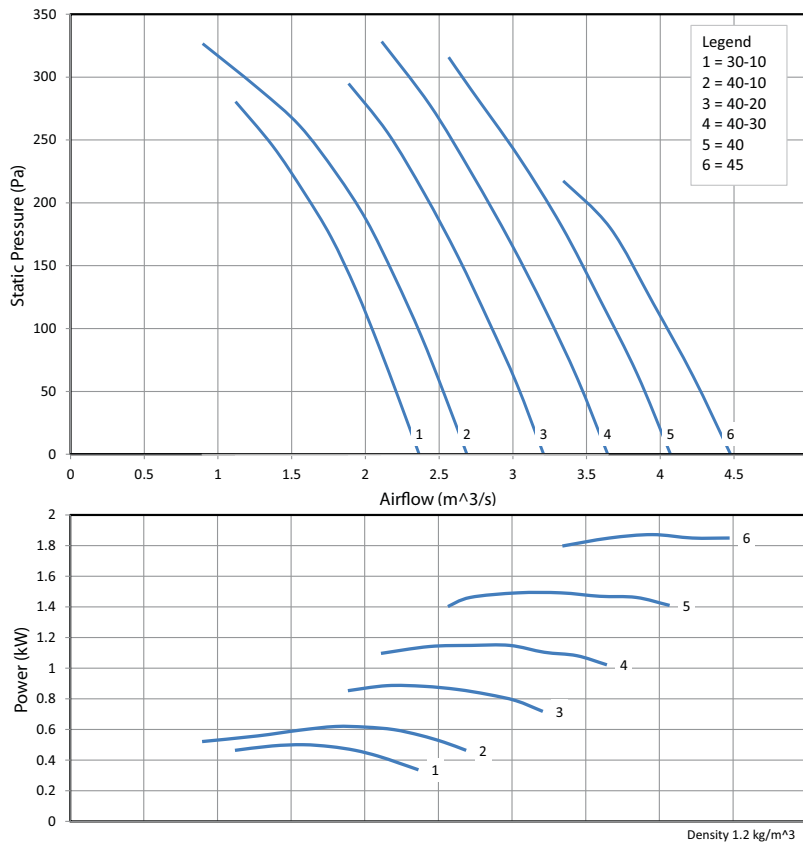


Blade Pitch	FEG
10	75
20-10	80
20-20	80
30-20	80
30-30	75
45-35	75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	0	67	71	76	74	75	74	72	68	81	69.5
	109	64	71	77	78	79	75	72	68	83	71.5
	222	75	81	81	81	78	76	75	70	84	72.5
20°	2	69	74	77	76	76	75	73	71	81	69.5
	144	69	73	75	74	74	75	75	71	81	69.5
	281	82	85	85	84	81	80	80	75	88	76.5
30-20°	2	72	76	78	77	77	76	74	72	83	71.5
	167	69	75	77	76	75	75	75	72	82	70.5
	281	75	78	83	84	81	79	79	75	87	75.5
30°	3	75	78	80	79	78	77	76	73	84	72.5
	174	71	77	79	78	77	79	80	76	85	73.5
	309	72	74	78	78	78	80	81	78	87	75.5
45-35°	5	80	78	77	83	81	81	83	78	88	76.5
	192	74	74	74	83	81	82	83	78	89	77.5
	306	76	79	77	82	79	81	84	80	88	76.5

RA-560-325-225-6 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

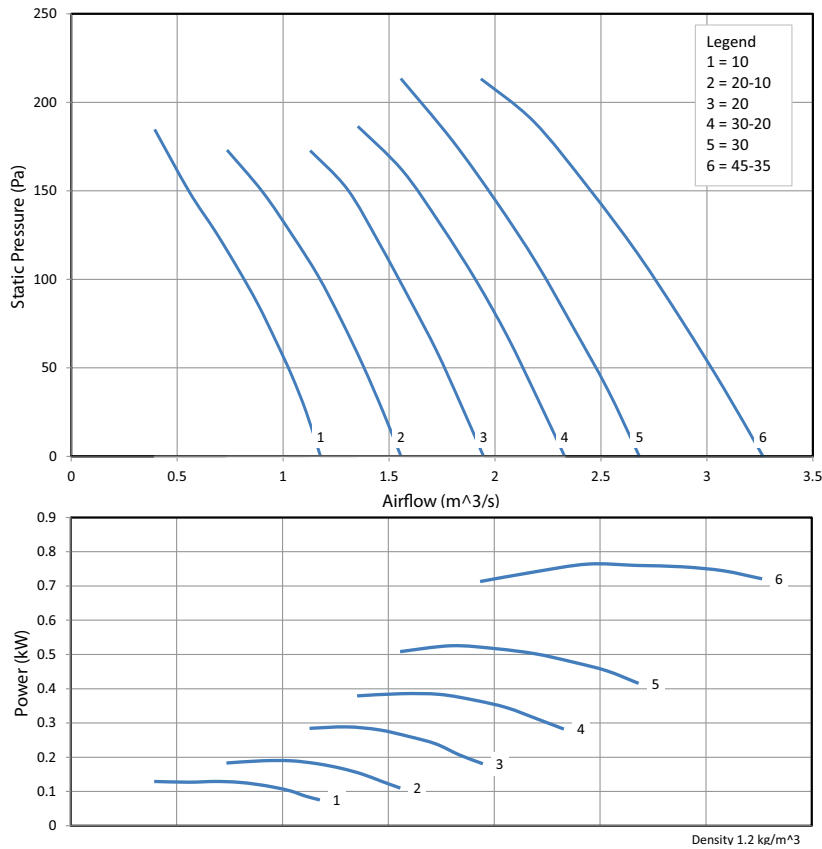


Blade Pitch	FEG
30-10	80
40-10	80
40-20	75
40-30	75
40-40	75
45-45	67

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
30-10°	2	70	74	78	77	77	75	74	70	82	70.5
	137	68	72	76	76	77	75	73	72	82	70.5
	277	80	86	83	83	79	78	77	73	86	74.5
40-20°	3	74	77	79	79	78	76	74	72	83	71.5
	165	70	74	76	77	76	75	75	73	82	70.5
	281	73	76	81	82	80	79	79	75	86	74.5
40-30°	5	76	77	75	80	79	77	77	75	85	73.5
	179	71	77	73	80	78	80	81	77	87	75.5
	309	74	75	76	80	79	82	83	79	88	76.5
40°	5	77	79	77	85	82	82	83	79	89	77.5
	189	72	74	77	82	81	82	84	79	89	77.5
	294	76	75	76	82	79	80	84	80	88	76.5
45°	7	80	79	79	84	84	84	86	82	91	79.5
	142	78	77	77	84	83	83	85	81	90	78.5
	209	80	78	78	82	82	81	85	81	90	78.5

RA-560-325-225-6 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

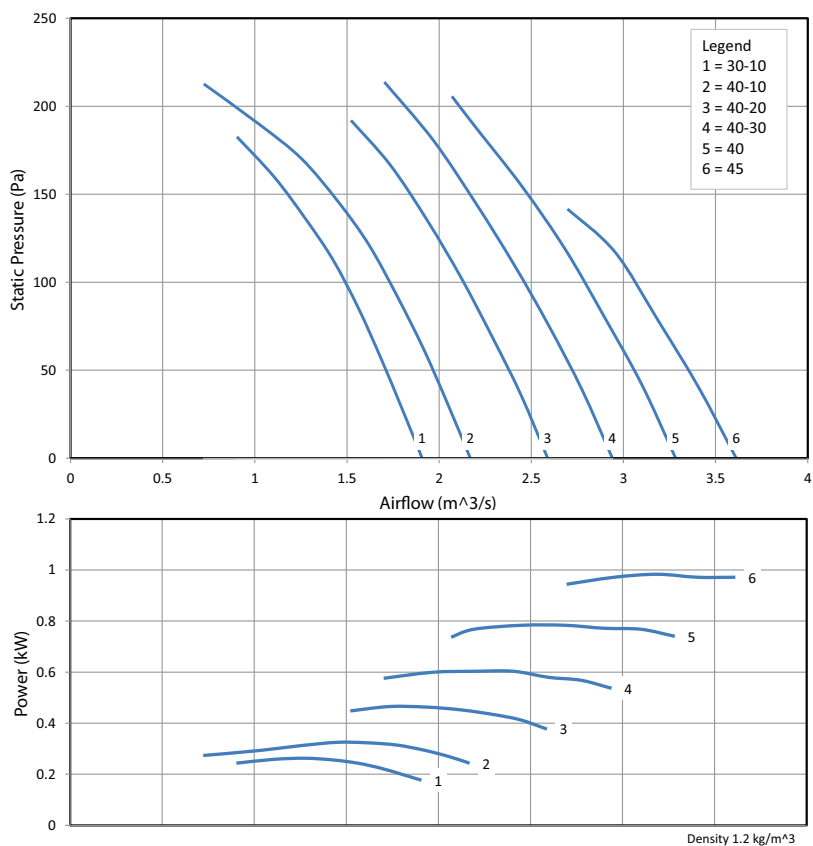


Blade Pitch	FEG
10	75
20-10	80
20-20	80
30-20	80
30-30	75
45-35	75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	0	63	69	70	70	70	69	66	62	76	64.5
	71	61	69	72	74	73	69	66	63	77	65.5
	145	73	76	77	75	72	71	69	64	78	66.5
20°	1	66	71	72	71	71	70	68	66	76	64.5
	94	65	70	70	69	69	70	69	66	76	64.5
	183	79	80	81	78	76	76	73	68	82	70.5
30-20°	1	69	73	73	73	72	70	68	67	77	65.5
	109	66	71	72	71	70	71	70	67	77	65.5
	183	71	75	79	79	76	75	73	69	82	70.5
30°	2	71	74	75	74	73	72	71	68	79	67.5
	113	69	74	74	73	73	75	74	70	81	69.5
	201	67	71	74	74	74	76	76	72	82	70.5
45-35°	3	75	74	74	78	76	77	77	72	83	71.5
	125	70	70	72	78	76	78	77	72	84	72.5
	200	73	74	74	76	75	77	78	74	83	71.5

RA-560-325-225-6 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).



Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

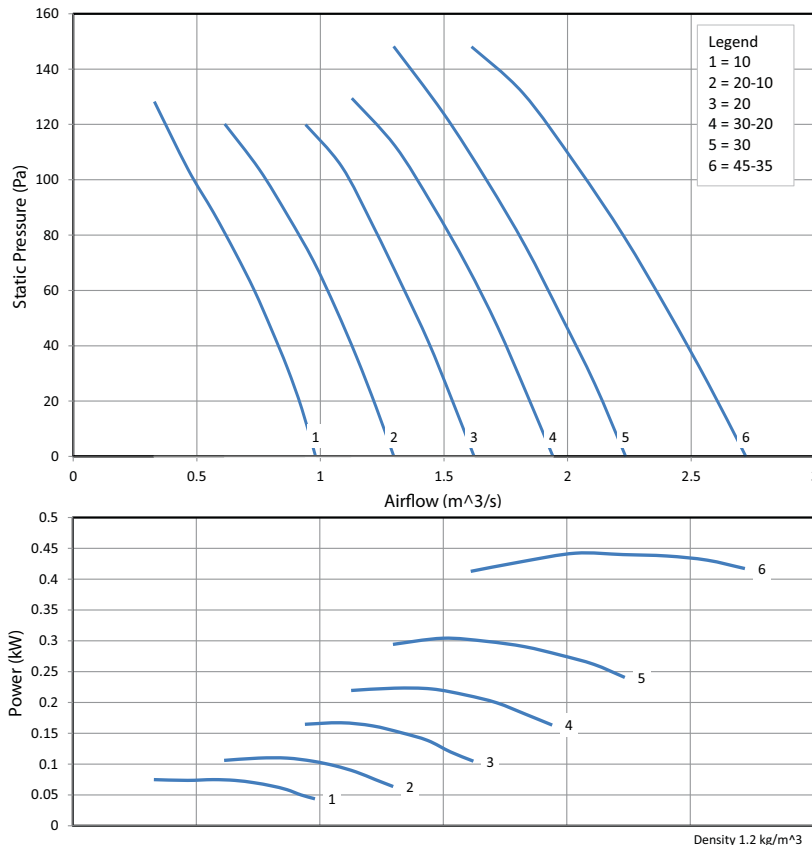


Blade Pitch	FEG
30-10	80
40-10	80
40-20	75
40-30	75
40-40	75
45-45	67

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
30-10°	1	67	71	73	72	72	70	68	64	77	65.5
	89	64	69	71	72	71	70	68	67	77	65.5
	181	78	81	79	77	74	74	71	67	80	68.5
40-20°	2	70	73	74	75	73	71	69	67	78	66.5
	108	67	70	72	72	71	71	70	67	77	65.5
	183	69	73	77	77	75	75	73	69	81	69.5
40-30°	3	72	72	72	75	74	73	72	69	80	68.5
	117	69	72	70	75	74	76	75	71	82	70.5
	201	69	70	72	75	75	77	77	73	83	71.5
40°	3	73	74	75	79	77	78	77	73	84	72.5
	123	68	71	74	77	76	78	78	73	84	72.5
	191	71	71	73	76	75	77	78	74	83	71.5
45°	5	75	75	76	80	79	80	80	76	86	74.5
	92	73	72	74	79	78	79	79	75	85	73.5
	136	75	74	74	77	77	78	79	75	85	73.5

RA-560-325-225-6 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

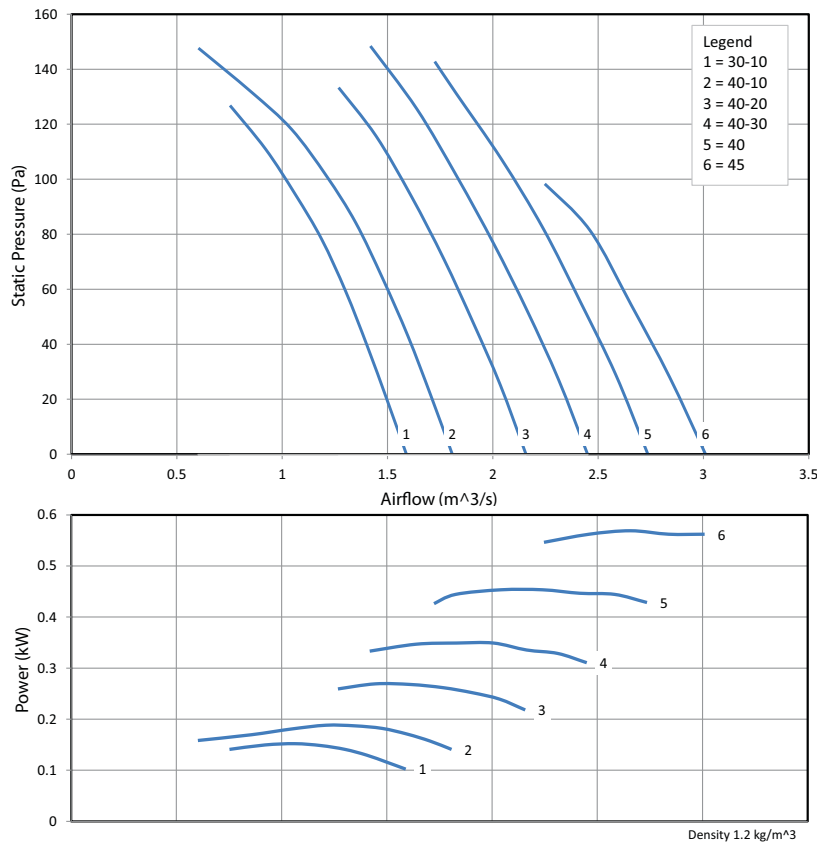


Blade Pitch	FEG
10	75
20-10	80
20-20	80
30-20	80
30-30	75
45-35	75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	0	60	67	66	67	66	65	61	57	71	59.5
	49	59	67	68	71	68	64	61	58	73	61.5
	101	71	72	74	70	68	67	64	59	74	62.5
20°	1	64	68	67	67	67	65	63	61	72	60.5
	65	63	67	66	65	65	67	64	61	72	60.5
	127	76	76	77	73	71	72	68	63	78	66.5
30-20°	1	66	70	69	69	68	66	64	62	73	61.5
	75	64	68	68	67	66	67	65	62	73	61.5
	127	67	73	76	74	71	71	68	64	78	66.5
30°	1	68	71	71	70	68	68	66	63	75	63.5
	79	67	70	70	69	69	72	69	65	77	65.5
	140	63	69	70	69	70	73	71	67	78	66.5
45-35°	2	70	70	72	73	72	73	72	67	79	67.5
	87	66	66	71	73	73	74	72	67	79	67.5
	138	69	71	71	72	71	74	73	69	79	67.5

RA-560-325-225-6 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

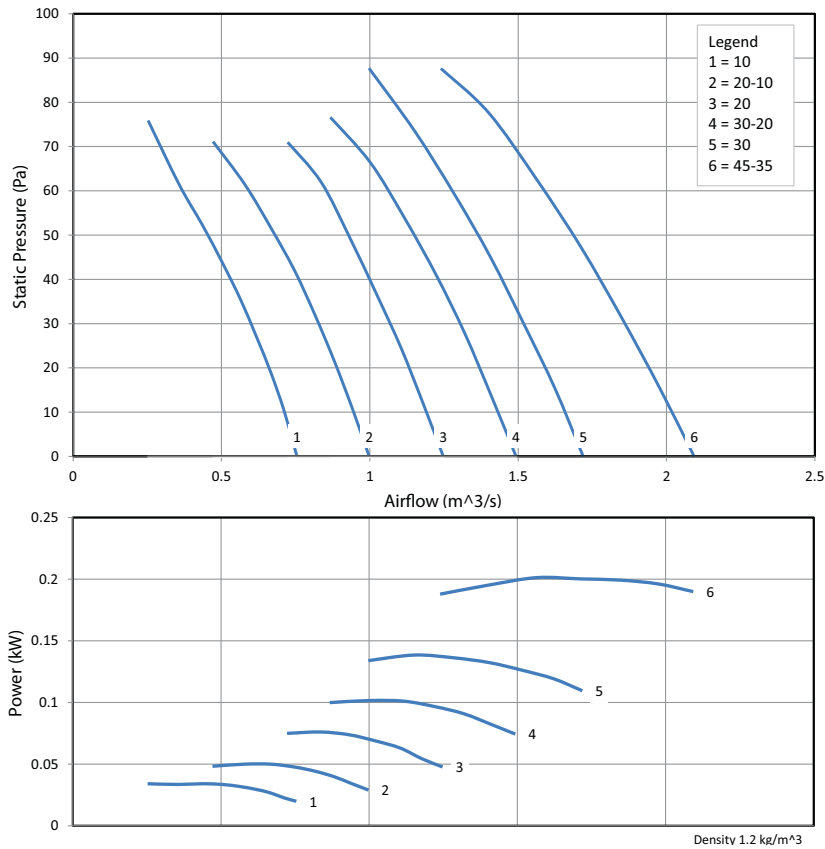


Blade Pitch	FEG
30-10	80
40-10	80
40-20	75
40-30	75
40-40	75
45-45	67

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
30-10°	1	64	69	69	69	67	66	63	59	73	61.5
	62	61	67	67	69	67	65	64	62	73	61.5
	126	76	77	75	72	69	70	66	62	76	64.5
40-20°	1	67	70	70	71	68	66	64	62	74	62.5
	75	64	66	69	68	66	67	65	62	73	61.5
	127	65	70	74	73	70	71	68	64	77	65.5
40-30°	2	68	68	70	71	69	69	67	64	75	63.5
	81	66	68	68	70	71	72	70	66	78	66.5
	140	66	67	69	70	72	74	72	68	79	67.5
40°	2	69	70	73	74	73	74	72	68	80	68.5
	86	65	68	71	73	73	74	72	67	80	68.5
	133	67	67	71	72	71	73	73	70	79	67.5
45°	3	71	71	74	75	75	77	75	70	82	70.5
	64	69	68	72	75	74	76	74	69	81	69.5
	95	70	70	72	73	73	75	74	70	80	68.5

RA-560-325-225-6 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

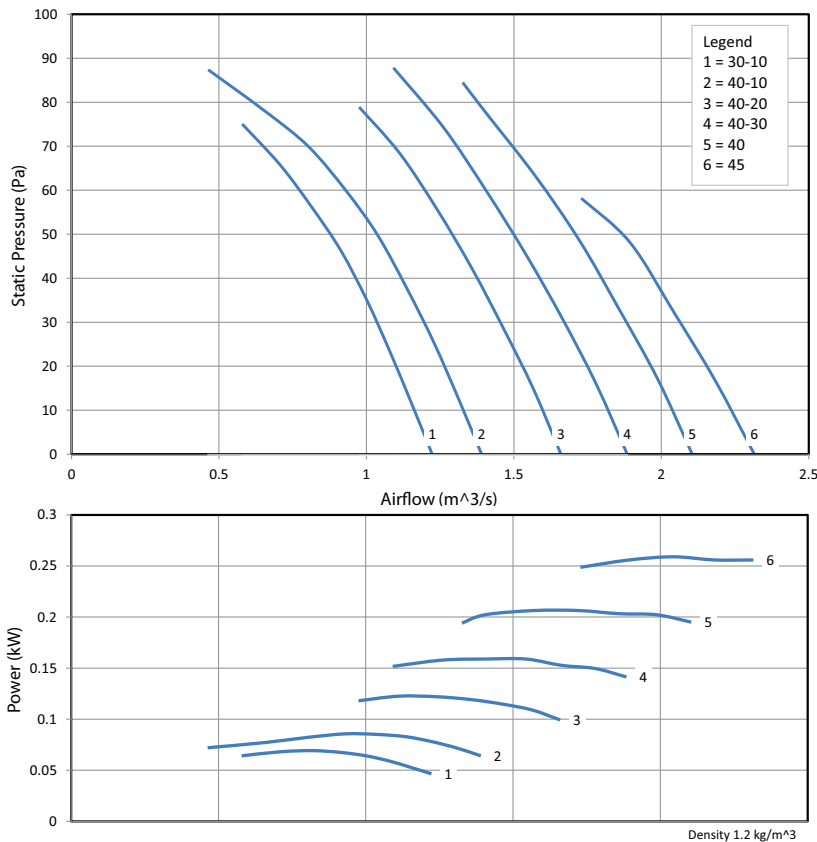


Blade Pitch	FEG
10	75
20-10	80
20-20	80
30-20	80
30-30	75
45-35	75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	0	56	62	60	61	60	58	54	50	65	53.5
	29	56	63	63	65	61	57	54	51	66	54.5
	60	67	66	67	63	62	61	56	52	67	55.5
20°	0	60	63	61	62	60	59	57	54	66	54.5
	38	59	61	60	59	60	60	57	54	66	54.5
	75	71	71	70	67	66	65	61	56	71	59.5
30-20°	0	62	64	63	63	61	59	58	56	67	55.5
	45	60	63	61	61	61	61	58	55	67	55.5
	75	63	69	70	67	65	65	61	57	71	59.5
30°	1	64	66	65	64	62	62	59	56	68	56.5
	47	63	65	64	63	64	66	62	58	71	59.5
	83	59	64	64	64	65	67	64	61	72	60.5
45-35°	1	64	63	68	67	66	68	64	60	73	61.5
	51	60	60	69	67	68	69	64	59	74	62.5
	82	65	62	67	65	66	69	66	61	74	62.5

RA-560-325-225-6 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

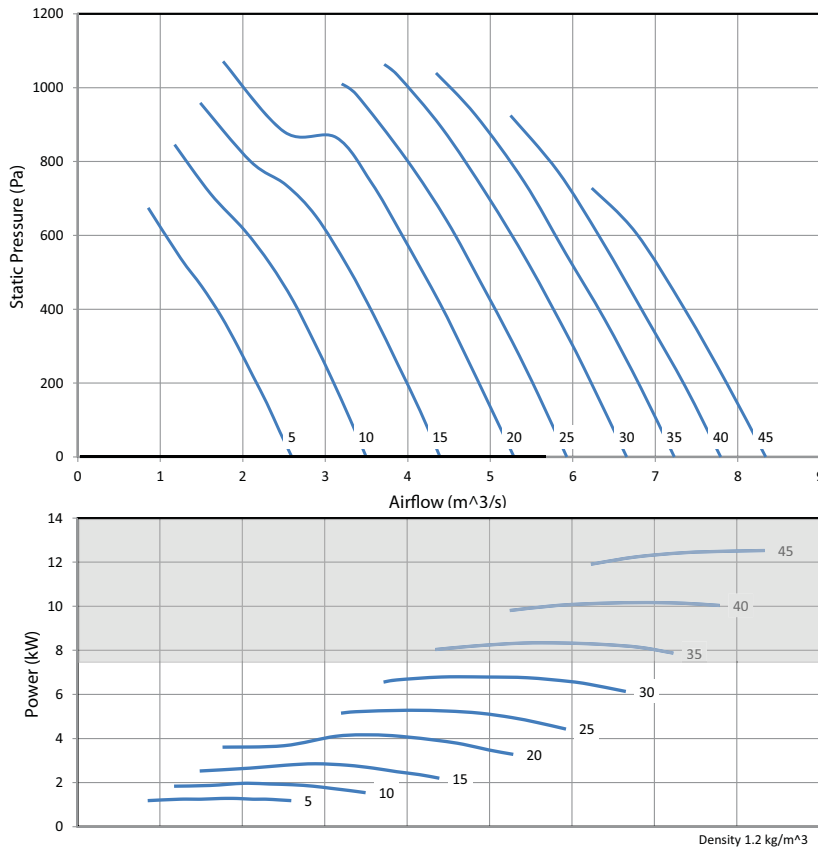


Blade Pitch	FEG
30-10	80
40-10	80
40-20	75
40-30	75
40-40	75
45-45	67

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
30-10°	0	60	64	63	63	61	60	56	52	66	54.5
	37	57	62	62	63	60	59	58	56	66	54.5
	74	71	68	69	65	64	63	59	54	70	58.5
40-20°	1	63	64	65	64	62	60	58	56	67	55.5
	44	59	62	63	62	61	61	58	56	67	55.5
	75	61	66	68	66	65	64	61	57	71	59.5
40-30°	1	63	61	66	64	63	63	60	58	69	57.5
	48	63	59	65	64	66	67	63	59	72	60.5
	83	60	61	65	64	67	68	65	61	73	61.5
40°	1	64	63	70	67	68	69	65	60	74	62.5
	51	60	63	68	66	67	69	65	60	74	62.5
	79	61	62	67	65	66	69	66	63	74	62.5
45°	2	65	65	70	69	70	72	67	63	76	64.5
	38	63	62	69	69	68	71	67	62	75	63.5
	56	64	63	68	68	67	70	67	63	75	63.5

RA-560-325-190-4 (2900 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	13	86	86	86	90	95	92	86	82	98	86.5
	334	87	86	85	91	99	95	86	79	101	89.5
	682	91	91	92	90	88	84	78	75	92	80.5
15°	13	88	87	85	89	90	88	85	82	94	82.5
	502	91	89	85	87	87	84	80	78	91	79.5
	830	96	95	94	100	100	93	85	80	103	91.5
25°	20	94	93	91	92	92	88	83	80	95	83.5
	482	97	95	89	90	90	87	83	80	94	82.5
	990	98	96	91	92	92	88	84	82	96	84.5
35°	33	99	97	94	95	95	92	87	85	99	87.5
	508	99	97	92	94	94	90	86	85	98	86.5
	1017	99	97	93	94	93	90	87	85	98	86.5
45°	33	99	98	96	98	99	95	90	88	102	90.5
	482	99	98	96	98	98	95	91	89	102	90.5
	916	103	103	102	100	99	95	91	87	103	91.5



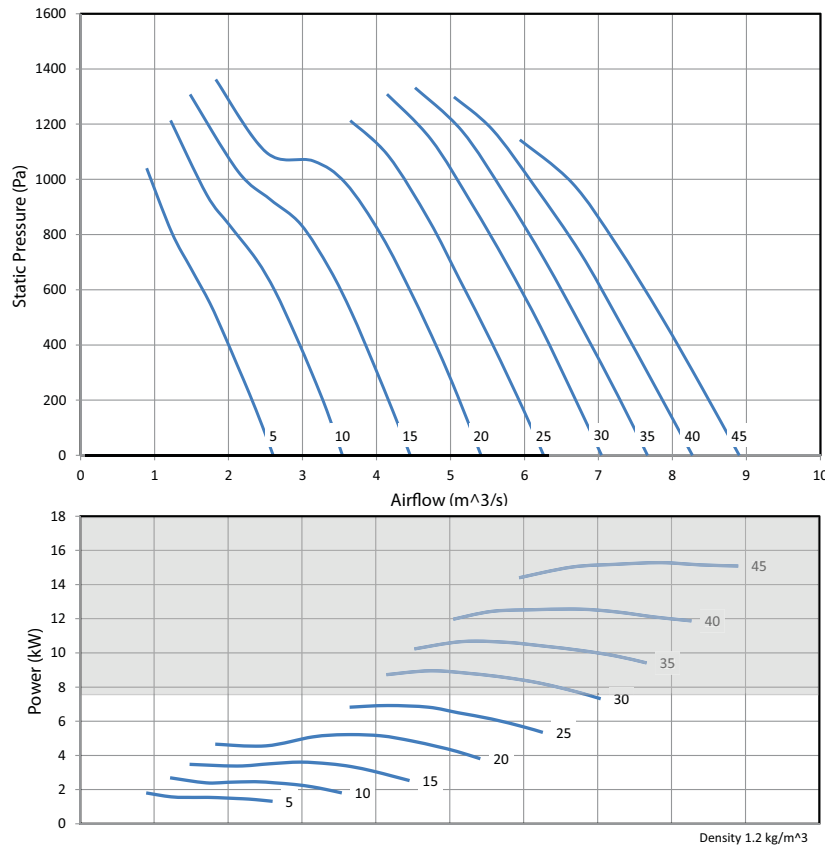
Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.



FEG 80

RA-560-325-190-6 (2900 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

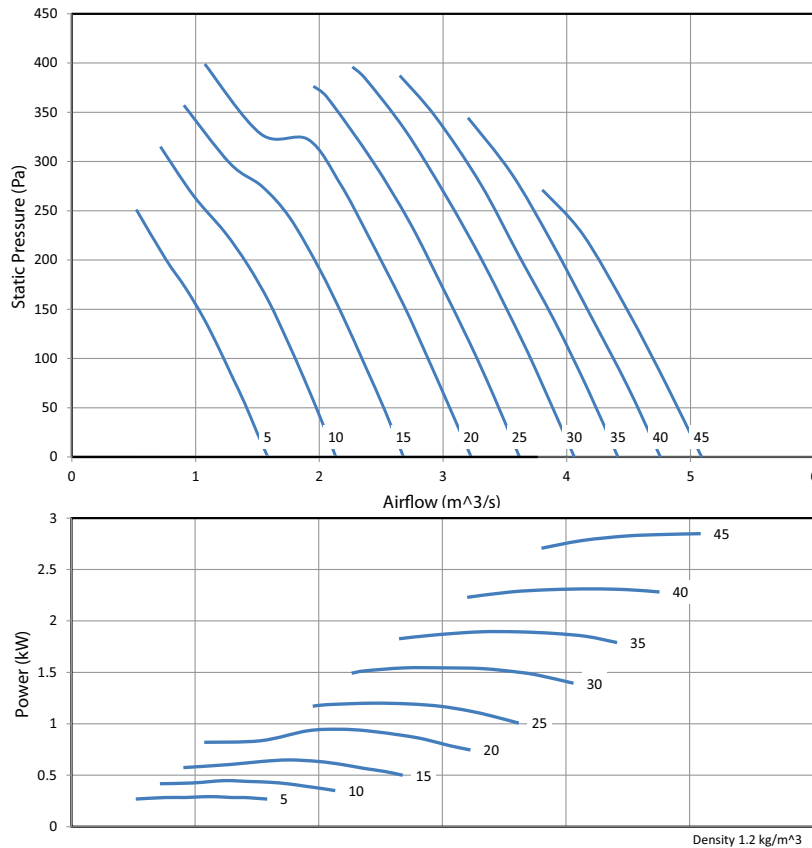


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	13	88	88	87	92	98	96	89	84	101	89.5
	502	89	88	88	94	98	94	86	81	101	89.5
	936	91	93	96	90	89	85	80	77	94	82.5
15°	13	85	86	89	92	92	91	87	84	97	85.5
	669	88	88	87	89	89	90	84	80	95	83.5
	1184	97	100	105	98	97	92	84	81	102	90.5
25°	20	93	94	96	97	93	90	87	84	98	86.5
	656	93	93	91	92	91	88	83	80	95	83.5
	1197	98	96	93	97	97	93	87	83	100	88.5
35°	20	97	97	97	98	97	93	88	85	101	89.5
	662	99	98	96	96	95	92	87	85	100	88.5
	1358	102	100	95	96	95	91	87	87	99	87.5
45°	33	101	101	101	101	100	97	91	88	104	92.5
	635	103	102	100	101	99	96	90	88	104	92.5
	1177	103	102	99	100	99	95	90	87	103	91.5

RA-560-325-190-4 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

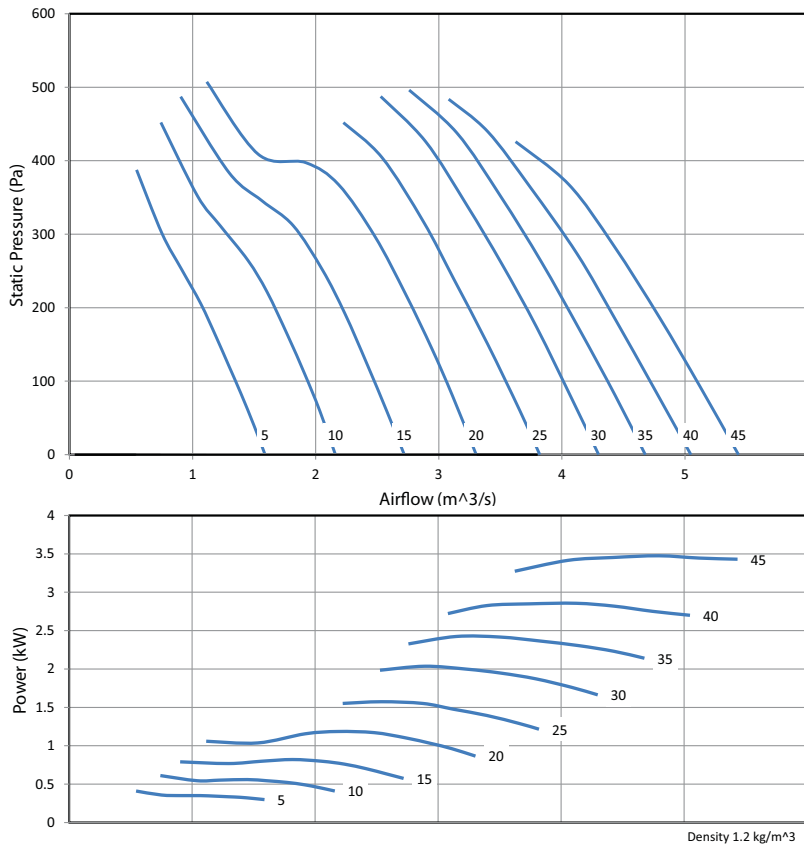


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	5	76	74	77	84	83	76	74	66	87	75.5
	125	76	73	77	88	88	77	71	63	90	78.5
	254	80	82	79	78	75	68	66	61	80	68.5
15°	5	78	73	77	79	78	75	73	66	83	71.5
	187	80	74	76	77	75	70	68	63	79	67.5
	309	85	82	88	92	85	76	70	66	91	79.5
25°	7	83	79	81	82	78	74	71	66	83	71.5
	179	86	78	79	80	77	73	70	68	82	70.5
	369	87	80	80	82	79	74	71	71	84	72.5
35°	12	88	83	84	86	83	77	75	72	87	75.5
	189	89	81	83	84	81	76	74	73	86	74.5
	379	89	81	83	83	81	76	75	74	86	74.5
45°	12	88	85	87	89	86	81	77	77	90	78.5
	179	89	84	87	88	86	81	78	78	90	78.5
	341	93	91	90	89	86	81	77	73	91	79.5

RA-560-325-190-6 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

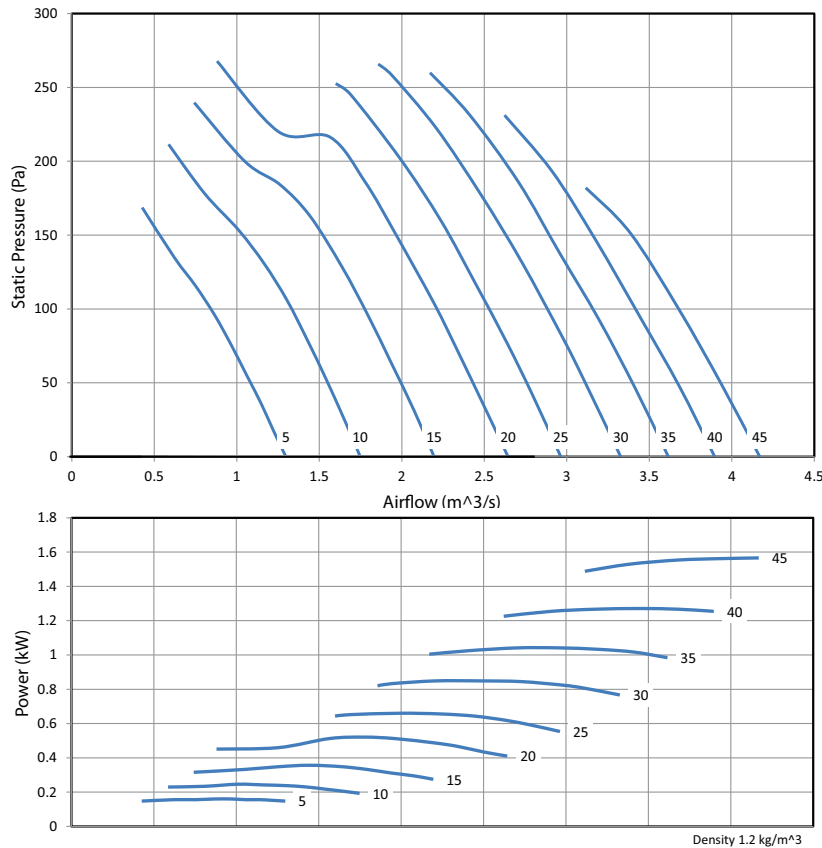


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	5	77	75	79	87	87	80	76	68	90	78.5
	187	78	75	81	88	86	76	72	65	89	77.5
	349	81	85	80	79	76	70	67	63	81	69.5
15°	5	74	77	81	81	82	77	75	68	85	73.5
	249	78	76	79	78	81	74	71	66	83	71.5
	441	87	94	87	87	83	75	70	68	88	76.5
25°	7	83	84	87	83	81	77	74	70	86	74.5
	244	83	80	82	81	79	73	71	67	83	71.5
	446	88	81	85	87	84	78	73	71	88	76.5
35°	7	86	86	87	86	84	78	75	71	88	76.5
	247	89	84	86	85	83	77	75	72	87	75.5
	506	91	84	85	85	82	77	76	75	87	75.5
45°	12	90	90	91	90	88	82	78	76	92	80.5
	237	93	89	90	89	87	81	77	77	91	79.5
	439	92	88	89	89	86	80	77	76	91	79.5

RA-560-325-190-4 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

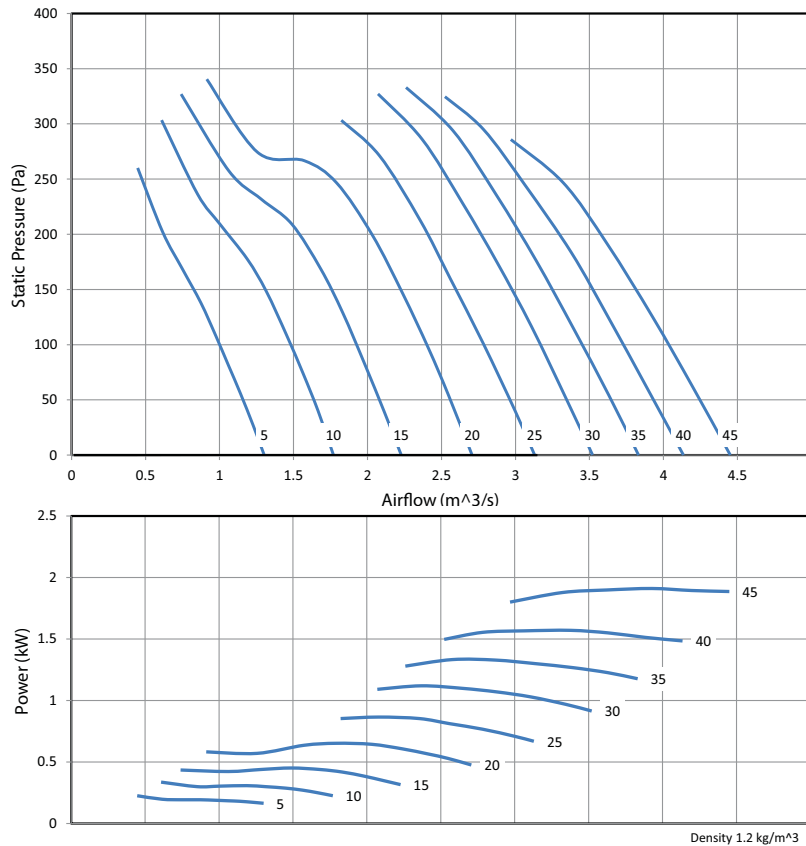


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	3	71	71	74	80	77	71	67	59	81	69.5
	84	71	70	76	84	80	71	64	57	84	72.5
	171	76	77	75	73	69	63	60	55	74	62.5
15°	3	72	70	74	75	73	70	66	60	77	65.5
	125	74	70	72	72	69	65	62	58	74	62.5
	207	80	79	85	85	78	70	65	61	85	73.5
25°	5	78	75	77	76	73	68	65	60	78	66.5
	120	80	74	75	75	72	68	65	63	77	65.5
	247	80	75	77	77	73	69	67	67	79	67.5
35°	8	82	79	80	80	77	72	70	67	82	70.5
	127	82	77	79	79	75	71	70	69	81	69.5
	254	82	77	79	78	75	72	70	70	81	69.5
45°	8	83	81	83	84	80	75	73	72	85	73.5
	120	83	81	83	83	80	76	74	74	85	73.5
	229	88	87	85	84	80	76	72	68	85	73.5

RA-560-325-190-6 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

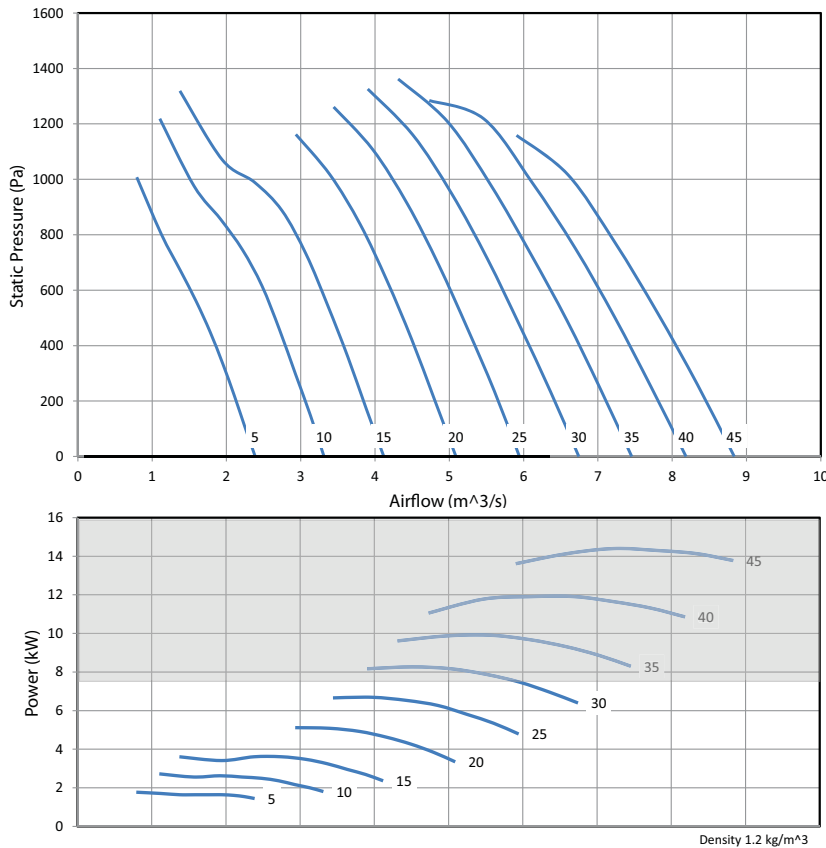


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	3	73	72	77	82	81	74	69	61	84	72.5
	125	73	73	79	83	79	71	66	58	83	71.5
	234	78	81	75	74	70	65	62	58	76	64.5
15°	3	71	74	77	77	76	72	69	62	80	68.5
	167	73	72	74	74	74	69	65	61	78	66.5
	296	85	90	83	82	76	69	65	64	83	71.5
25°	5	79	81	82	78	75	72	69	64	81	69.5
	164	78	76	77	76	73	68	65	61	78	66.5
	299	81	78	82	82	78	72	68	66	83	71.5
35°	5	82	82	83	82	78	73	70	66	83	71.5
	165	83	80	81	80	77	72	70	67	82	70.5
	339	85	80	81	80	76	72	71	71	82	70.5
45°	8	86	86	86	85	81	76	73	71	86	74.5
	159	87	85	86	84	81	75	73	73	86	74.5
	294	87	84	85	84	80	75	72	72	85	73.5

RA-560-325-275-6 (2900 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	13	87	87	87	92	98	95	89	84	101	89.5
	502	86	86	88	93	99	95	87	81	101	89.5
	916	92	93	97	93	91	87	82	79	96	84.5
15°	13	85	86	88	91	93	91	89	86	98	86.5
	662	87	87	88	89	90	88	86	83	95	83.5
	1184	100	102	105	100	97	91	86	82	102	90.5
25°	20	90	91	91	92	93	91	90	87	98	86.5
	662	91	91	91	91	91	88	86	83	96	84.5
	1258	97	96	95	97	98	93	89	85	101	89.5
35°	27	93	94	94	95	95	92	91	88	100	88.5
	676	93	93	96	96	93	89	87	84	98	86.5
	1304	98	97	96	96	94	90	87	86	99	87.5
45°	33	100	100	102	103	101	97	94	92	106	94.5
	676	99	100	101	103	102	96	92	90	105	93.5
	1284	103	102	99	102	102	96	92	89	105	93.5



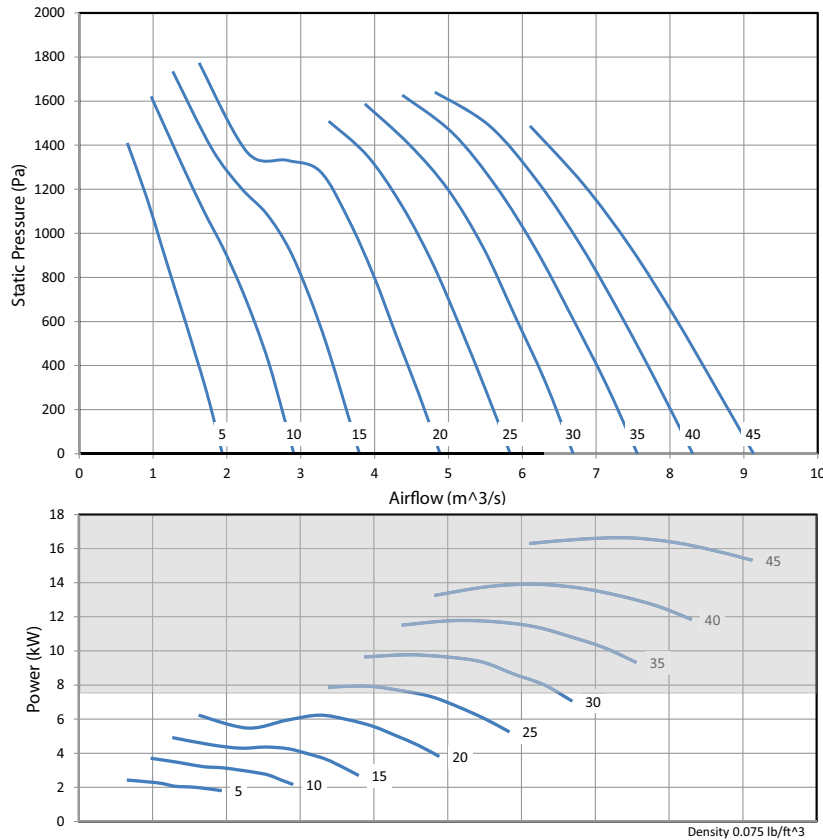
Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.



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RA-560-325-275-9 (2900 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	7	92	92	92	95	98	95	90	86	102	90.5
	669	90	90	94	99	98	92	86	82	101	89.5
	1271	96	95	95	97	93	89	85	83	98	86.5
15°	13	90	89	88	92	95	93	90	87	99	87.5
	843	89	89	90	93	96	93	89	85	100	88.5
	1625	101	100	98	99	96	91	87	84	101	89.5
25°	20	92	91	90	92	94	93	92	89	100	88.5
	689	89	89	89	91	93	91	89	86	97	85.5
	1311	94	93	91	94	95	90	87	85	98	86.5
35°	33	95	94	94	96	98	95	93	91	102	90.5
	823	96	95	94	96	96	93	89	87	100	88.5
	1525	97	96	93	96	97	92	89	87	100	88.5
45°	47	99	99	98	101	102	98	95	92	105	93.5
	990	99	98	97	100	101	96	92	90	104	92.5
	1552	101	100	97	100	101	96	91	89	104	92.5



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

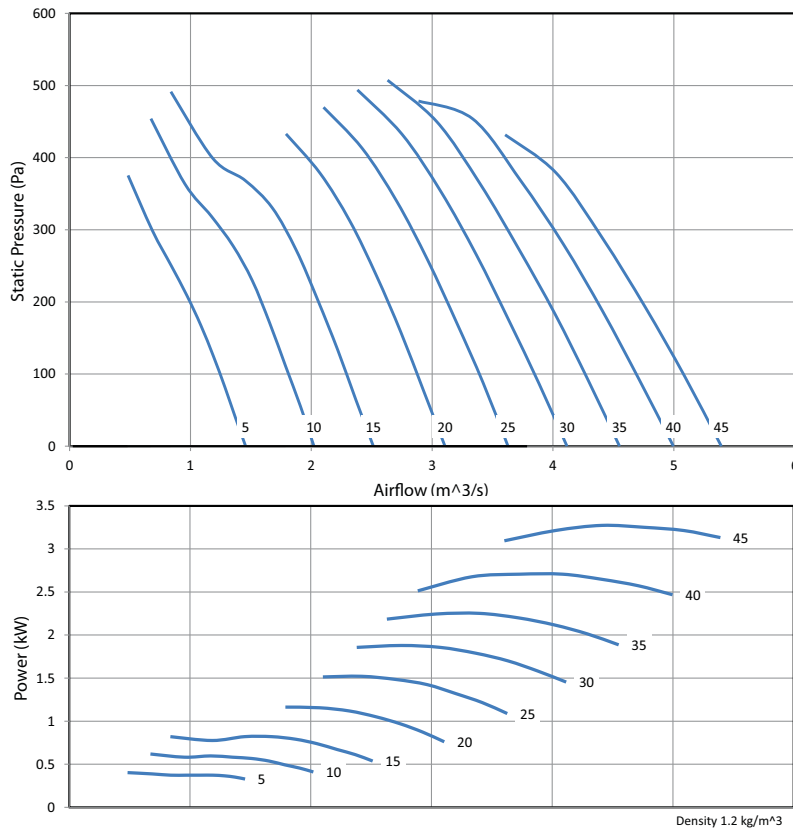


Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.



FEG 80

RA-560-325-275-6 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

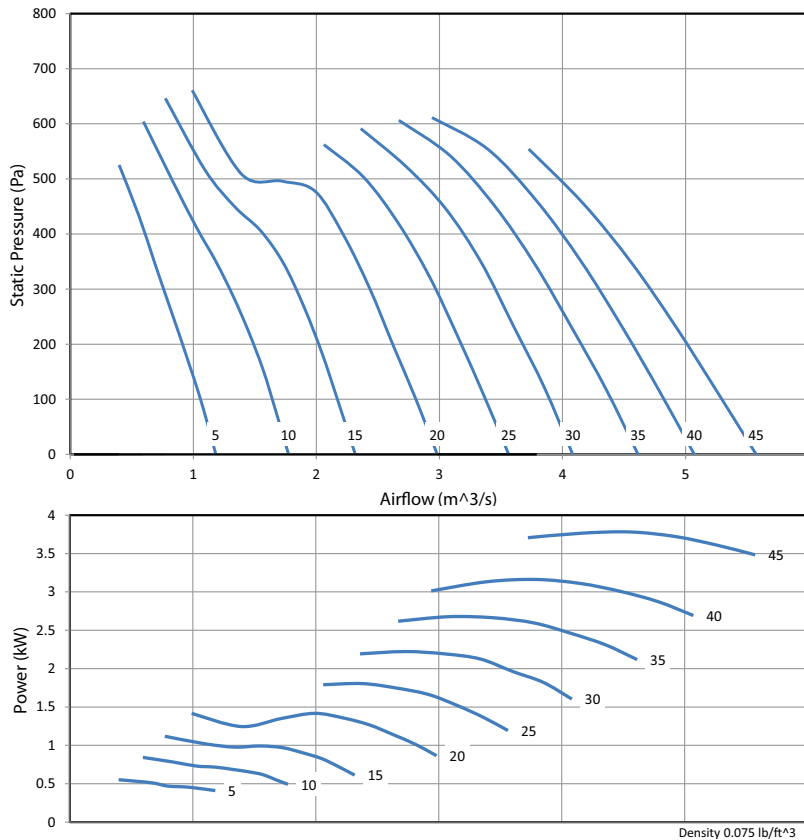


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	5	76	76	79	88	86	79	76	68	89	77.5
	187	75	76	80	89	87	77	72	67	90	78.5
	341	81	86	83	81	78	72	69	66	83	71.5
15°	5	75	77	79	82	82	79	77	70	86	74.5
	247	77	77	78	80	78	76	74	70	83	71.5
	441	89	95	90	88	82	76	72	70	89	77.5
25°	7	80	80	81	83	81	80	78	71	87	75.5
	247	80	81	79	82	78	76	74	70	84	72.5
	468	86	83	85	88	84	79	75	74	89	77.5
35°	10	83	84	84	86	81	80	79	72	88	76.5
	252	82	84	86	83	80	77	75	71	86	74.5
	486	87	85	86	84	81	77	75	74	86	74.5
45°	12	89	91	92	92	87	84	83	78	93	81.5
	252	89	90	92	93	87	82	80	78	93	81.5
	478	93	88	90	94	86	82	79	77	93	81.5

RA-560-325-275-9 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

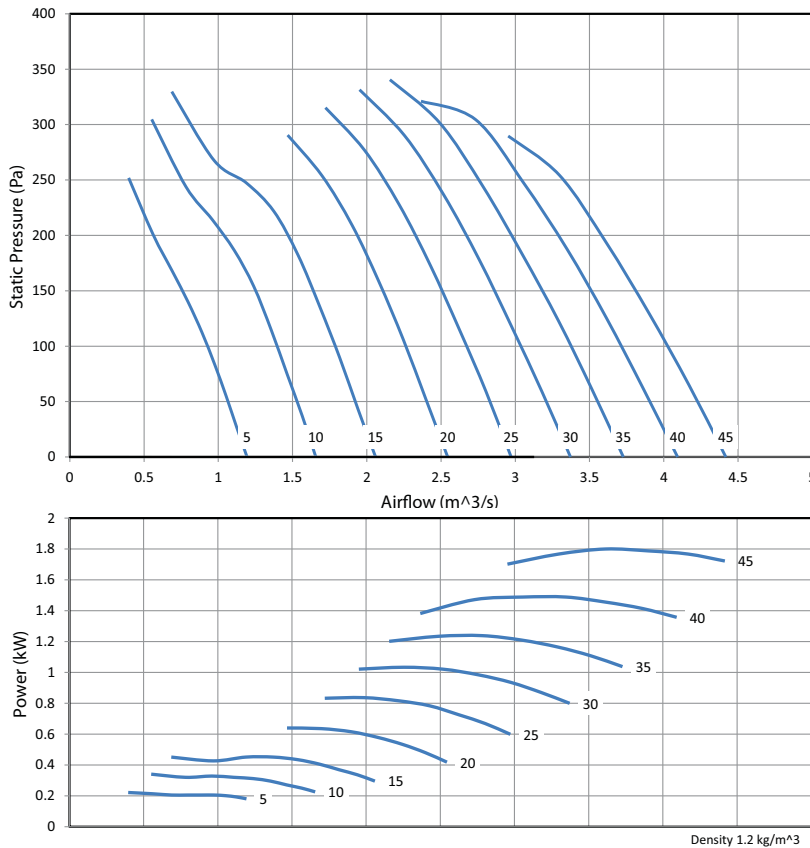


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	2	81	81	83	88	86	80	77	70	90	78.5
	249	79	81	88	89	83	76	73	67	89	77.5
	473	85	83	87	83	79	76	73	70	85	73.5
15°	5	79	77	80	85	83	80	78	72	88	76.5
	314	79	78	81	86	83	79	75	71	88	76.5
	605	91	87	89	87	82	77	74	72	88	76.5
25°	7	81	79	80	84	83	82	80	73	88	76.5
	257	79	77	80	83	81	79	77	73	86	74.5
	488	83	80	82	86	81	78	74	73	86	74.5
35°	12	84	83	85	88	85	82	82	75	90	78.5
	306	85	83	84	86	83	79	77	73	88	76.5
	568	86	82	85	87	83	79	76	76	88	76.5
45°	17	89	87	89	92	89	84	84	77	93	81.5
	257	90	87	89	91	88	83	80	77	92	80.5
	578	90	86	88	92	86	81	78	78	92	80.5

RA-560-325-275-6 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

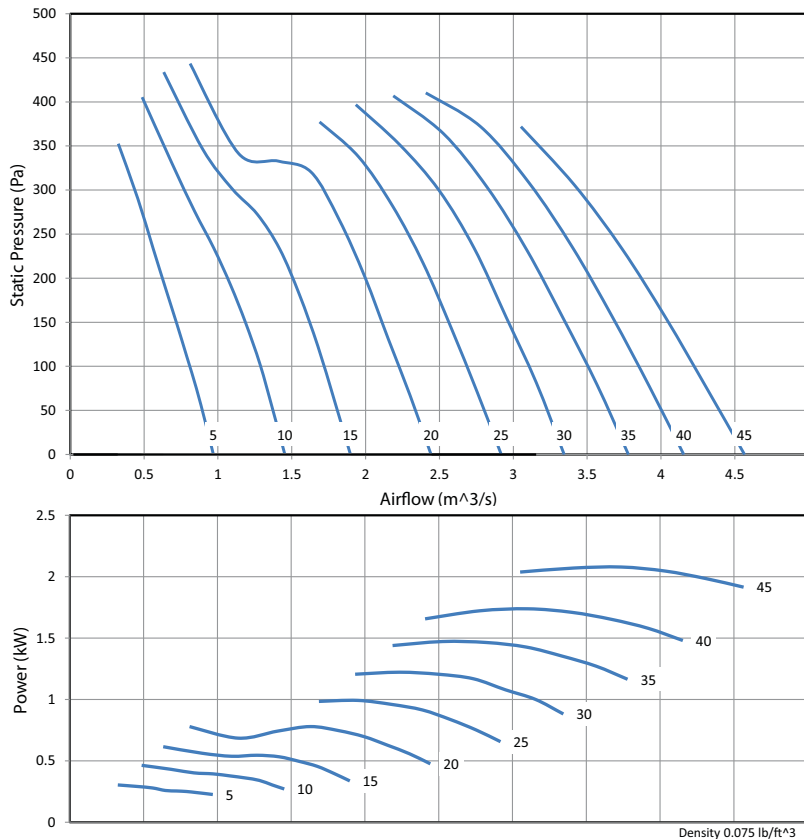


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	3	72	72	77	83	80	74	69	62	84	72.5
	125	71	73	78	84	80	72	66	61	84	72.5
	229	78	82	78	76	72	67	64	61	78	66.5
15°	3	71	73	76	78	76	74	71	64	81	69.5
	165	72	73	74	75	73	71	68	65	78	66.5
	296	87	90	85	82	76	71	67	65	83	71.5
25°	5	76	76	77	78	76	75	72	65	82	70.5
	165	76	76	76	76	73	71	68	64	79	67.5
	314	81	80	81	83	78	74	70	69	83	71.5
35°	7	79	79	80	80	77	76	73	66	83	71.5
	169	78	81	81	78	74	72	69	65	81	69.5
	326	82	81	81	79	75	72	71	70	81	69.5
45°	8	85	87	88	86	82	79	77	72	88	76.5
	169	85	86	88	87	81	77	75	73	88	76.5
	321	87	84	86	87	81	77	74	72	87	75.5

RA-560-325-275-9 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

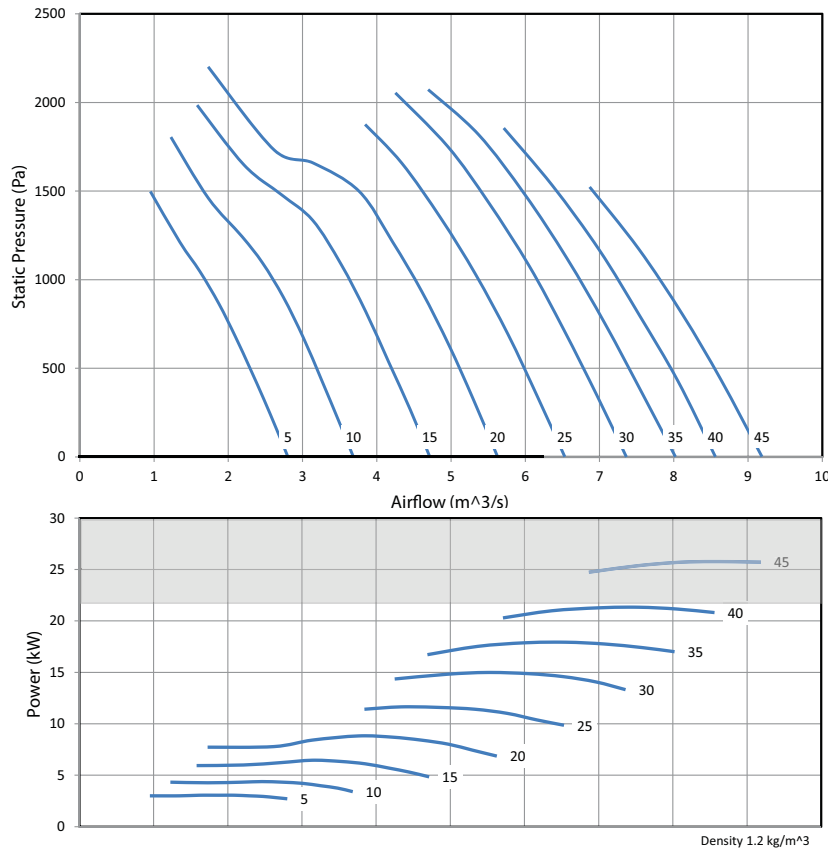


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	2	77	77	80	83	80	75	71	63	84	72.5
	167	75	79	84	83	77	71	67	61	83	71.5
	318	80	80	82	78	74	70	68	65	80	68.5
15°	3	74	73	77	80	78	75	72	65	83	71.5
	211	74	75	78	81	78	74	69	65	82	70.5
	406	85	83	84	81	76	72	69	68	83	71.5
25°	5	76	75	77	79	78	77	74	67	83	71.5
	172	74	74	76	78	76	74	71	68	81	69.5
	328	78	76	79	80	75	72	69	68	81	69.5
35°	8	79	79	81	83	80	78	76	68	85	73.5
	206	80	79	80	81	78	74	72	68	83	71.5
	381	81	78	81	82	77	74	72	72	83	71.5
45°	12	84	83	86	87	83	80	77	70	88	76.5
	172	85	83	85	86	82	78	75	71	87	75.5
	388	84	82	85	86	81	76	74	73	87	75.5

RA-560-375-275-6 (3500 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	10	91	91	91	93	102	100	94	90	105	93.5
	741	89	89	91	93	103	102	93	87	106	94.5
	1471	94	94	102	97	97	91	86	83	101	89.5
15°	19	95	95	93	92	95	95	92	90	100	88.5
	974	93	93	93	92	94	92	89	86	99	87.5
	1861	106	106	110	103	102	95	89	86	107	95.5
25°	19	97	97	99	99	99	95	93	91	103	91.5
	974	98	98	96	95	99	94	90	87	102	90.5
	1919	101	101	99	100	101	97	92	88	105	93.5
35°	29	102	102	101	100	104	100	96	93	107	95.5
	741	104	104	101	100	102	99	94	91	106	94.5
	1900	107	107	101	100	102	98	94	91	106	94.5
45°	39	106	106	105	104	108	103	100	97	111	99.5
	741	105	105	104	104	106	103	98	96	110	98.5
	1705	108	108	109	108	108	104	99	94	112	100.5



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

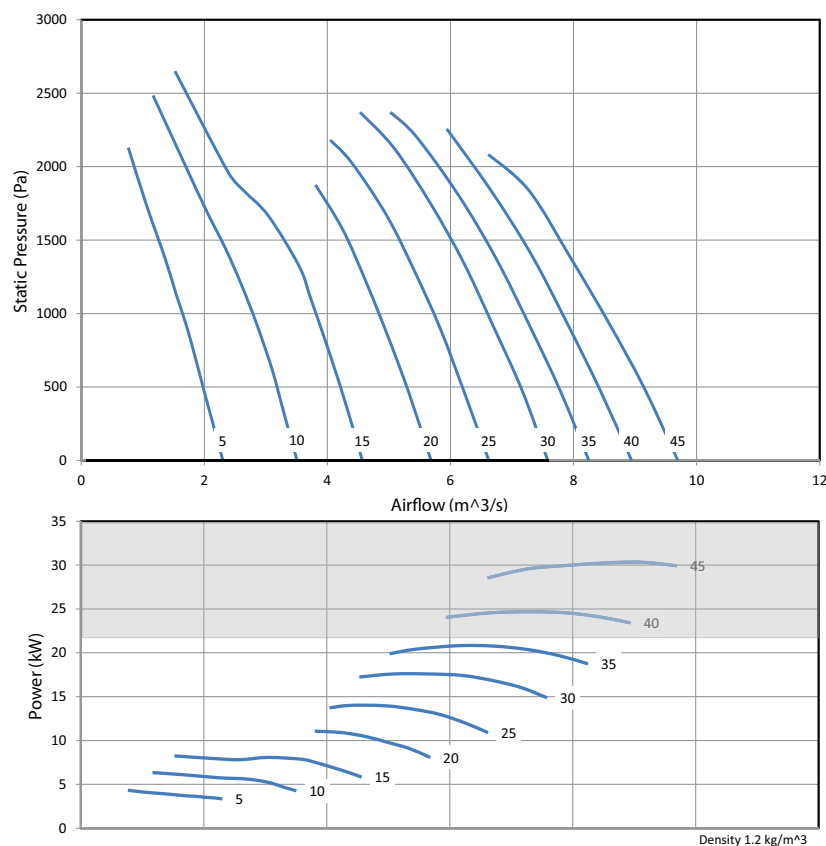


Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.



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RA-560-375-275-9 (3500 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	10	95	95	95	98	103	100	95	92	106	94.5
	974	94	94	95	101	106	99	92	89	108	96.5
	1949	101	101	100	102	97	92	89	87	102	90.5
15°	19	92	92	92	94	98	97	94	92	102	90.5
	1218	96	96	92	94	100	96	93	89	103	91.5
	2319	106	106	105	106	103	96	90	86	107	95.5
25°	19	96	96	94	97	99	97	95	93	104	92.5
	1003	96	96	93	95	98	94	92	89	101	89.5
	2173	100	100	96	99	102	96	93	89	105	93.5
35°	29	103	103	99	101	104	100	97	95	107	95.5
	1237	100	100	97	99	102	98	94	91	105	93.5
	2348	103	103	99	100	102	98	94	90	105	93.5
45°	39	107	107	103	105	107	104	100	97	111	99.5
	945	106	106	101	104	106	103	98	95	109	97.5
	1939	106	106	101	103	106	102	97	93	109	97.5



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

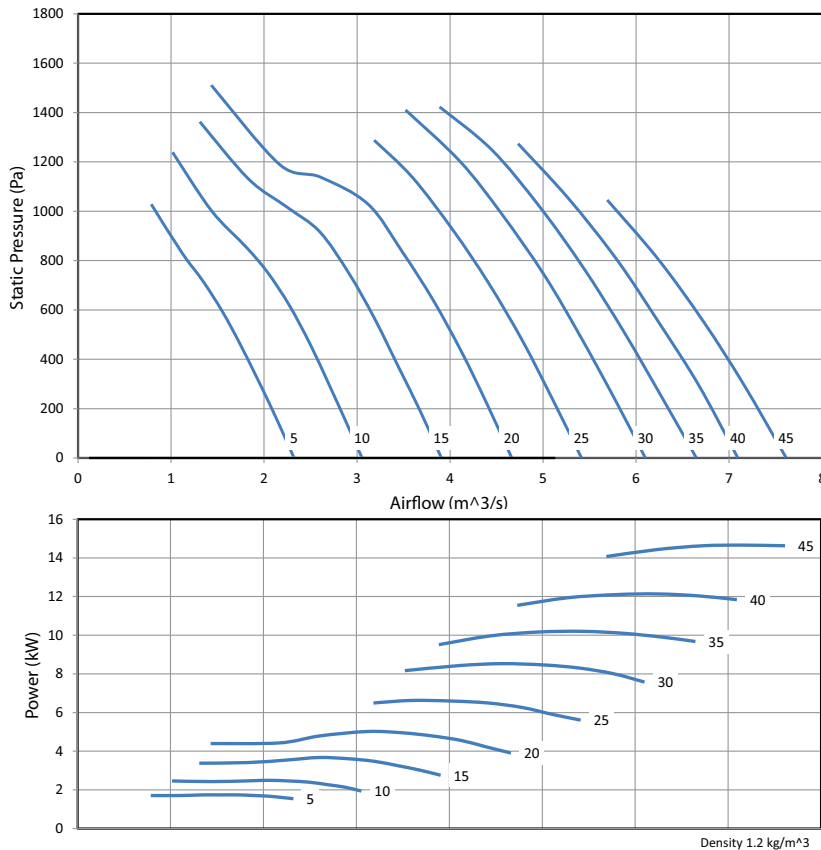


Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.



FEG 75

RA-560-375-275-6 (2900 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

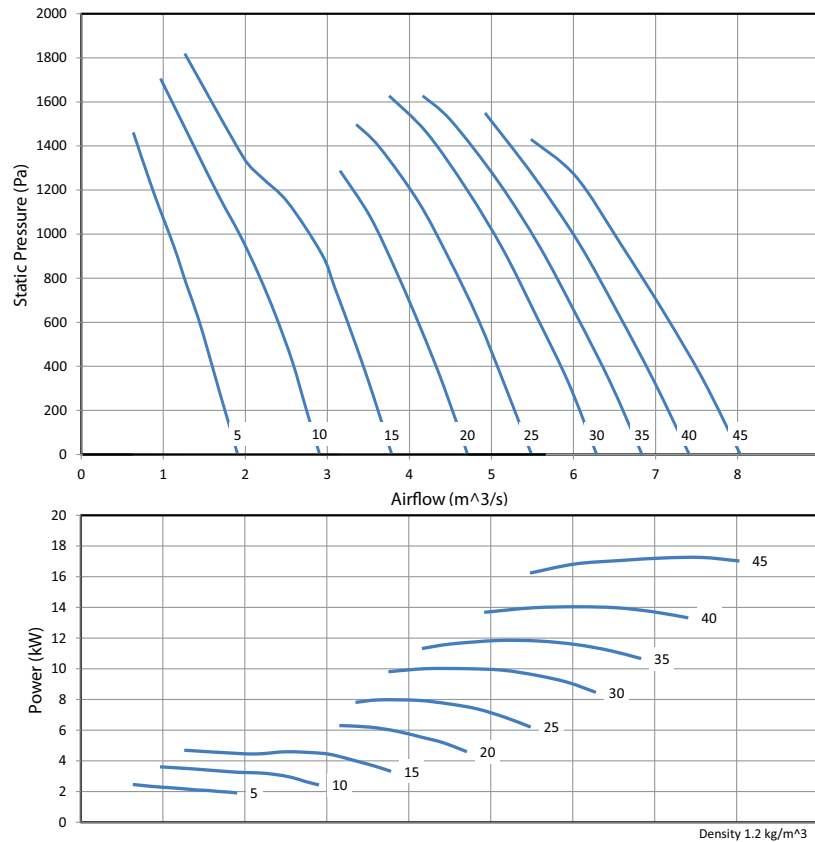


FEG 75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	7	87	87	88	91	97	94	89	84	100	88.5
	508	85	85	87	92	99	95	87	82	101	89.5
	1010	90	93	98	93	91	85	81	78	96	84.5
15°	13	91	90	89	89	91	90	87	84	96	84.5
	669	89	89	89	89	90	87	84	81	94	82.5
	1278	102	103	106	99	96	89	84	81	102	90.5
25°	13	93	93	95	95	94	91	88	85	98	86.5
	669	94	94	92	92	94	89	85	83	97	85.5
	1318	97	96	95	96	96	91	87	84	100	88.5
35°	20	98	98	97	97	99	95	91	88	102	90.5
	508	100	99	96	96	97	93	89	86	101	89.5
	1304	103	101	96	96	97	93	89	87	101	89.5
45°	27	102	102	101	101	102	98	95	92	106	94.5
	508	101	101	100	101	101	98	94	91	105	93.5
	1171	104	104	105	104	102	98	94	89	107	95.5

RA-560-375-275-9 (2900 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

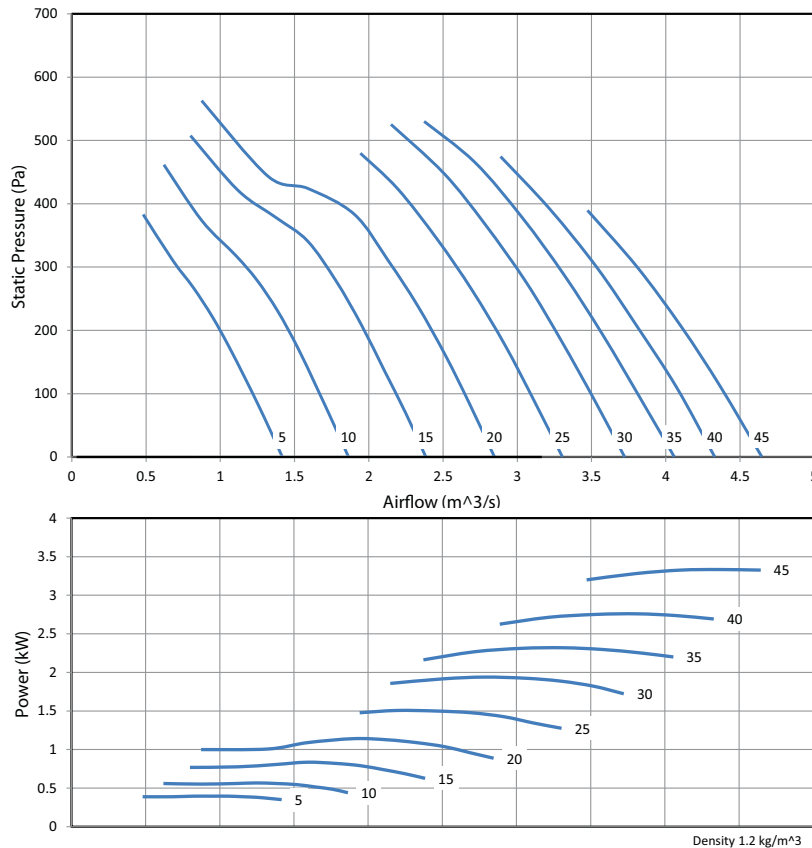


FEG 75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	7	91	91	92	95	98	95	90	86	101	89.5
	669	90	90	93	98	100	93	87	83	102	90.5
	1338	97	96	96	98	91	87	84	82	98	86.5
15°	13	88	88	88	91	93	92	89	86	98	86.5
	836	92	91	88	91	95	91	88	84	98	86.5
	1592	102	102	101	102	97	90	85	81	102	90.5
25°	13	92	92	91	94	95	92	91	88	99	87.5
	689	92	91	89	92	93	89	87	85	97	85.5
	1492	96	95	93	95	96	91	88	84	100	88.5
35°	20	99	98	96	98	99	95	92	89	103	91.5
	849	96	95	93	96	97	93	89	86	100	88.5
	1612	99	98	95	97	97	92	89	86	100	88.5
45°	27	103	101	99	102	102	99	95	92	106	94.5
	649	102	100	97	100	101	97	93	90	105	93.5
	1331	102	100	97	100	101	96	92	89	104	92.5

RA-560-375-275-6 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

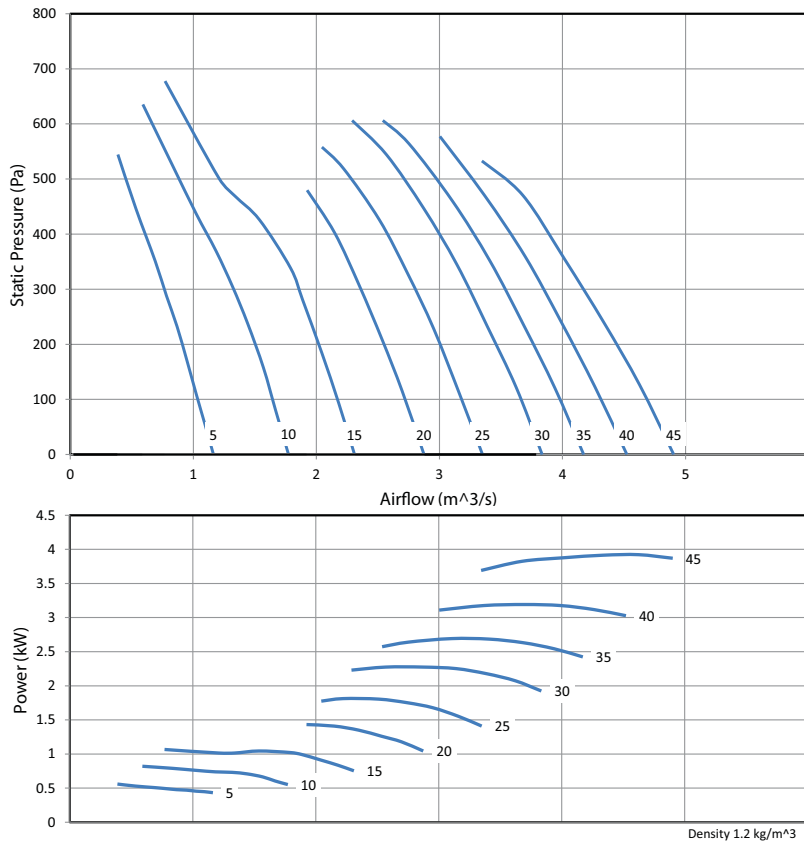


FEG 75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	2	76	77	78	87	85	79	75	68	89	77.5
	189	74	76	78	88	87	78	72	67	90	78.5
	376	80	88	83	82	76	71	68	65	83	71.5
15°	5	80	78	77	81	80	77	75	69	84	72.5
	249	78	78	77	80	77	74	72	68	82	70.5
	476	91	95	88	87	80	74	71	69	88	76.5
25°	5	82	84	84	84	81	78	76	71	86	74.5
	249	84	81	80	84	79	75	73	70	85	73.5
	491	86	85	85	87	82	77	74	72	87	75.5
35°	7	87	86	85	89	85	82	79	75	90	78.5
	189	89	86	85	87	84	80	76	74	89	77.5
	486	92	86	85	87	83	79	76	76	89	77.5
45°	10	92	90	89	93	89	85	82	80	94	82.5
	189	91	89	89	91	88	84	81	79	93	81.5
	436	93	94	93	93	89	84	79	75	94	82.5

RA-560-375-275-9 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

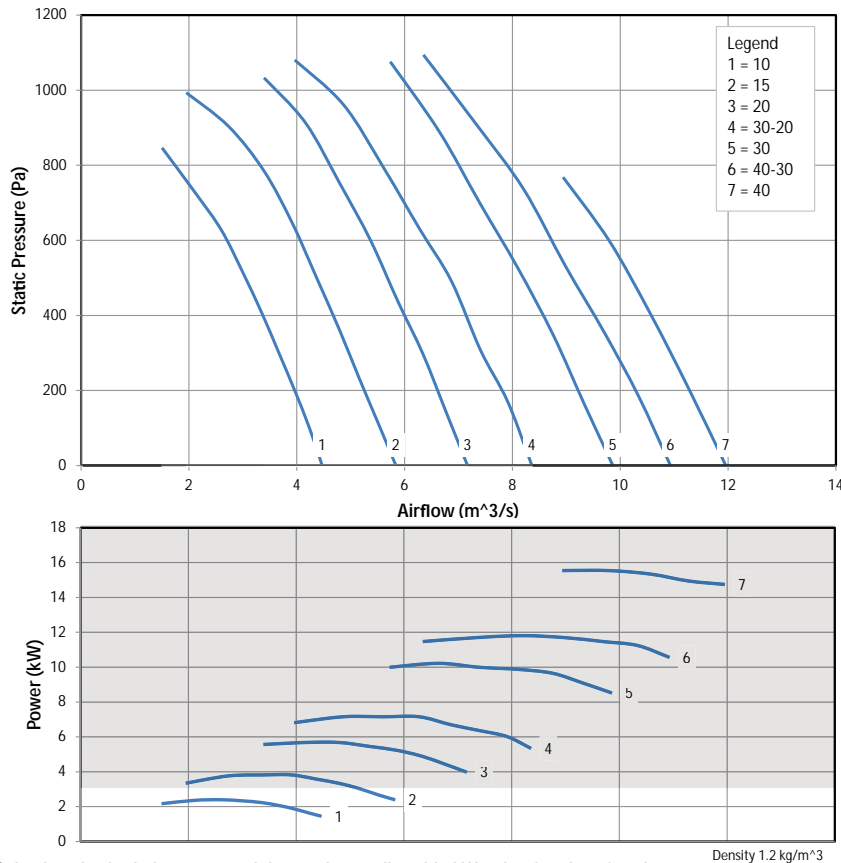


FEG 75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	2	80	81	83	88	85	80	78	70	90	78.5
	249	79	80	86	91	84	78	74	69	90	78.5
	498	86	85	87	82	77	74	72	70	84	72.5
15°	5	77	77	79	83	82	79	77	71	86	74.5
	311	81	77	79	85	81	78	74	72	86	74.5
	593	91	90	91	88	81	75	71	70	88	76.5
25°	5	82	79	82	85	82	81	78	74	88	76.5
	257	82	78	80	83	80	77	75	72	85	73.5
	556	86	81	84	87	82	78	74	73	88	76.5
35°	7	89	85	86	89	85	82	80	75	91	79.5
	316	85	82	84	87	83	79	76	74	88	76.5
	601	88	84	85	87	83	79	76	76	88	76.5
45°	10	92	88	91	93	89	85	82	78	94	82.5
	242	91	86	89	91	88	84	80	77	93	81.5
	496	91	86	88	91	87	82	79	78	92	80.5

RA-630-225-4 (2900 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

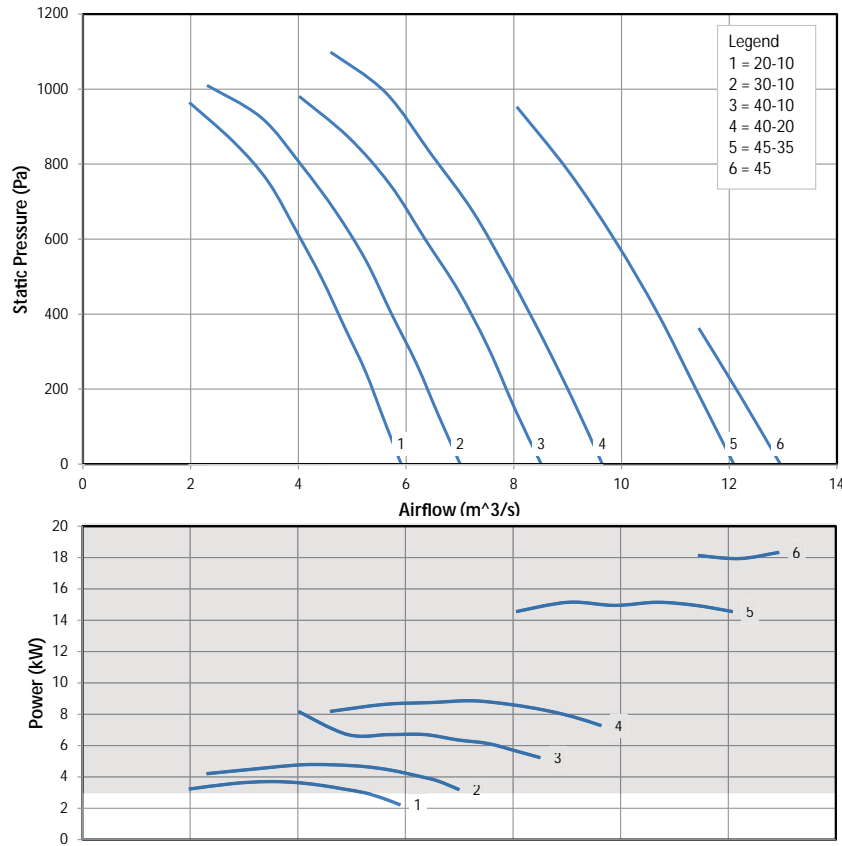


Blade Pitch	FEG
10	75
15-15	80
20-20	80
30-20	85
30-30	80
40-30	85
40-40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	7	87	88	92	96	92	90	89	89	98	86.5
	468	84	87	95	96	92	92	90	90	99	87.5
	796	91	91	94	99	101	96	92	93	104	92.5
20°	15	93	93	93	92	93	92	91	92	99	87.5
	474	94	94	94	91	92	92	93	95	100	88.5
	995	96	96	96	95	97	96	96	97	103	91.5
30-20°	15	95	95	97	95	94	94	93	94	101	89.5
	536	97	97	97	91	92	93	95	97	101	89.5
	1056	98	98	98	95	96	96	98	99	104	92.5
40-30°	31	100	100	100	95	97	97	97	99	104	92.5
	566	99	99	99	95	96	96	98	100	105	93.5
	1071	98	98	98	93	94	95	96	99	103	91.5
40°	22	109	109	109	97	99	100	101	103	108	96.5
	334	109	109	109	97	99	99	100	102	108	96.5
	757	117	117	117	103	101	100	100	100	111	99.5

RA-630-225-4 (2900 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Density 1.2 kg/m³



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).



Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

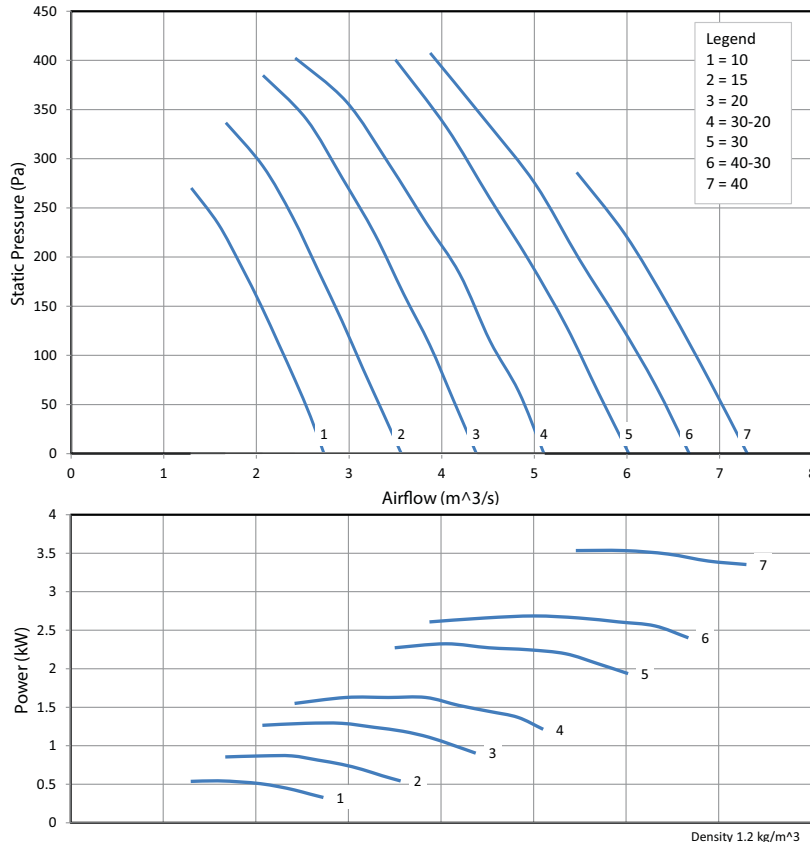


Blade Pitch	FEG
20-10	85
30-10	85
40-10	90
40-20	85
45-35	85
45-45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	10	85	85	89	94	94	92	90	90	99	87.5
	418	87	87	90	90	92	90	89	90	97	85.5
	917	97	97	97	102	102	96	93	95	105	93.5
40-10°	31	93	93	95	94	94	94	93	92	101	89.5
	474	93	93	93	91	93	93	92	93	100	88.5
	949	99	99	99	102	103	99	96	96	107	95.5
40-20°	31	102	102	102	94	96	95	94	93	102	90.5
	566	97	97	97	93	95	94	94	96	102	90.5
	1056	100	100	100	94	94	94	97	98	103	91.5
45-35°	67	107	107	107	97	99	99	100	102	107	95.5
	200	106	106	106	98	101	100	100	102	108	96.5
	846	108	108	108	97	99	99	98	100	107	95.5
45°	0	74	74	74	65	56	49	45	43	68	56.5
	423	109	109	109	98	100	101	100	102	108	96.5
	735	125	125	125	107	104	102	99	98	117	105.5

RA-630-225-4 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

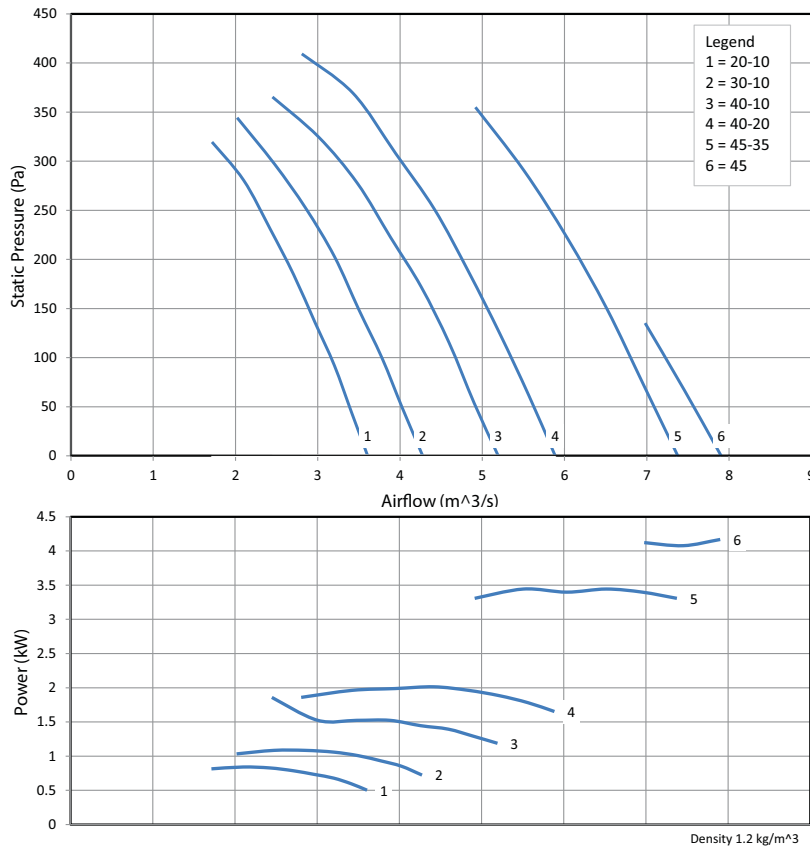


Blade Pitch	FEG
10	75
15-15	80
20-20	80
30-20	85
30-30	80
40-30	85
40-40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	2	76	78	86	82	79	78	78	79	86	74.5
	174	73	83	87	81	82	78	78	79	87	75.5
	296	79	81	87	91	87	81	82	81	92	80.5
20°	6	82	82	81	81	81	80	81	83	88	76.5
	177	83	83	80	80	81	81	83	84	89	77.5
	371	85	85	84	86	86	85	86	86	92	80.5
30-20°	6	84	85	85	82	83	82	82	83	90	78.5
	200	86	86	80	81	82	83	85	86	91	79.5
	393	87	87	84	85	85	86	88	88	93	81.5
40-30°	11	89	89	84	85	86	86	87	87	93	81.5
	211	88	88	83	84	85	86	89	88	94	82.5
	399	87	87	82	83	83	84	87	88	93	81.5
40°	8	98	98	85	87	89	88	92	91	97	85.5
	241	97	97	85	86	88	86	89	91	95	83.5
	2148	108	108	104	94	91	87	82	76	99	87.5

RA-630-225-4 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

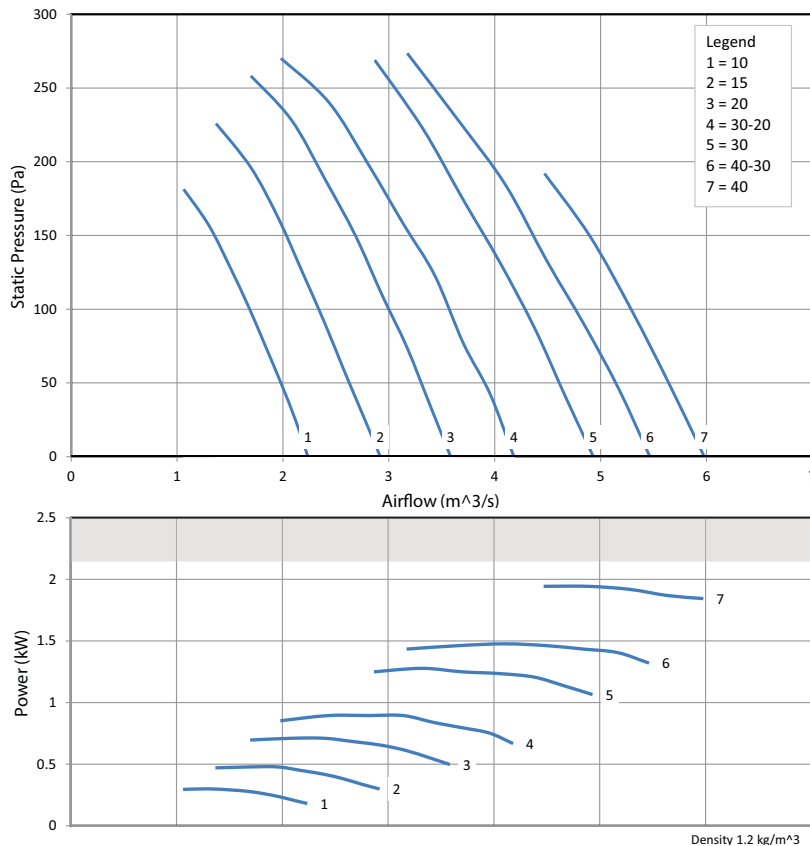


Blade Pitch	FEG
20-10	85
30-10	85
40-10	90
40-20	85
45-35	85
45-45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	4	74	78	81	83	81	79	79	80	87	75.5
	215	76	78	78	81	80	79	79	81	87	75.5
	342	86	86	89	91	87	83	83	83	93	81.5
40-10°	11	82	83	83	82	83	82	81	82	89	77.5
	177	82	82	80	81	82	81	82	83	89	77.5
	353	88	88	90	92	89	86	85	85	94	82.5
40-20°	11	91	91	82	84	84	83	82	80	90	78.5
	211	86	86	81	83	83	83	85	84	90	78.5
	393	89	89	82	83	83	84	87	86	92	80.5
45-35°	25	96	96	85	88	88	88	91	89	96	84.5
	241	93	93	84	89	89	87	90	90	96	84.5
	2148	108	108	104	94	91	87	82	76	99	87.5
45°	0	63	63	56	47	39	35	31	34	52	40.5
	158	98	98	86	88	90	88	90	91	97	85.5
	274	113	113	98	93	91	88	87	84	100	88.5

RA-630-225-4 (1450 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

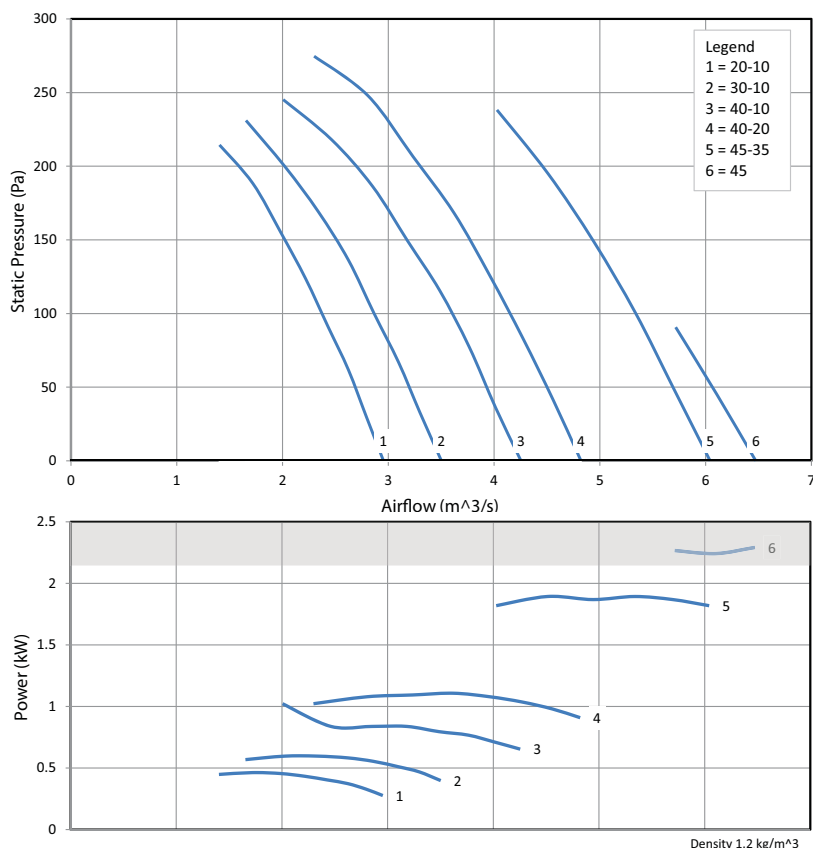


Blade Pitch	FEG
10	75
15-15	80
20-20	80
30-20	85
30-30	80
40-30	85
40-40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	2	72	76	80	77	75	74	74	74	82	70.5
	117	71	80	81	77	77	74	74	75	83	71.5
	199	76	78	84	86	81	77	77	76	87	75.5
20°	4	78	78	76	77	77	76	77	79	84	72.5
	119	78	78	76	76	76	77	79	80	85	73.5
	249	81	81	80	82	81	81	82	81	88	76.5
30-20°	4	79	81	79	78	78	78	78	79	85	73.5
	134	82	82	75	77	77	79	81	81	87	75.5
	264	82	82	80	81	80	82	84	83	89	77.5
40-30°	8	85	85	80	81	81	82	83	82	89	77.5
	141	84	84	79	80	81	83	85	83	90	78.5
	268	83	83	78	79	79	80	83	84	89	77.5
40°	5	93	93	81	84	84	85	87	85	93	81.5
	161	92	92	81	82	83	83	86	85	91	79.5
	1442	104	104	96	89	86	81	76	71	93	81.5

RA-630-225-4 (1450 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

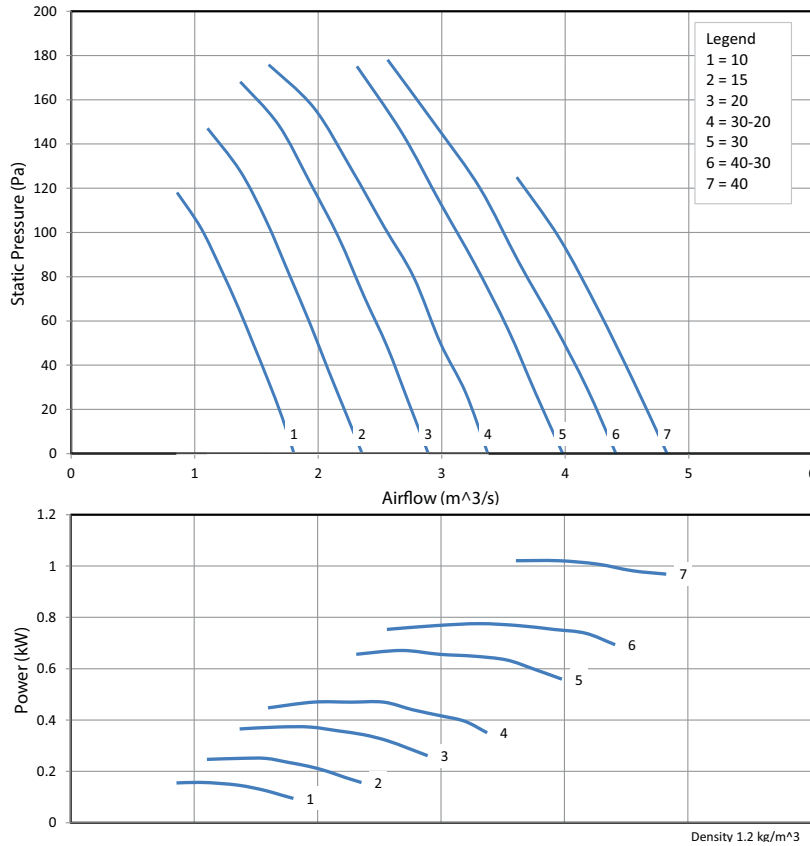


Blade Pitch	FEG
20-10	85
30-10	85
40-10	90
40-20	85
45-35	85
45-45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	2	69	74	79	78	77	74	74	77	83	71.5
	144	72	73	74	77	75	74	75	77	82	70.5
	229	81	82	86	87	81	78	79	78	88	76.5
40-10°	8	77	79	78	79	79	77	77	78	85	73.5
	119	77	77	75	77	77	77	77	79	84	72.5
	237	83	83	87	87	83	81	81	80	90	78.5
40-20°	8	86	86	78	80	79	78	77	75	85	73.5
	141	82	82	78	79	78	79	81	78	86	74.5
	264	85	85	78	79	79	81	83	80	88	76.5
45-35°	17	91	91	82	84	84	85	86	84	92	80.5
	161	89	89	82	85	84	83	86	84	91	79.5
	1442	104	104	96	89	86	81	76	71	93	81.5
45°	0	58	58	49	40	33	29	28	30	46	34.5
	106	93	93	82	84	85	84	86	86	92	80.5
	184	109	109	92	88	86	84	82	78	96	84.5

RA-630-225-4 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

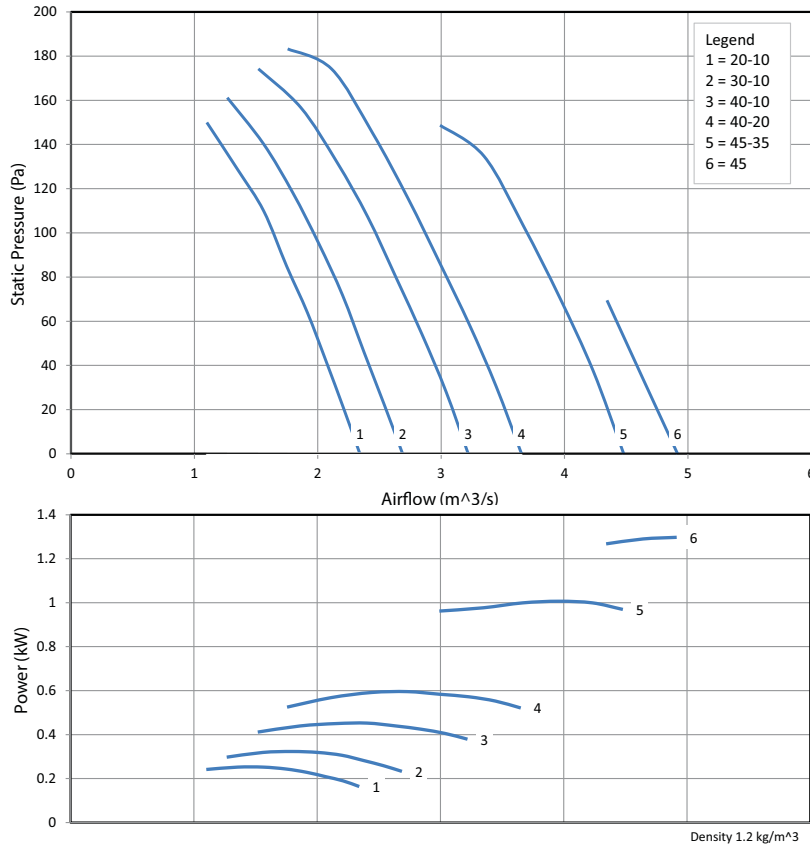


Blade Pitch	FEG
10	75
15-15	80
20-20	80
30-20	85
30-30	80
40-30	85
40-40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	1	69	74	74	71	70	69	69	70	77	65.5
	76	74	76	74	72	71	69	70	71	78	66.5
	130	72	75	80	80	74	73	72	71	82	70.5
20°	2	73	72	71	73	71	71	73	75	80	68.5
	77	74	72	70	72	71	73	75	76	81	69.5
	162	76	74	76	78	75	76	77	77	84	72.5
30-20°	2	75	77	73	74	73	73	74	75	81	69.5
	87	77	71	71	73	73	76	77	76	82	70.5
	172	78	74	76	76	75	78	79	78	85	73.5
40-30°	5	80	74	75	77	76	78	79	77	84	72.5
	92	79	73	75	76	76	79	81	77	86	74.5
	174	78	73	73	75	74	76	80	78	84	72.5
40°	4	89	79	77	80	79	82	83	78	88	76.5
	105	88	79	76	78	78	79	82	79	87	75.5
	939	99	97	88	84	80	75	69	65	87	75.5

RA-630-225-4 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

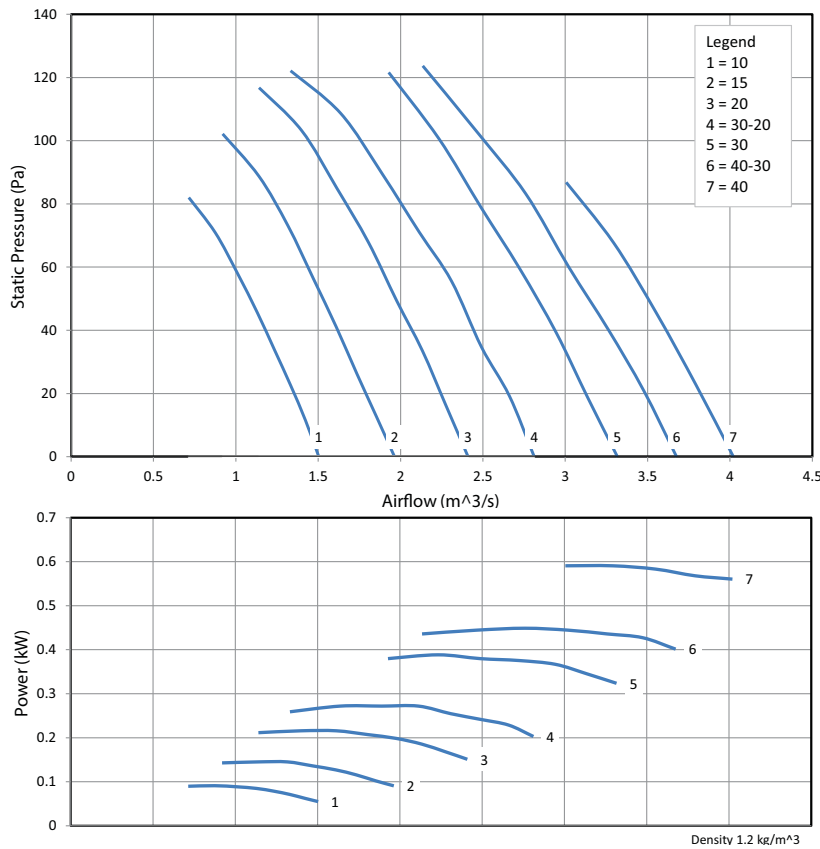


Blade Pitch	FEG
20-10	85
30-10	85
40-10	90
40-20	85
45-35	85
45-45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	2	69	71	74	73	71	69	70	73	78	66.5
	94	69	69	70	72	70	70	71	73	78	66.5
	149	77	79	82	80	75	74	74	73	83	71.5
40-10°	5	73	75	72	75	74	72	72	74	80	68.5
	77	73	71	70	74	72	72	73	74	80	68.5
	154	79	78	84	82	77	76	76	75	85	73.5
40-20°	5	82	72	74	76	74	73	73	70	80	68.5
	92	77	72	73	75	73	75	76	72	82	70.5
	172	80	73	74	75	74	78	78	74	84	72.5
45-35°	11	87	79	78	79	79	81	81	77	87	75.5
	105	84	77	79	80	78	80	81	78	87	75.5
	939	99	97	88	84	80	75	69	65	87	75.5
45°	0	54	50	42	33	27	23	24	26	39	27.5
	69	89	80	78	81	79	80	82	80	88	76.5
	120	104	94	86	83	80	79	77	72	87	75.5

RA-630-225-4 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

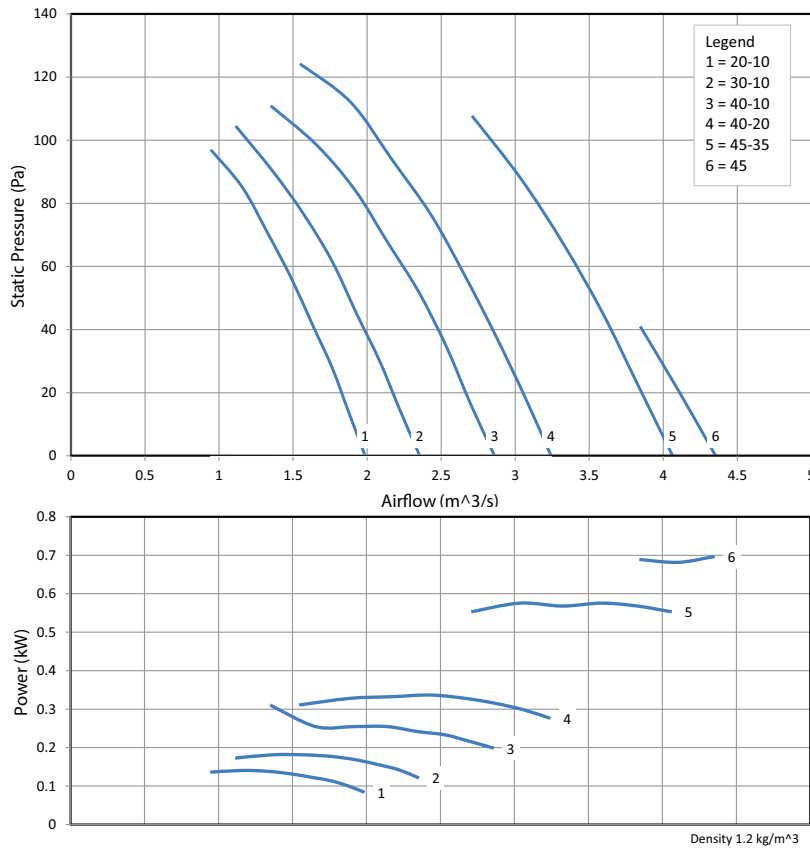


Blade Pitch	FEG
10	75
15-15	80
20-20	80
30-20	85
30-30	80
40-30	85
40-40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	1	66	72	69	67	65	65	66	66	73	61.5
	53	70	73	68	69	66	66	66	67	74	62.5
	90	68	73	78	75	69	69	68	67	77	65.5
20°	2	69	68	68	69	67	67	69	72	76	64.5
	54	70	68	67	68	68	69	71	72	77	65.5
	112	72	70	72	73	71	73	73	72	80	68.5
30-20°	2	71	72	69	70	69	69	70	72	77	65.5
	61	73	67	67	69	69	72	73	72	79	67.5
	119	74	70	72	72	72	75	75	73	81	69.5
40-30°	3	76	71	72	73	72	74	74	72	80	68.5
	64	75	70	71	72	73	76	76	73	82	70.5
	121	74	69	69	71	71	73	76	74	80	68.5
40°	2	85	72	74	77	75	79	79	73	84	72.5
	73	84	72	72	75	73	76	78	74	83	71.5
	652	95	92	82	79	75	70	64	60	82	70.5

RA-630-225-4 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

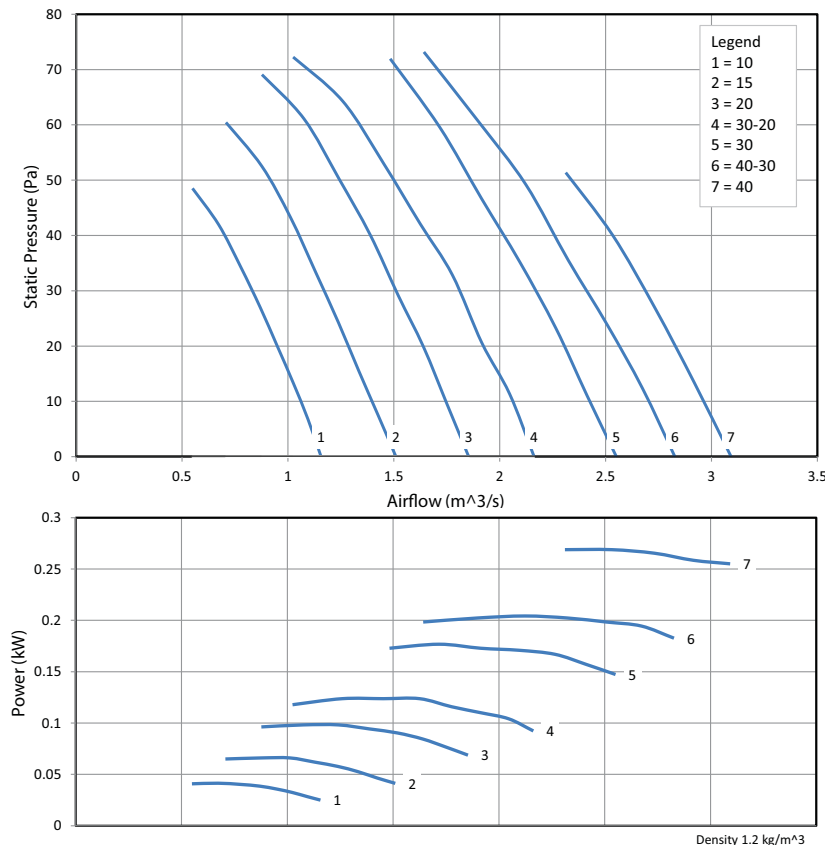


Blade Pitch	FEG
20-10	85
30-10	85
40-10	90
40-20	85
45-35	85
45-45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	1	65	68	70	69	67	66	67	70	74	62.5
	65	65	65	67	67	66	66	68	70	74	62.5
	104	73	76	78	75	71	70	70	69	78	66.5
40-10°	3	69	71	69	71	69	68	68	70	76	64.5
	54	69	67	67	69	68	69	69	71	76	64.5
	107	75	76	80	77	73	72	72	71	80	68.5
40-20°	3	78	69	71	72	70	69	68	65	76	64.5
	64	73	68	70	70	69	71	71	67	77	65.5
	119	76	69	70	70	71	74	73	69	79	67.5
45-35°	7	83	72	75	75	74	78	77	72	83	71.5
	73	80	71	76	77	73	76	78	73	83	71.5
	652	95	92	82	79	75	70	64	60	82	70.5
45°	0	50	44	36	26	22	18	20	23	33	21.5
	48	85	73	74	78	75	77	79	75	84	72.5
	83	100	86	80	79	76	75	72	66	83	71.5

RA-630-225-4 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

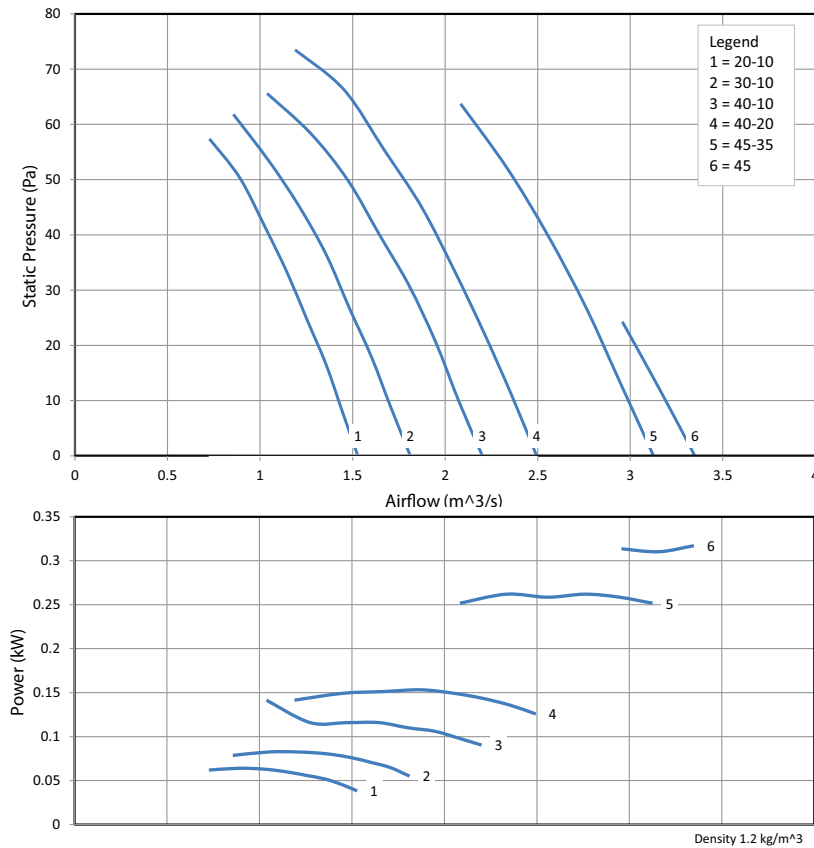


Blade Pitch	FEG
10	75
15-15	80
20-20	80
30-20	85
30-30	80
40-30	85
40-40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	0	62	66	62	60	59	59	60	61	67	55.5
	31	65	67	62	62	60	60	61	62	68	56.5
	53	64	69	72	67	63	63	62	61	71	59.5
20°	1	63	62	63	62	61	62	65	67	71	59.5
	32	64	61	62	62	63	65	66	66	72	60.5
	67	66	65	67	66	66	67	67	66	74	62.5
30-20°	1	67	65	64	64	63	64	65	67	72	60.5
	36	67	61	62	63	65	67	67	66	73	61.5
	71	68	65	66	66	68	69	69	67	75	63.5
40-30°	2	71	65	67	67	67	69	68	66	75	63.5
	38	69	65	66	66	69	71	69	66	76	64.5
	72	68	63	64	65	66	69	69	68	75	63.5
40°	1	79	67	69	70	70	73	71	65	78	66.5
	43	78	66	68	69	68	71	71	67	77	65.5
	386	89	83	75	72	67	62	57	54	74	62.5

RA-630-225-4 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

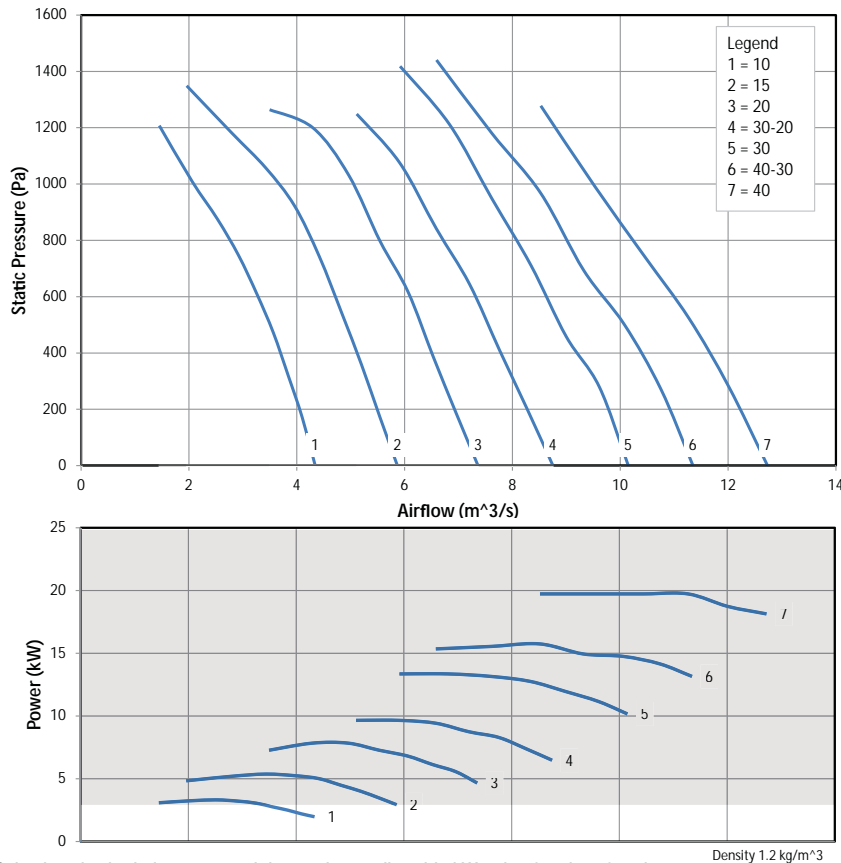


Blade Pitch	FEG
20-10	85
30-10	85
40-10	90
40-20	85
45-35	85
45-45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	1	59	64	64	62	60	60	62	65	69	57.5
	39	59	60	63	60	60	61	63	65	69	57.5
	61	68	72	72	67	64	65	64	63	72	60.5
40-10°	2	65	64	64	65	63	62	64	65	71	59.5
	32	63	61	63	63	63	63	64	66	71	59.5
	64	69	72	73	69	67	66	66	65	74	62.5
40-20°	2	72	64	66	65	64	63	61	58	70	58.5
	38	67	63	65	64	65	66	64	60	71	59.5
	71	70	64	65	64	67	69	66	62	73	61.5
45-35°	4	77	67	69	69	70	72	70	64	77	65.5
	43	75	67	71	70	69	71	70	66	77	65.5
	386	89	83	75	72	67	62	57	54	74	62.5
45°	0	44	35	27	19	15	13	15	18	26	14.5
	28	79	68	70	71	70	72	72	68	78	66.5
	49	95	78	74	72	70	68	64	58	76	64.5

RA-630-225-6 (2900 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.



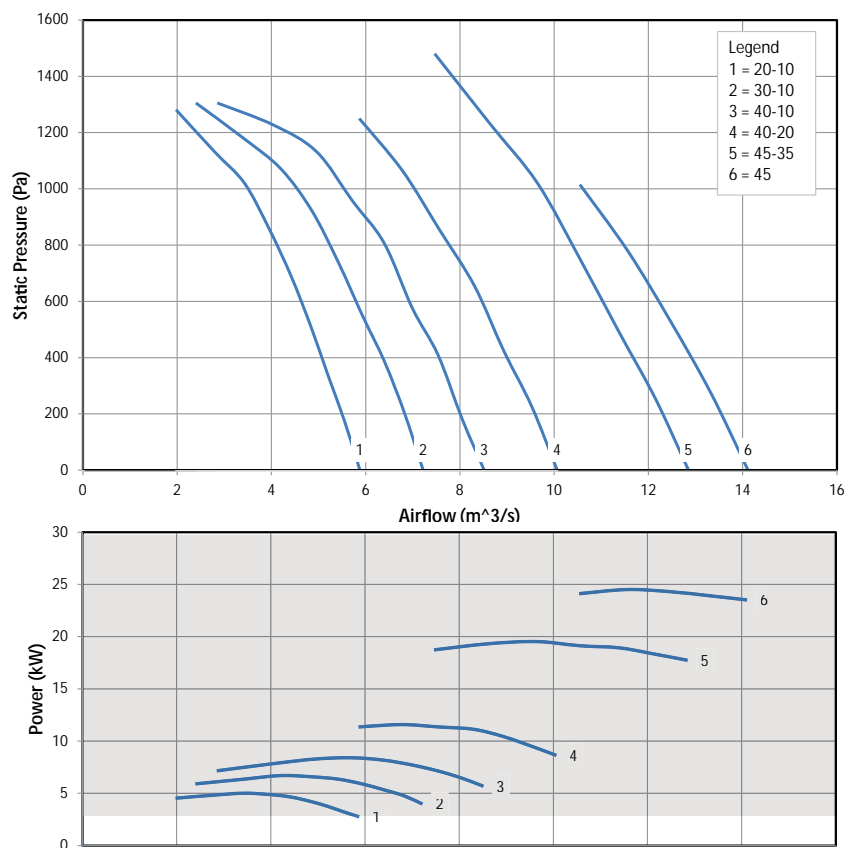
Blade Pitch	FEG
10	75
15-15	80
20-20	80
30-20	85
30-30	80
40-30	85
40-40	80

Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	7	81	83	91	96	92	92	91	90	99	87.5
	508	77	80	92	95	92	95	91	89	100	88.5
	1117	89	93	103	99	98	95	93	93	103	91.5
20°	15	89	89	97	95	95	94	93	92	101	89.5
	673	89	89	91	90	91	92	94	95	100	88.5
	1224	97	97	96	100	102	100	99	98	107	95.5
30-20°	15	86	86	95	94	95	95	95	94	102	90.5
	719	88	88	93	93	94	94	95	97	102	90.5
	1285	93	93	95	95	97	97	99	100	105	93.5
40-30°	67	99	99	101	99	98	98	98	98	105	93.5
	779	100	100	101	98	96	98	100	101	106	94.5
	1380	100	100	98	96	96	98	99	101	105	93.5
40°	22	103	103	102	100	100	101	102	103	109	97.5
	824	100	100	102	101	100	100	101	103	108	96.5
	1269	103	103	103	101	99	99	99	102	107	95.5

RA-630-225-6 (2900 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

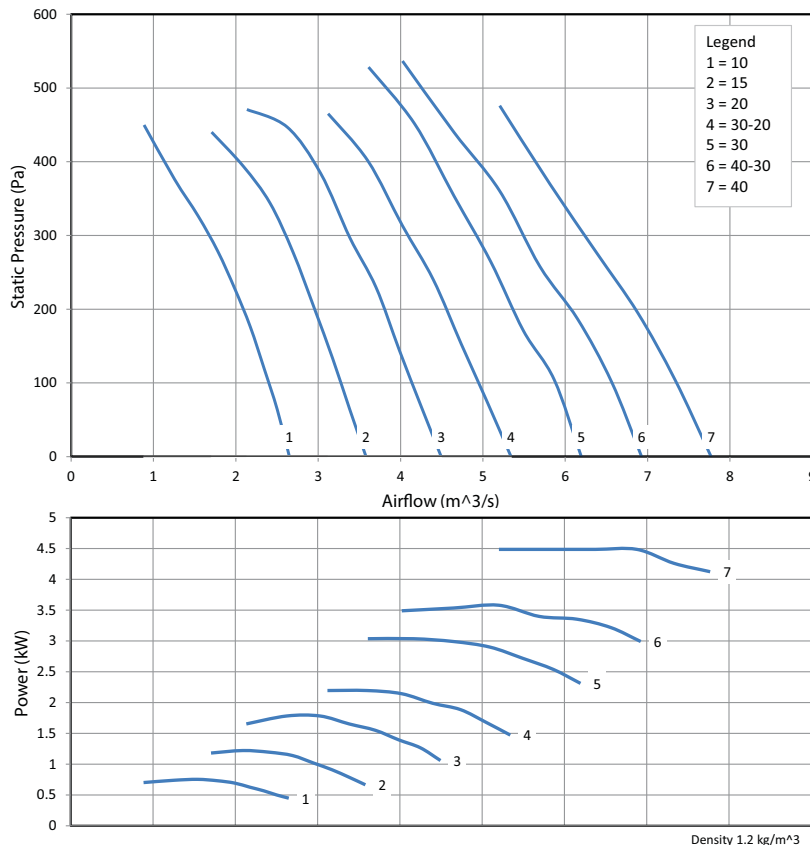


Blade Pitch	FEG
20-10	85
30-10	85
40-10	90
40-20	85
45-35	85
45-45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	10	82	82	91	91	94	93	92	91	99	87.5
	558	83	83	89	92	92	92	91	90	99	87.5
	1216	93	93	106	100	100	96	96	96	105	93.5
40-10°	31	89	89	95	94	96	96	95	94	102	90.5
	643	88	88	94	92	94	94	93	92	100	88.5
	1255	106	106	106	104	101	97	97	96	107	95.5
40-20°	31	91	91	94	95	97	97	96	94	103	91.5
	689	91	91	95	94	95	95	96	97	103	91.5
	1224	98	98	97	94	96	97	99	99	104	92.5
45-35°	67	102	102	103	101	101	102	101	102	109	97.5
	824	99	99	99	98	97	100	101	103	107	95.5
	1403	102	102	101	98	98	99	99	102	106	94.5
45°	67	100	100	103	103	104	104	105	106	111	99.5
	468	98	98	99	100	103	105	105	105	111	99.5
	1046	100	100	103	102	102	104	104	104	111	99.5

RA-630-225-6 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

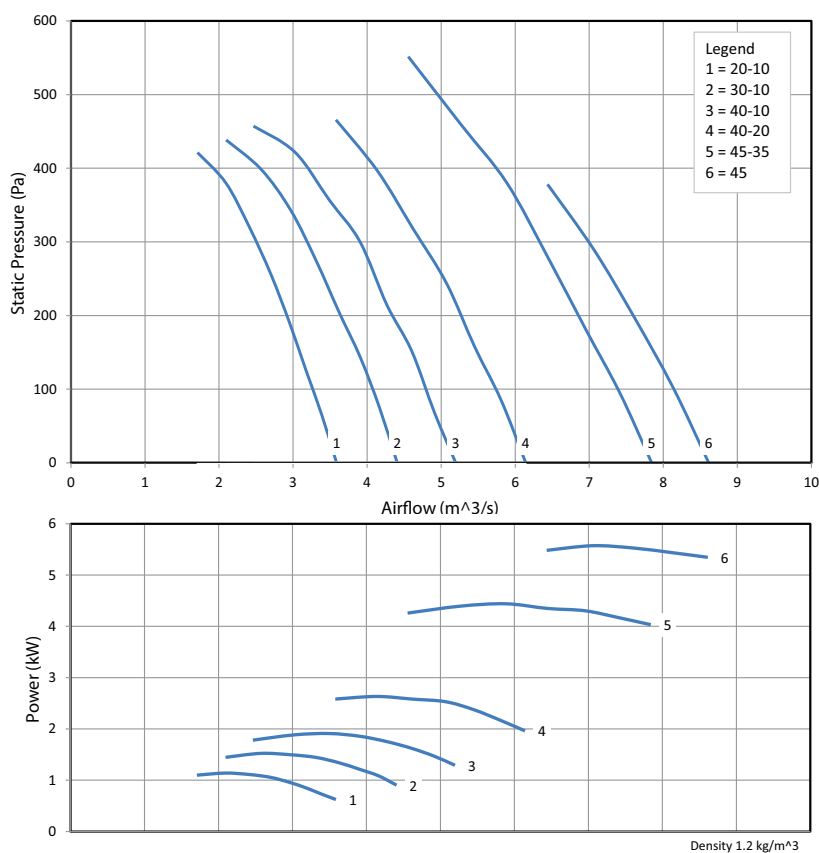


Blade Pitch	FEG
10	75
15-15	80
20-20	80
30-20	85
30-30	80
40-30	80
40-40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	2	69	77	86	80	81	80	79	76	87	75.5
	254	67	78	89	85	91	84	79	77	93	81.5
	416	77	92	88	88	85	81	83	80	91	79.5
20°	6	78	85	85	84	83	82	81	79	89	77.5
	251	78	80	79	79	81	82	83	82	89	77.5
	456	86	85	87	91	90	88	87	85	95	83.5
30-20°	6	75	84	83	83	84	84	83	80	90	78.5
	268	77	82	82	82	83	83	85	84	91	79.5
	479	81	83	84	85	86	87	88	86	94	82.5
40-30°	25	88	89	89	86	88	86	88	86	94	82.5
	290	89	89	89	84	86	87	90	88	95	83.5
	514	88	88	85	84	87	86	90	89	95	83.5
40°	8	92	92	90	89	90	90	92	90	98	86.5
	307	89	91	91	88	90	89	92	92	98	86.5
	473	92	92	91	88	89	87	90	91	96	84.5

RA-630-225-6 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

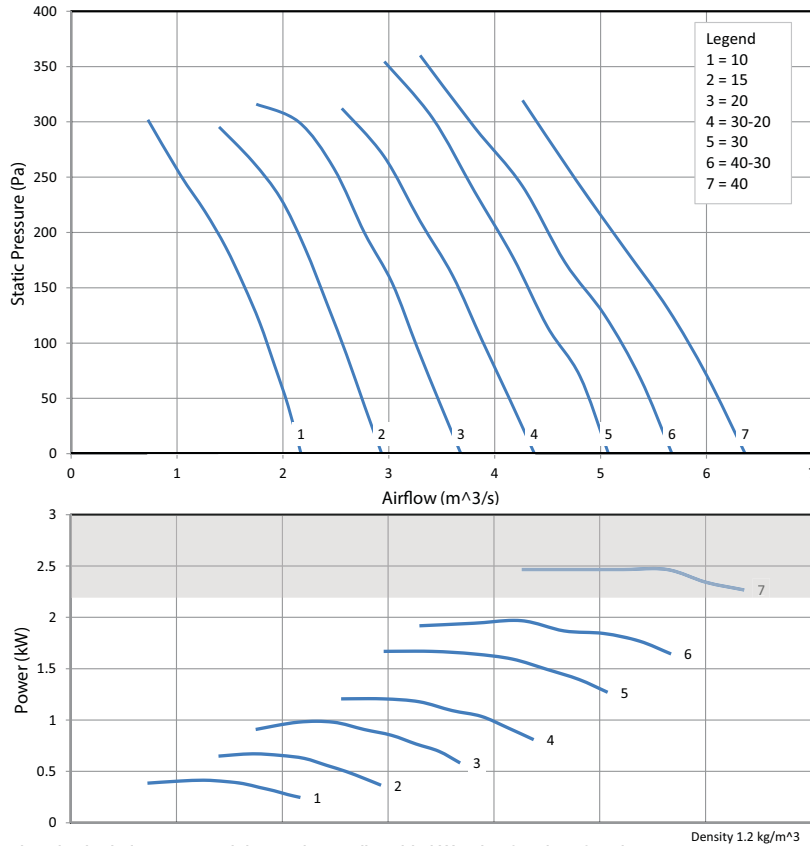


Blade Pitch	FEG
20-10	80
30-10	80
40-10	85
40-20	85
45-35	85
45-45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	4	70	80	80	82	82	81	80	77	88	76.5
	208	72	78	80	81	81	80	79	78	87	75.5
	453	82	94	91	89	86	84	85	82	93	81.5
40-10°	11	78	84	83	84	85	84	83	80	91	79.5
	336	80	82	82	83	85	83	82	81	90	78.5
	468	95	95	94	91	87	85	86	83	94	82.5
40-20°	11	80	83	84	85	86	85	84	81	91	79.5
	257	80	84	83	83	84	85	86	84	92	80.5
	456	87	86	84	84	86	87	88	86	93	81.5
45-35°	25	91	92	91	88	92	90	91	90	97	85.5
	307	88	88	88	85	89	89	92	90	97	85.5
	523	91	91	88	86	88	87	90	90	96	84.5
45°	25	89	92	92	92	93	93	94	93	100	88.5
	249	87	90	89	88	92	91	93	93	99	87.5
	390	89	92	92	90	94	93	92	94	100	88.5

RA-630-225-6 (1450 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

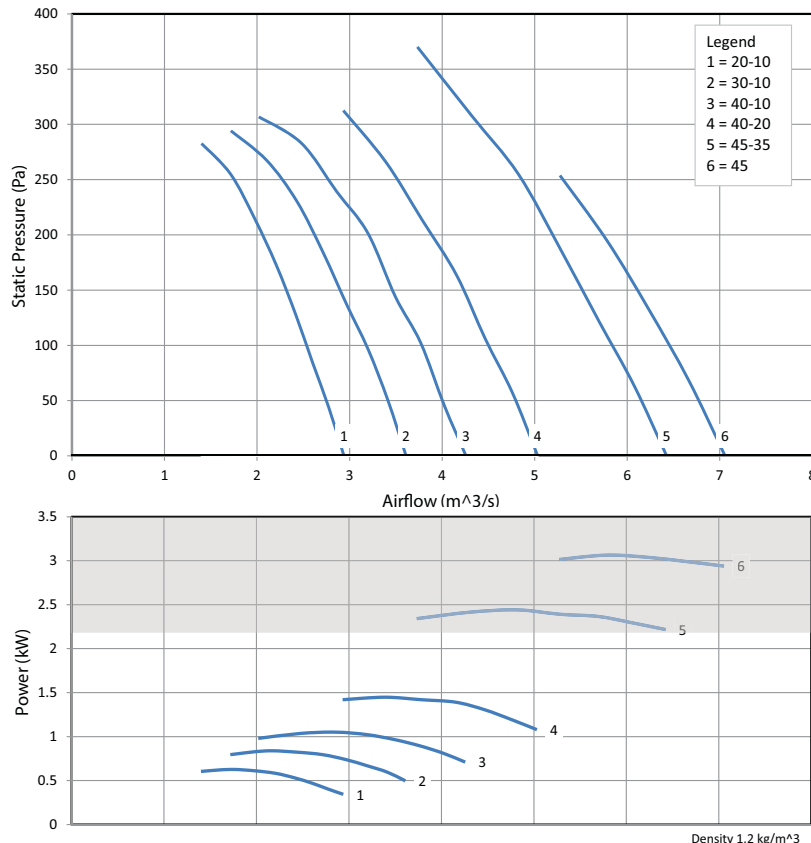


Blade Pitch	FEG
10	75
15-15	80
20-20	80
30-20	85
30-30	80
40-30	80
40-40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	2	67	76	80	76	77	76	74	71	82	70.5
	171	66	77	83	82	85	78	74	72	87	75.5
	279	77	88	84	83	80	77	78	75	86	74.5
20°	4	73	81	80	79	78	77	77	74	84	72.5
	168	74	76	75	76	76	78	79	76	85	73.5
	306	81	81	85	87	85	83	83	79	91	79.5
30-20°	4	70	80	78	79	80	79	78	75	86	74.5
	180	73	77	77	78	78	80	81	78	87	75.5
	321	77	79	80	81	82	83	84	81	90	78.5
40-30°	17	83	85	84	83	83	82	83	80	89	77.5
	195	85	85	83	80	82	84	86	82	91	79.5
	345	84	83	80	81	82	83	86	84	91	79.5
40°	5	87	87	85	85	86	86	88	85	93	81.5
	206	85	87	85	84	85	86	88	86	93	81.5
	317	88	88	86	84	84	84	86	86	92	80.5

RA-630-225-6 (1450 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

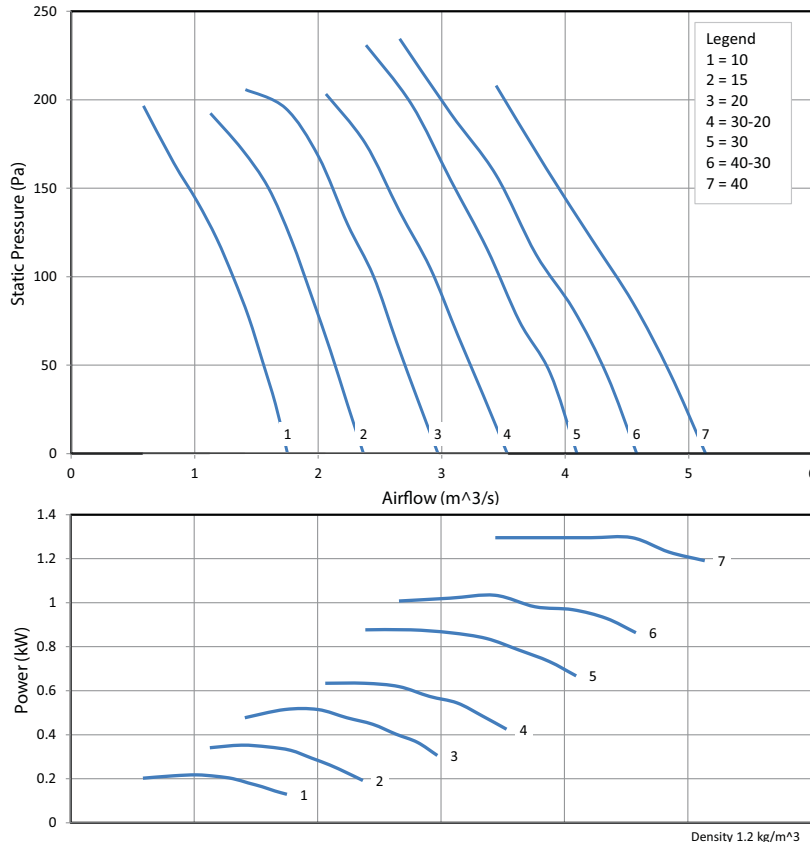


Blade Pitch	FEG
20-10	80
30-10	80
40-10	85
40-20	85
45-35	85
45-45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	2	66	76	76	78	77	76	75	72	83	71.5
	139	68	74	76	77	77	75	75	73	82	70.5
	304	78	90	85	84	80	80	81	77	88	76.5
40-10°	8	74	79	79	81	81	80	79	75	86	74.5
	226	75	78	77	80	81	78	78	76	86	74.5
	314	91	91	89	85	82	81	81	78	89	77.5
40-20°	8	76	79	80	81	81	81	79	76	87	75.5
	172	76	80	79	80	80	81	81	78	87	75.5
	306	83	81	79	80	81	83	84	80	89	77.5
45-35°	17	87	87	86	85	87	86	87	84	93	81.5
	206	83	84	82	82	84	86	87	84	92	80.5
	351	87	86	83	83	83	84	86	85	92	80.5
45°	17	84	88	88	88	89	89	90	87	96	84.5
	167	83	85	84	85	87	87	89	87	95	83.5
	262	85	88	86	87	89	88	89	88	95	83.5

RA-630-225-6 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

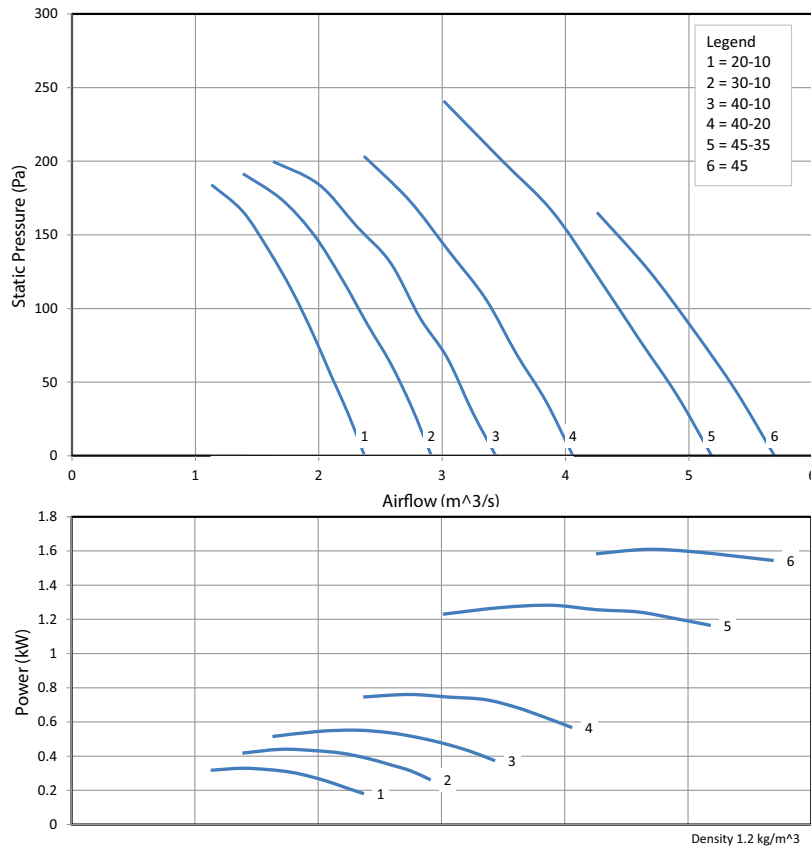


Blade Pitch	FEG
10	75
15-15	80
20-20	80
30-20	85
30-30	80
40-30	80
40-40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	1	65	74	74	72	72	71	68	66	77	65.5
	111	65	75	77	80	78	72	69	66	82	70.5
	182	77	83	79	77	74	73	72	70	81	69.5
20°	2	69	76	74	75	73	73	72	68	79	67.5
	110	69	71	69	72	72	74	75	70	80	68.5
	199	77	76	82	83	79	79	78	72	86	74.5
30-20°	2	66	75	73	75	75	75	73	69	81	69.5
	117	68	73	73	74	73	76	77	72	82	70.5
	209	72	74	75	77	77	80	79	75	85	73.5
40-30°	11	79	80	78	79	77	78	78	74	85	73.5
	127	80	80	76	77	78	81	80	76	86	74.5
	225	79	77	75	77	77	80	81	78	86	74.5
40°	4	83	81	80	81	81	83	83	78	89	77.5
	134	80	82	80	80	80	82	83	79	89	77.5
	206	83	83	80	80	78	80	82	80	87	75.5

RA-630-225-6 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

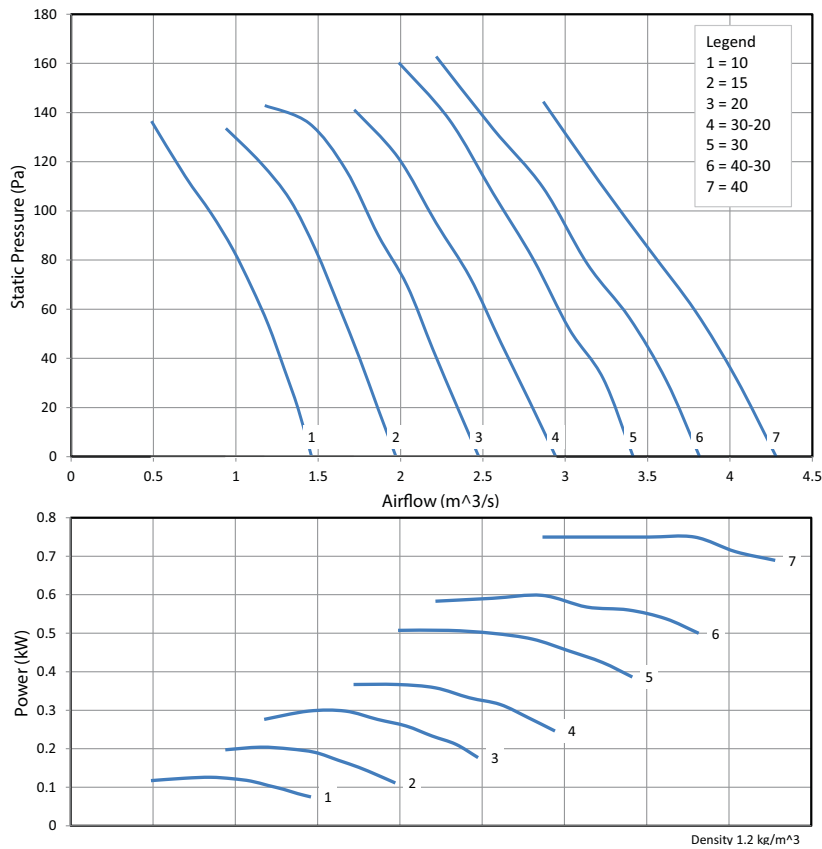


Blade Pitch	FEG
20-10	80
30-10	80
40-10	85
40-20	85
45-35	85
45-45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	2	64	71	72	73	72	71	70	66	78	66.5
	91	65	70	72	72	72	71	70	68	77	65.5
	198	77	85	80	78	76	76	75	71	83	71.5
40-10°	5	69	75	74	77	76	75	74	68	81	69.5
	147	71	73	72	77	75	73	73	70	81	69.5
	204	86	86	83	80	76	77	76	71	84	72.5
40-20°	5	71	74	75	77	76	76	74	70	82	70.5
	112	71	75	74	76	75	76	77	72	83	71.5
	199	78	76	74	77	76	79	79	74	85	73.5
45-35°	11	82	83	80	82	81	82	82	77	88	76.5
	134	79	79	76	78	79	82	82	78	88	76.5
	228	82	80	78	79	78	80	82	79	87	75.5
45°	11	80	83	83	84	84	85	85	81	91	79.5
	109	78	81	79	82	82	83	85	81	90	78.5
	170	80	83	81	84	84	83	85	82	91	79.5

RA-630-225-6 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

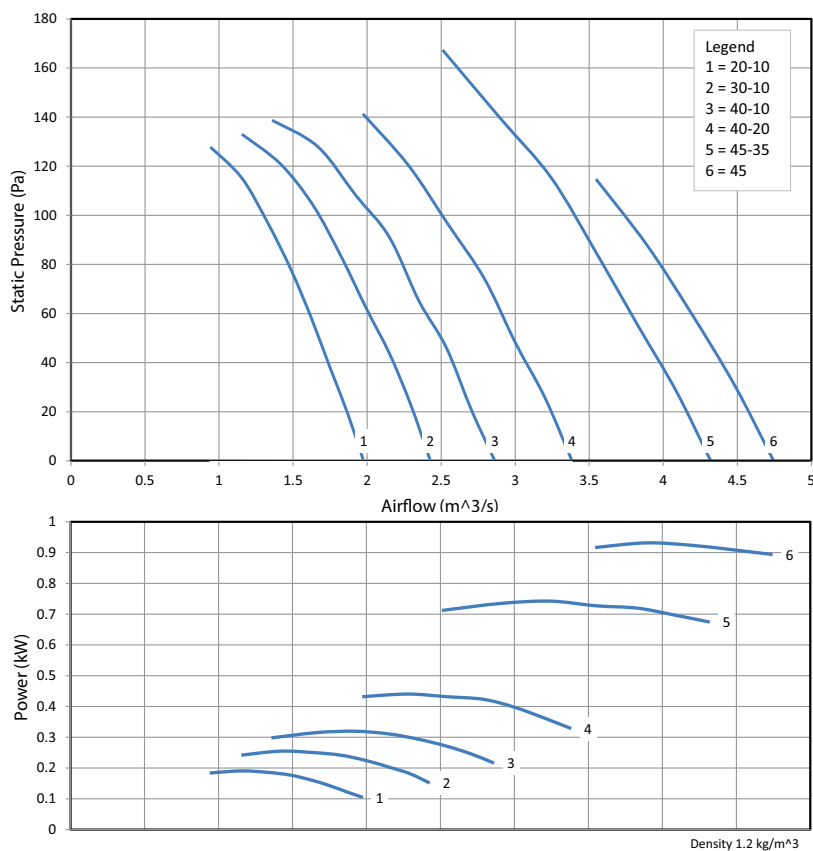


Blade Pitch	FEG
10	75
15-15	80
20-20	80
30-20	85
30-30	80
40-30	80
40-40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	1	63	72	68	68	67	66	64	61	73	61.5
	77	64	74	72	77	72	67	64	62	78	66.5
	126	77	79	75	72	69	69	68	65	76	64.5
20°	2	67	72	70	70	69	69	67	63	75	63.5
	76	66	67	66	68	68	71	69	65	76	64.5
	138	72	74	78	78	75	74	72	67	81	69.5
30-20°	2	64	71	70	71	71	70	68	64	76	64.5
	81	65	69	69	70	70	72	72	67	78	66.5
	145	69	71	72	73	73	76	74	69	81	69.5
40-30°	7	75	76	73	76	72	75	73	68	81	69.5
	88	76	76	71	73	74	78	76	71	82	70.5
	156	75	72	71	74	73	77	77	73	82	70.5
40°	2	79	77	75	77	77	80	78	73	85	73.5
	93	76	78	75	77	75	79	79	74	85	73.5
	143	79	79	75	76	74	77	79	75	84	72.5

RA-630-225-6 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

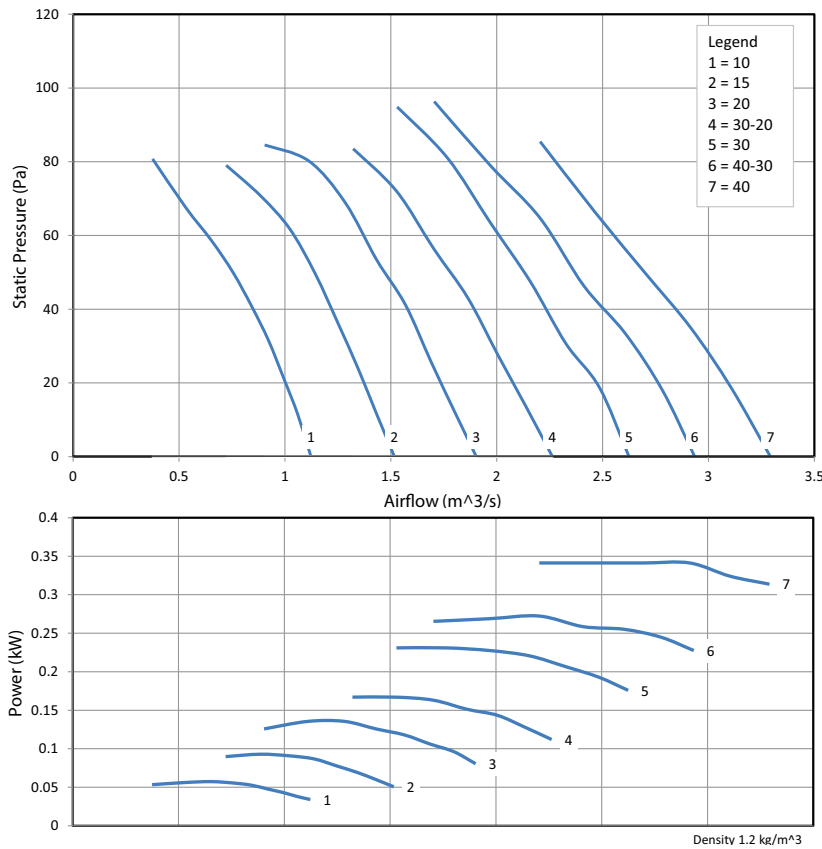


Blade Pitch	FEG
20-10	80
30-10	80
40-10	85
40-20	85
45-35	85
45-45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	1	63	67	69	69	68	67	65	61	74	62.5
	63	63	66	68	68	67	66	65	63	73	61.5
	137	76	82	76	73	72	72	70	66	78	66.5
40-10°	3	67	71	71	73	71	71	68	63	77	65.5
	102	67	69	69	73	71	69	68	65	76	64.5
	142	82	82	78	75	72	73	71	66	79	67.5
40-20°	3	68	71	72	73	72	71	69	65	78	66.5
	78	68	71	70	72	71	72	72	67	78	66.5
	138	73	72	71	73	73	75	74	68	80	68.5
45-35°	7	78	79	75	79	77	78	77	72	84	72.5
	93	75	75	71	76	75	79	78	72	84	72.5
	159	78	75	73	75	74	77	78	74	83	71.5
45°	7	76	79	79	80	80	82	81	75	87	75.5
	75	74	77	75	79	78	80	81	76	86	74.5
	118	76	79	76	81	80	79	81	77	87	75.5

RA-630-225-6 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

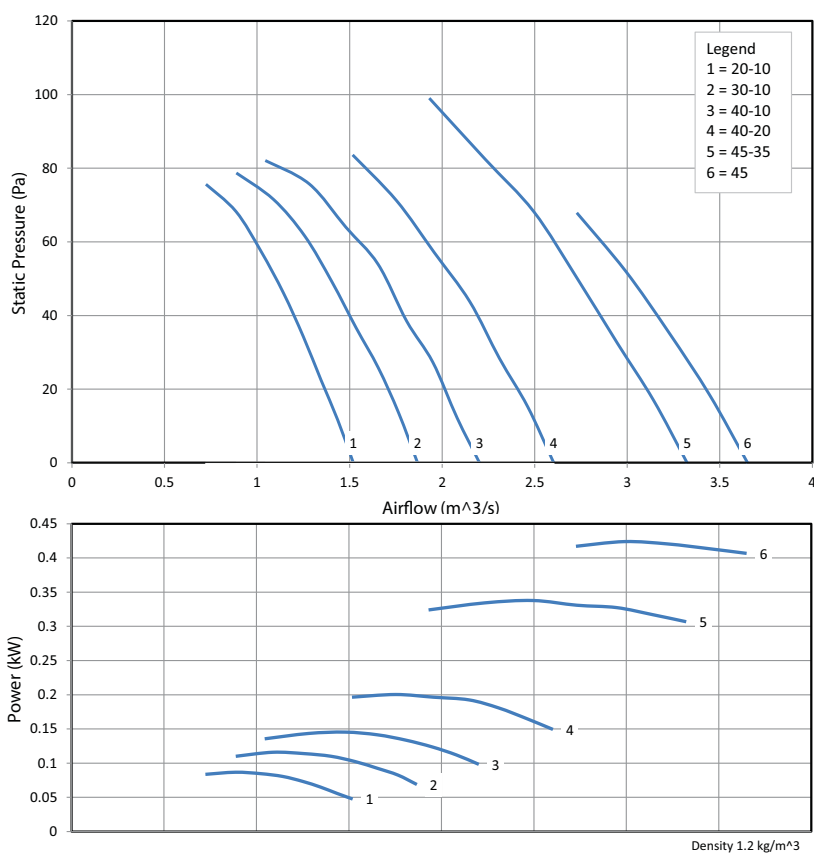


Blade Pitch	FEG
10	75
15-15	80
20-20	80
30-20	85
30-30	80
40-30	80
40-40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	0	61	66	62	62	61	60	57	54	67	55.5
	46	62	69	68	71	64	60	57	55	71	59.5
	75	73	69	69	65	63	63	61	58	70	58.5
20°	1	67	65	65	64	63	62	60	56	69	57.5
	45	62	60	62	62	64	65	62	57	70	58.5
	82	67	70	73	70	69	68	65	59	75	63.5
30-20°	1	65	64	65	65	65	64	61	57	70	58.5
	48	63	63	64	64	65	67	64	60	72	60.5
	86	65	65	67	67	69	70	67	62	75	63.5
40-30°	4	71	70	68	69	68	69	66	61	74	62.5
	52	71	69	66	68	70	71	68	63	76	64.5
	92	69	66	66	68	69	71	70	65	76	64.5
40°	1	72	71	70	71	72	73	70	65	78	66.5
	55	72	71	70	71	71	74	72	66	79	67.5
	85	73	72	69	69	69	72	72	68	78	66.5

RA-630-225-6 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

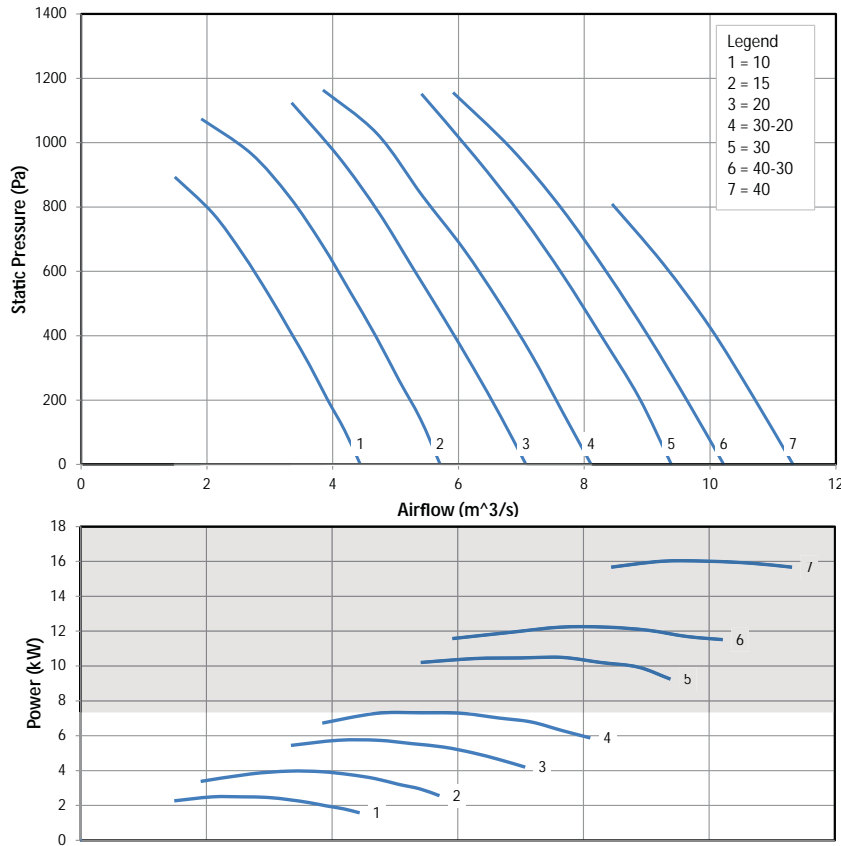


Blade Pitch	FEG
20-10	80
30-10	80
40-10	85
40-20	85
45-35	85
45-45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	1	62	61	64	63	62	61	58	54	67	55.5
	37	59	62	62	63	61	60	59	57	67	55.5
	81	76	71	70	66	66	66	63	59	72	60.5
40-10°	2	65	65	66	66	65	64	61	55	71	59.5
	60	63	63	66	66	64	63	61	59	70	58.5
	84	77	74	71	68	67	67	63	59	73	61.5
40-20°	2	65	65	67	67	66	65	62	58	71	59.5
	46	65	64	65	66	66	67	64	60	72	60.5
	82	67	65	66	67	69	69	66	60	74	62.5
45-35°	4	73	72	71	72	72	72	70	64	78	66.5
	55	70	68	67	70	71	73	70	64	78	66.5
	94	72	69	68	69	69	72	71	66	77	65.5
45°	4	73	73	74	74	75	76	73	67	81	69.5
	45	71	70	71	73	73	75	73	68	80	68.5
	70	73	72	72	75	74	74	74	70	80	68.5

RA-630-325-225-4 (2900 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Density 1.2 kg/m³



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

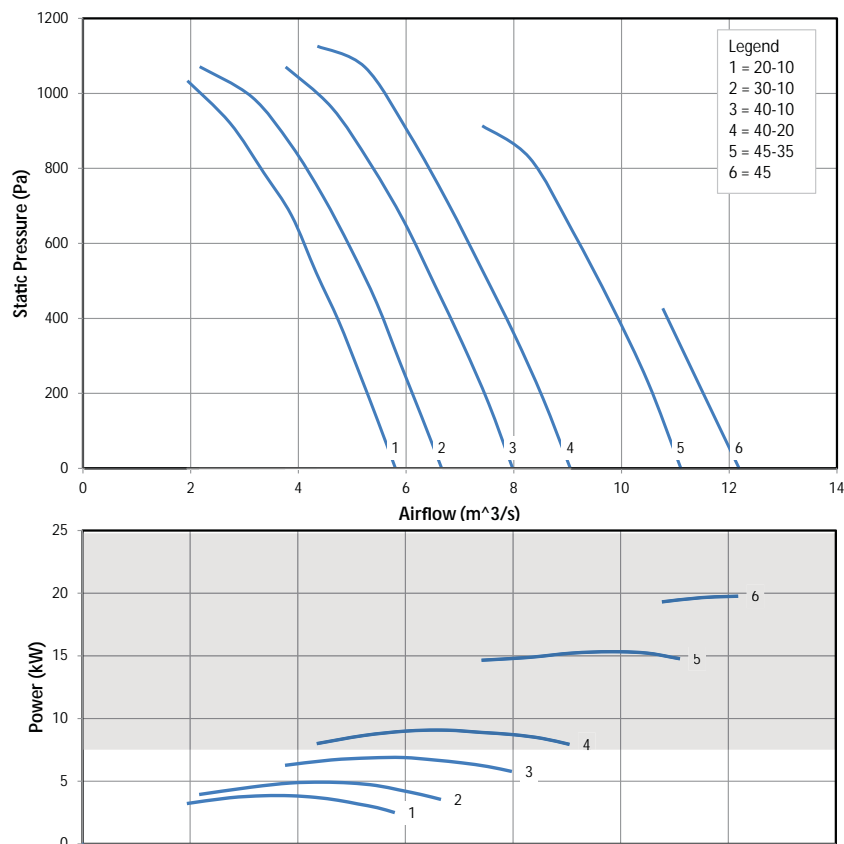


Blade Pitch	FEG
10	75
15-15	80
20-20	80
30-20	80
30-30	75
40-30	75
40-40	71

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	7	85	87	94	94	91	90	88	88	97	85.7
	488	82	84	90	93	94	91	88	88	98	86.8
	829	90	91	93	99	102	97	92	92	105	93.4
20°	12	91	93	97	96	95	91	89	89	100	88
	702	87	89	95	94	94	90	90	93	99	87.5
	1090	90	91	95	96	98	95	93	95	103	91.2
30-20°	12	94	95	99	93	95	93	92	91	100	88.9
	789	86	89	97	96	94	91	92	95	101	89
	1142	92	93	95	97	101	97	96	97	105	93.3
40-30°	30	98	98	96	95	99	97	95	98	104	92.4
	617	94	94	94	96	98	96	95	99	104	92.3
	1115	95	95	95	96	98	96	94	98	103	91.6
40°	30	101	101	101	99	98	98	99	101	106	94.8
	672	96	96	98	97	96	97	97	100	104	92.8
	794	114	114	114	102	101	100	99	98	109	97.9

RA-630-325-225-4 (2900 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

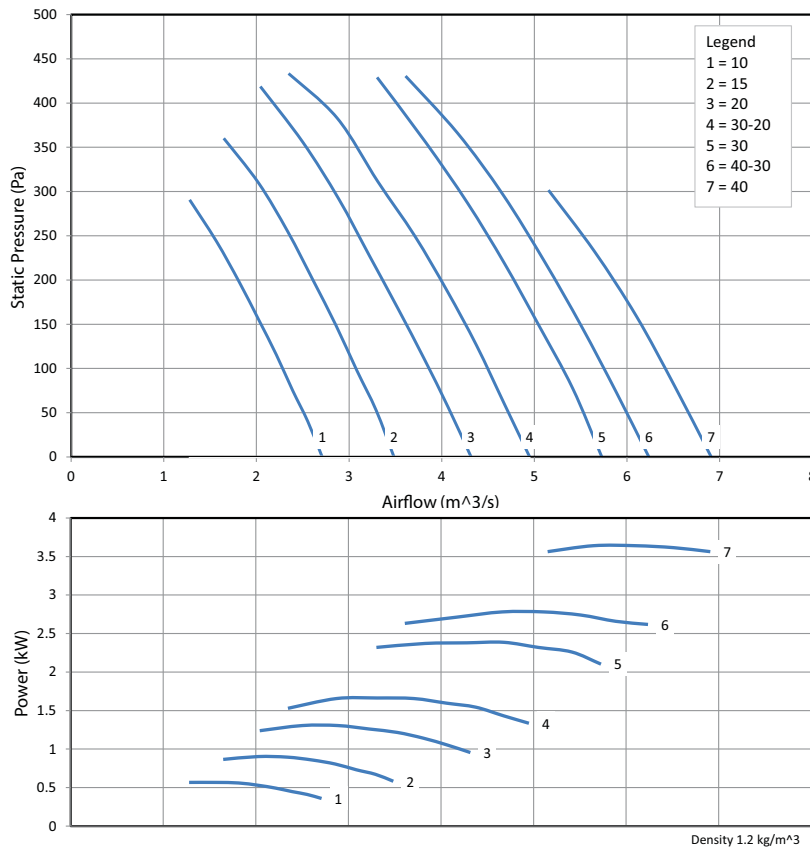


Blade Pitch	FEG
20-10	80
30-10	80
40-10	80
40-20	80
45-35	71
45-45	67

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	7	86	89	94	94	95	91	89	88	99	87.5
	421	83	86	92	91	94	90	88	88	98	86
	968	92	92	95	101	105	98	93	93	107	95.6
40-10°	20	93	94	98	94	96	94	91	90	101	89.1
	734	87	89	94	92	94	91	90	91	99	87.2
	1055	109	107	102	99	97	94	93	95	103	91.8
40-20°	30	93	93	93	95	96	94	92	92	101	89.3
	846	89	89	91	95	95	92	94	97	101	89.8
	1095	92	92	92	97	97	94	95	98	103	91.2
45-35°	30	101	101	101	99	98	98	99	100	106	94.3
	704	98	98	98	99	97	97	97	100	105	93.2
	3959	115	115	115	105	99	96	91	85	109	97.3
45°	62	101	101	101	98	99	100	100	102	107	95.4
	642	116	116	116	103	101	100	99	98	110	98.9
	3959	115	115	115	105	99	96	91	85	109	97.3

RA-630-325-225-4 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

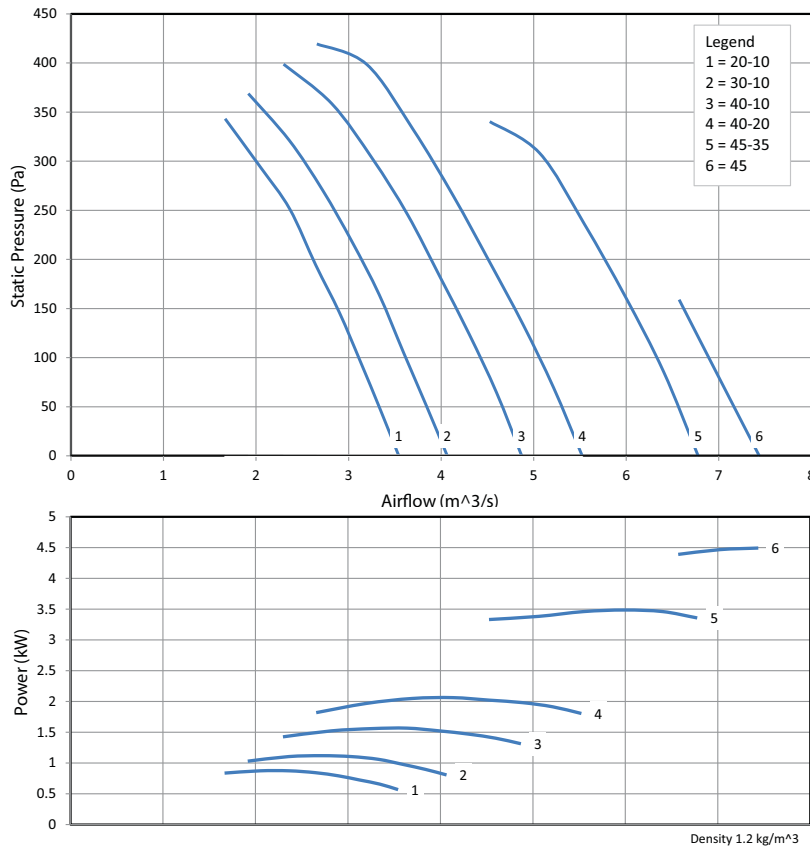


Blade Pitch	FEG
10	75
15-15	80
20-20	80
30-20	80
30-30	75
40-30	75
40-40	71

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	2	74	83	85	80	79	78	78	77	86	74.5
	182	71	78	82	83	82	78	78	77	87	75.5
	309	80	81	86	92	89	81	82	79	93	81.5
20°	5	80	87	85	84	82	78	78	78	87	75.5
	262	76	84	83	83	79	78	83	82	88	76.5
	406	79	84	84	88	85	82	85	84	92	80.5
30-20°	5	83	88	82	85	83	81	80	80	89	77.5
	202	79	86	85	85	81	80	82	82	89	77.5
	426	81	84	84	91	88	84	87	86	94	82.5
40-30°	11	87	85	84	87	86	85	86	85	93	81.5
	230	83	83	85	87	86	85	87	86	93	81.5
	416	84	85	85	86	85	83	86	87	92	80.5
40°	11	90	90	88	88	87	88	90	90	96	84.5
	251	86	86	87	86	86	86	88	89	94	82.5
	296	103	103	93	90	90	88	88	87	96	84.5

RA-630-325-225-4 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

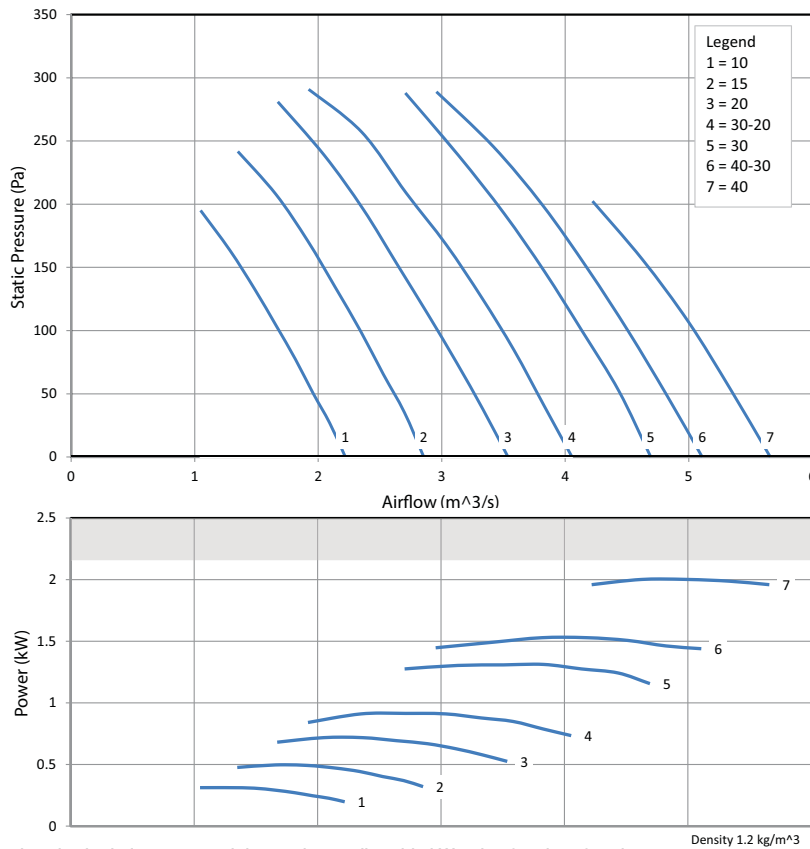


Blade Pitch	FEG
20-10	80
30-10	80
40-10	80
40-20	80
45-35	71
45-45	67

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	2	76	84	83	84	81	79	78	77	87	75.5
	157	72	83	80	83	80	77	77	77	86	74.5
	361	82	82	89	94	89	82	83	81	94	82.5
40-10°	7	82	87	82	85	84	81	79	79	89	77.5
	199	77	86	82	84	82	80	79	80	88	76.5
	394	98	92	88	88	84	82	85	83	92	80.5
40-20°	11	82	82	84	85	84	82	81	81	89	77.5
	316	78	80	83	84	82	83	85	84	91	79.5
	408	81	81	85	86	84	84	86	85	92	80.5
45-35°	11	90	90	88	88	87	88	89	89	95	83.5
	142	88	88	87	87	87	88	89	89	95	83.5
	1477	104	104	97	89	86	81	76	71	94	82.5
45°	23	91	91	88	87	89	89	90	91	97	85.5
	296	113	113	96	93	91	89	87	86	100	88.5
	1477	104	104	97	89	86	81	76	71	94	82.5

RA-630-325-225-4 (1450 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

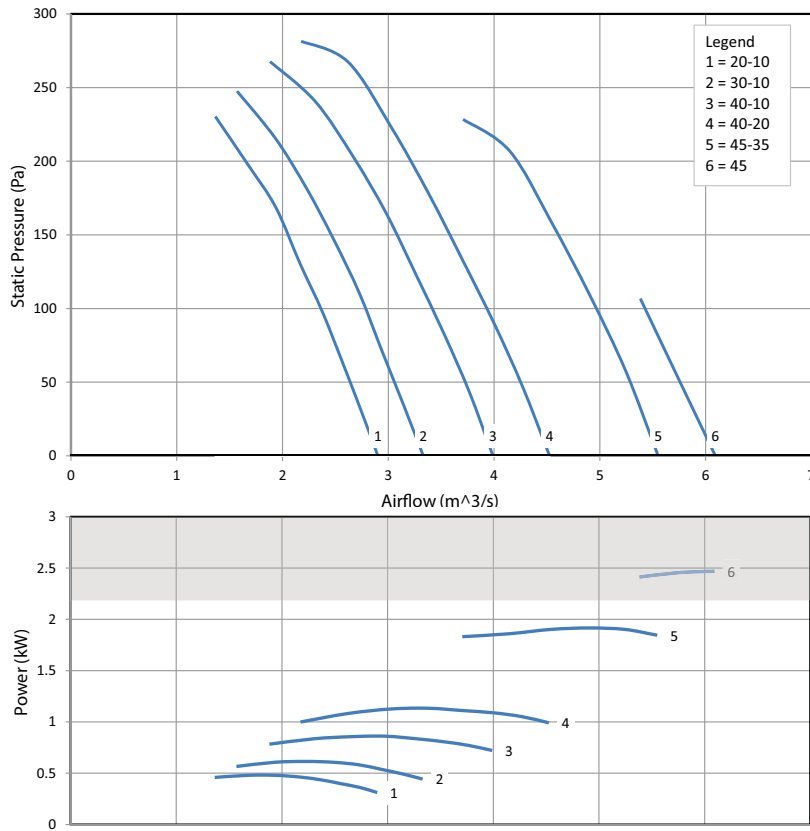


Blade Pitch	FEG
10	75
15-15	80
20-20	80
30-20	80
30-30	75
40-30	75
40-40	71

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	2	73	79	79	76	75	73	73	72	81	69.5
	122	69	75	78	79	76	73	73	73	82	70.5
	207	76	78	84	87	82	77	77	74	88	76.5
20°	3	78	82	81	80	76	74	74	74	83	71.5
	176	74	80	79	79	75	75	78	77	84	72.5
	273	76	80	80	83	80	78	80	79	87	75.5
30-20°	3	80	84	78	80	78	77	76	75	84	72.5
	136	77	82	81	80	76	76	78	77	84	72.5
	286	78	80	82	86	82	81	82	81	89	77.5
40-30°	7	83	80	80	84	81	80	83	80	89	77.5
	154	79	79	81	83	81	80	84	81	89	77.5
	279	80	80	81	83	80	78	83	82	88	76.5
40°	8	86	86	84	83	83	84	86	84	92	80.5
	168	81	83	82	81	82	82	85	84	90	78.5
	199	99	99	87	86	85	84	83	82	92	80.5

RA-630-325-225-4 (1450 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

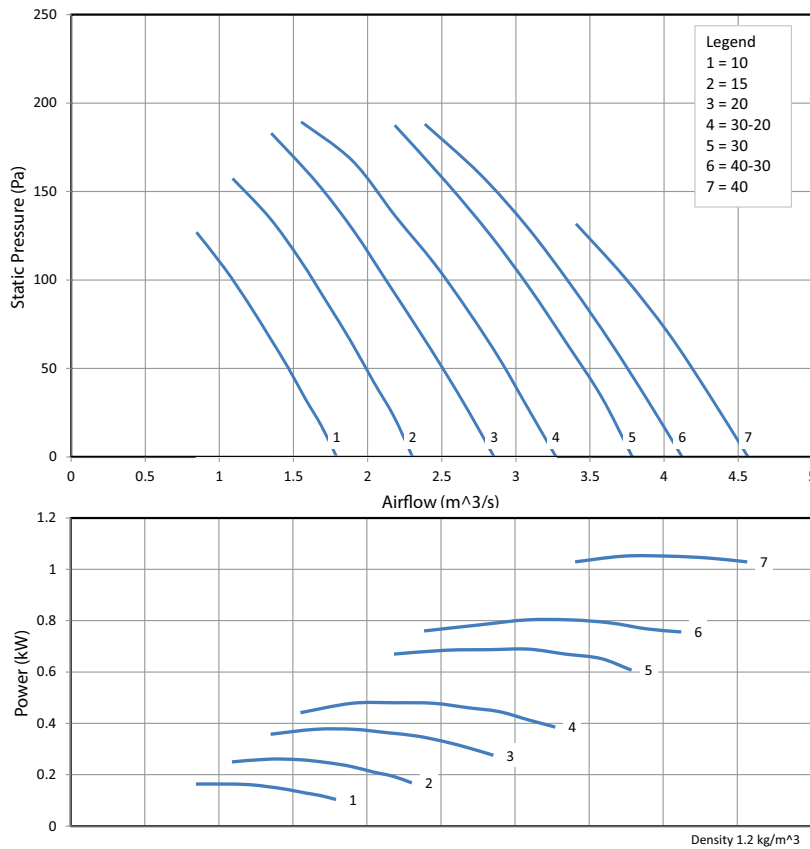


Blade Pitch	FEG
20-10	80
30-10	80
40-10	80
40-20	80
45-35	71
45-45	67

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	2	74	79	79	80	76	74	73	73	82	70.5
	105	71	77	76	79	75	73	73	73	81	69.5
	242	77	80	86	90	83	78	78	76	90	78.5
40-10°	5	79	83	79	81	79	76	75	75	84	72.5
	134	76	81	78	79	77	75	75	76	83	71.5
	264	92	87	84	82	79	78	80	78	87	75.5
40-20°	7	78	78	80	81	79	77	77	76	85	73.5
	212	74	75	80	80	77	79	82	79	87	75.5
	274	77	77	82	82	79	80	83	80	88	76.5
45-35°	8	86	86	84	83	83	84	85	83	91	79.5
	96	84	84	83	82	83	84	85	84	91	79.5
	991	100	100	89	84	81	76	70	66	88	76.5
45°	15	86	86	83	84	85	85	87	86	93	81.5
	199	108	108	90	88	86	84	82	81	95	83.5
	991	100	100	89	84	81	76	70	66	88	76.5

RA-630-325-225-4 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

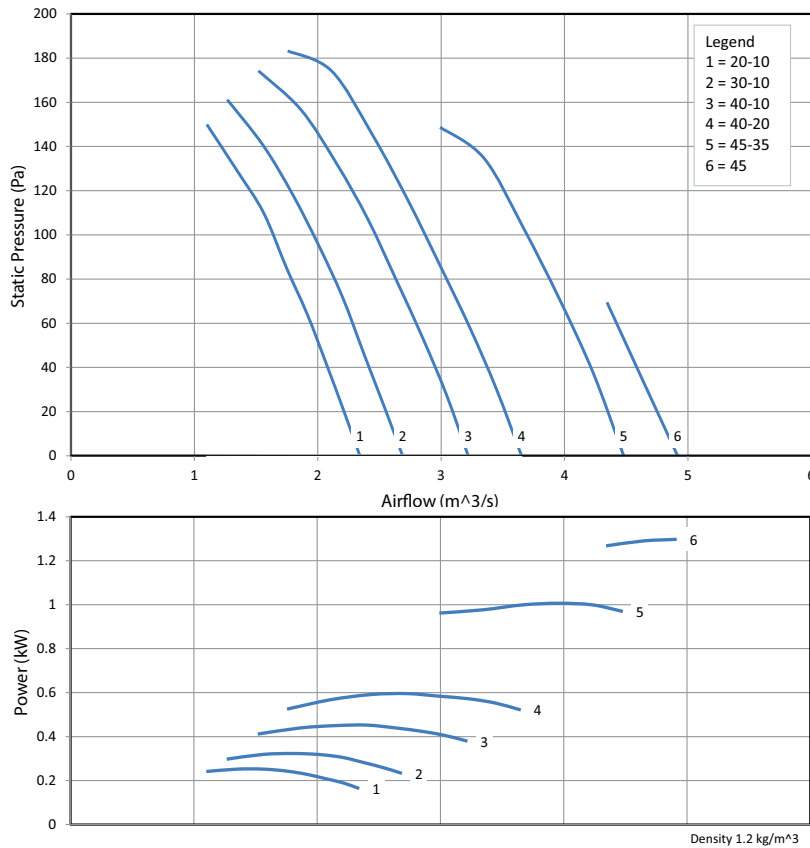


Blade Pitch	FEG
10	75
15-15	80
20-20	80
30-20	80
30-30	75
40-30	75
40-40	71

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	1	71	75	73	71	69	69	68	67	76	64.5
	79	66	71	74	74	70	69	68	68	77	65.5
	135	71	75	81	83	75	72	71	69	83	71.5
20°	2	75	77	76	75	71	69	69	70	78	66.5
	114	72	75	74	74	70	72	73	72	79	67.5
	177	73	75	77	79	74	75	75	74	82	70.5
30-20°	2	79	75	75	75	73	72	71	71	79	67.5
	88	77	76	76	74	71	72	73	72	80	68.5
	186	75	75	79	80	77	77	77	76	84	72.5
40-30°	5	77	76	76	78	76	76	77	75	84	72.5
	101	74	75	77	78	76	77	78	75	84	72.5
	182	76	76	77	77	75	75	78	77	84	72.5
40°	5	81	78	80	78	79	80	82	79	87	75.5
	110	77	79	77	76	78	77	81	79	86	74.5
	130	94	85	81	81	80	79	79	76	86	74.5

RA-630-325-225-4 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

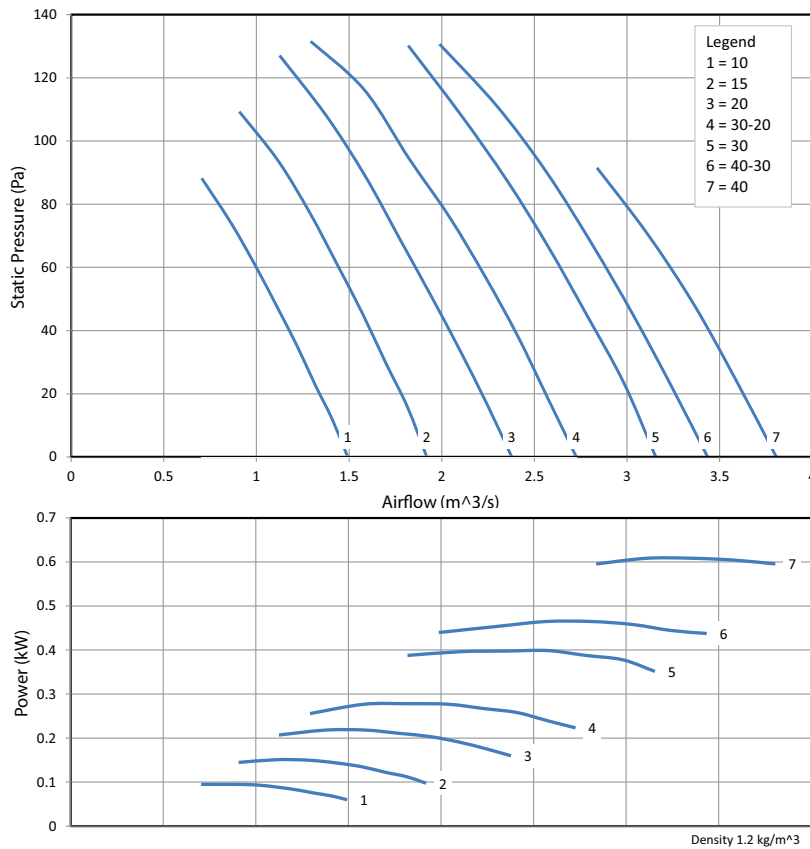


Blade Pitch	FEG
20-10	80
30-10	80
40-10	80
40-20	80
45-35	71
45-45	67

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	1	71	74	75	75	71	69	69	68	78	66.5
	68	69	72	73	74	69	68	68	68	77	65.5
	158	73	77	83	85	76	74	73	71	85	73.5
40-10°	3	78	75	75	76	73	71	70	70	79	67.5
	87	77	74	74	74	72	71	71	72	79	67.5
	172	85	80	79	77	74	75	75	73	82	70.5
40-20°	5	73	74	76	76	73	72	72	71	80	68.5
	138	71	72	75	74	73	75	76	74	82	70.5
	178	72	74	77	76	74	76	77	75	83	71.5
45-35°	5	81	79	79	78	78	80	81	78	86	74.5
	62	79	78	79	77	78	79	82	78	86	74.5
	645	95	92	81	79	74	69	63	60	82	70.5
45°	10	82	80	78	79	80	80	84	80	88	76.5
	130	104	89	84	83	81	78	77	75	87	75.5
	645	95	92	81	79	74	69	63	60	82	70.5

RA-630-325-225-4 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

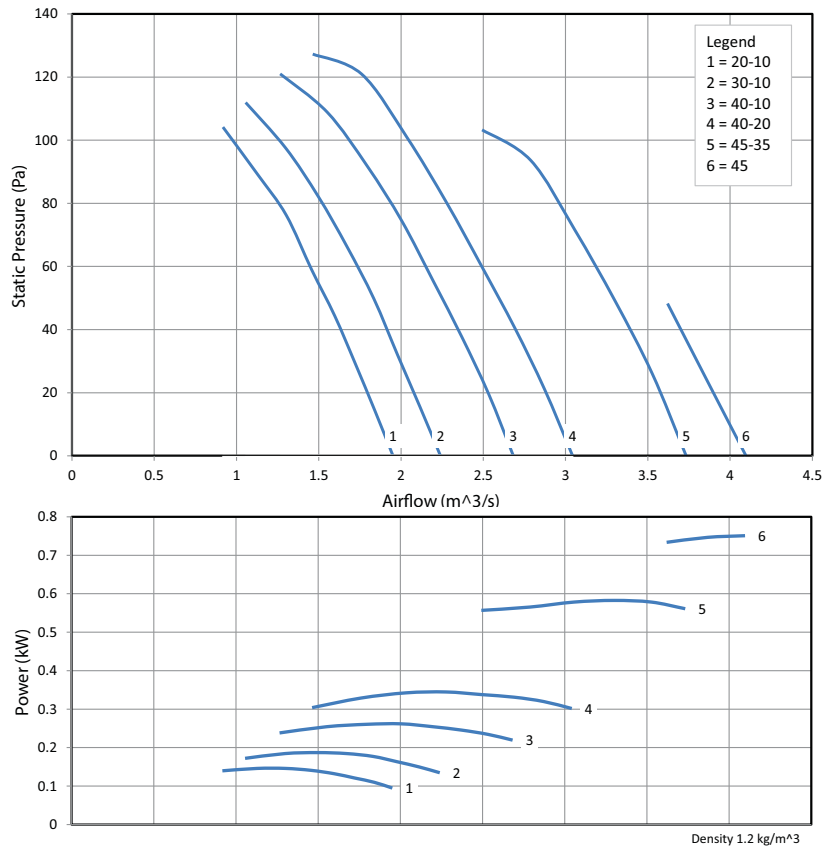


Blade Pitch	FEG
10	75
15-15	80
20-20	80
30-20	80
30-30	75
40-30	75
40-40	71

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	1	69	71	68	67	65	65	64	63	72	60.5
	55	64	69	70	69	65	65	64	64	73	61.5
	94	68	73	79	76	69	69	67	65	77	65.5
20°	1	73	72	71	69	66	65	65	66	73	61.5
	79	70	70	70	67	65	69	69	68	75	63.5
	123	71	71	75	73	69	72	71	70	78	66.5
30-20°	1	75	70	72	70	68	67	67	67	75	63.5
	61	73	72	72	69	67	69	69	68	76	64.5
	129	71	71	77	75	72	74	73	72	80	68.5
40-30°	3	73	71	74	74	72	73	73	70	80	68.5
	70	70	71	74	73	72	74	73	71	80	68.5
	126	72	72	73	73	71	72	74	73	80	68.5
40°	3	77	75	76	74	75	77	77	74	83	71.5
	76	73	74	73	73	73	74	77	74	82	70.5
	90	90	80	77	77	76	75	74	72	82	70.5

RA-630-325-225-4 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

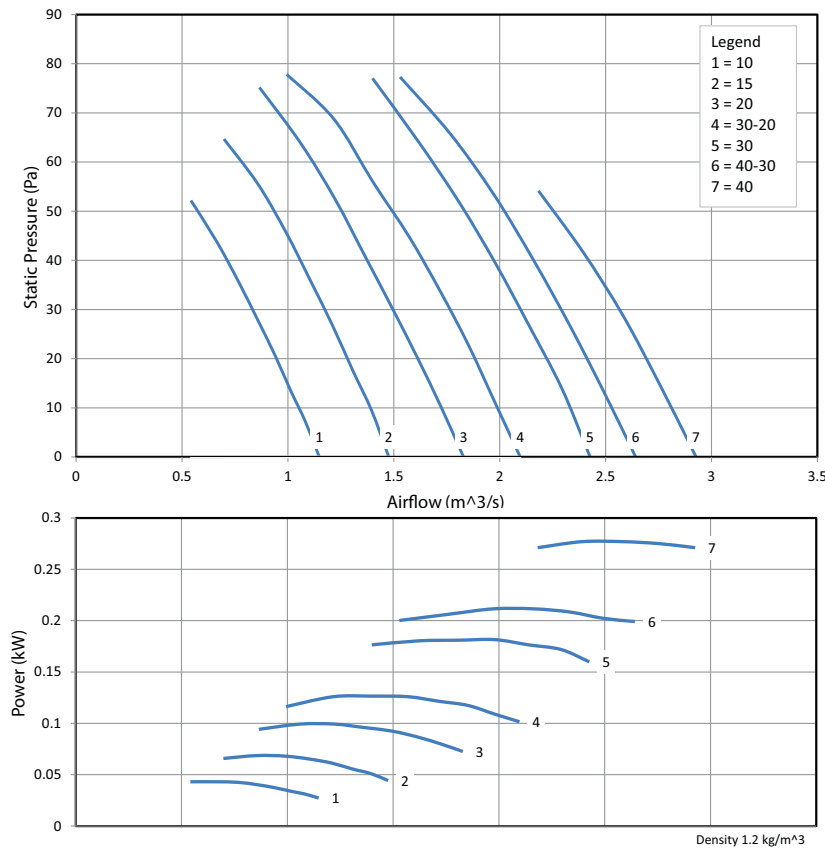


Blade Pitch	FEG
20-10	80
30-10	80
40-10	80
40-20	80
45-35	71
45-45	67

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	1	70	70	71	69	66	65	64	64	73	61.5
	48	68	67	70	67	65	64	64	64	72	60.5
	110	69	75	81	77	70	70	68	66	79	67.5
40-10°	2	74	70	72	72	68	67	66	66	75	63.5
	61	73	69	71	69	67	66	67	68	75	63.5
	119	79	76	75	72	69	72	70	68	78	66.5
40-20°	3	69	70	72	71	69	68	68	67	76	64.5
	96	67	70	72	70	69	72	72	69	78	66.5
	124	68	71	73	71	71	73	73	70	79	67.5
45-35°	3	77	75	75	74	75	76	76	73	82	70.5
	43	75	74	75	73	75	76	77	73	82	70.5
	448	91	85	77	74	69	64	59	56	76	64.5
45°	7	78	75	74	76	76	77	79	76	84	72.5
	90	100	84	80	79	76	74	73	71	83	71.5
	448	91	85	77	74	69	64	59	56	76	64.5

RA-630-325-225-4 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

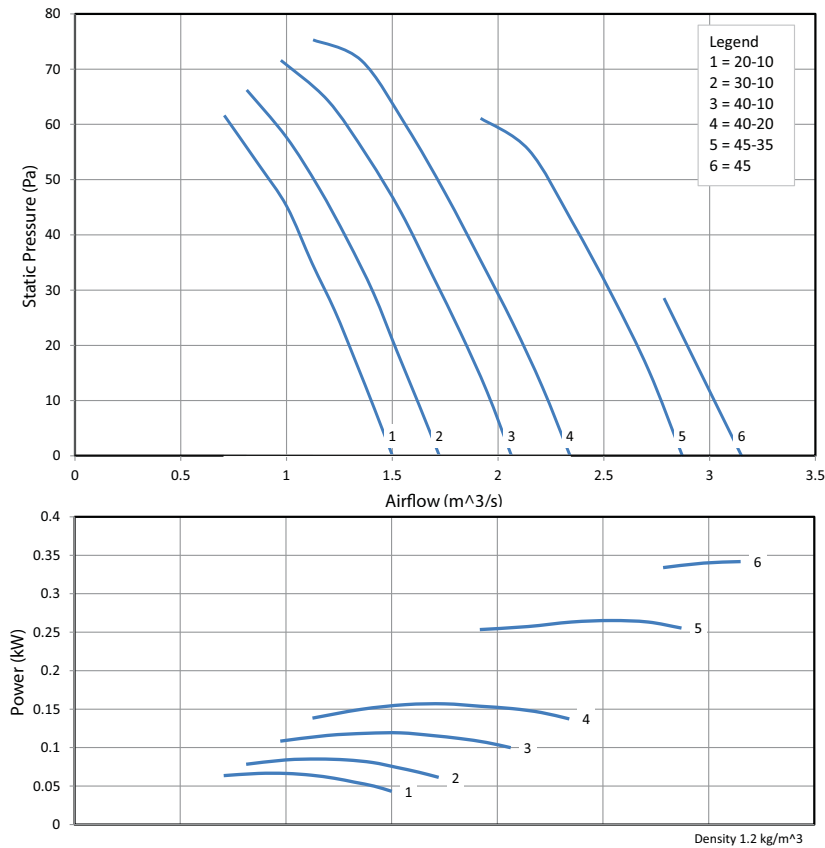


Blade Pitch	FEG
10	75
15-15	80
20-20	80
30-20	80
30-30	75
40-30	75
40-40	71

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	1	69	71	68	67	65	65	64	63	72	60.5
	55	64	69	70	69	65	65	64	64	73	61.5
	94	68	73	79	76	69	69	67	65	77	65.5
20°	1	73	72	71	69	66	65	65	66	73	61.5
	79	70	70	70	67	65	69	69	68	75	63.5
	123	71	71	75	73	69	72	71	70	78	66.5
30-20°	1	75	70	72	70	68	67	67	67	75	63.5
	61	73	72	72	69	67	69	69	68	76	64.5
	129	71	71	77	75	72	74	73	72	80	68.5
40-30°	3	73	71	74	74	72	73	73	70	80	68.5
	70	70	71	74	73	72	74	73	71	80	68.5
	126	72	72	73	73	71	72	74	73	80	68.5
40°	3	77	75	76	74	75	77	77	74	83	71.5
	76	73	74	73	73	73	74	77	74	82	70.5
	90	90	80	77	77	76	75	74	72	82	70.5

RA-630-325-225-4 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

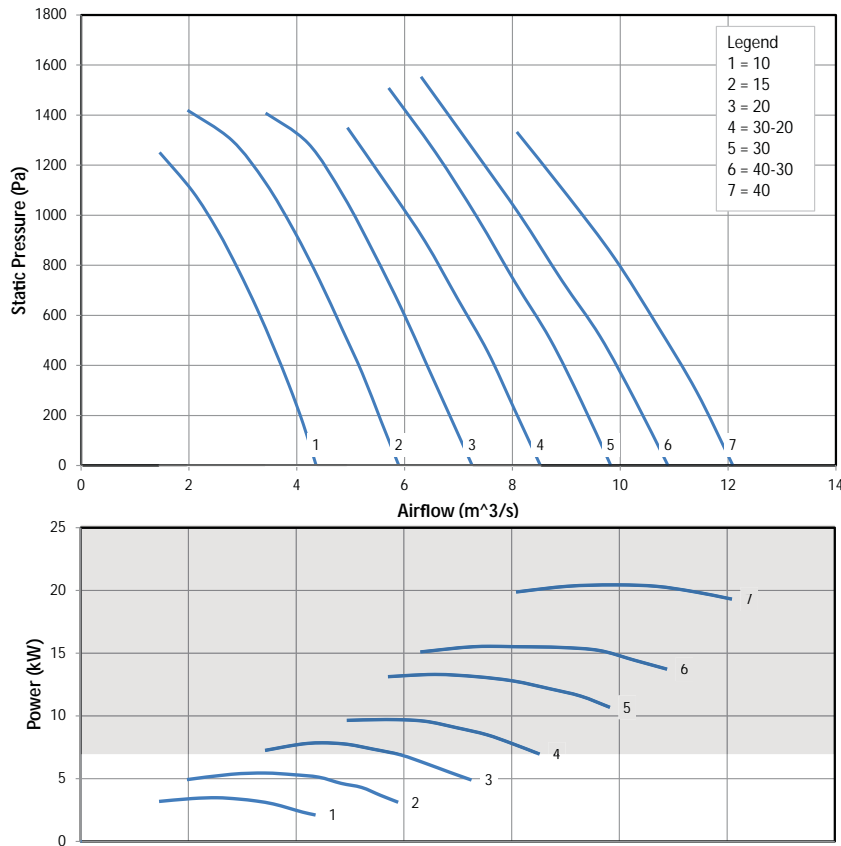


Blade Pitch	FEG
20-10	80
30-10	80
40-10	80
40-20	80
45-35	71
45-45	67

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	1	70	70	71	69	66	65	64	64	73	61.5
	48	68	67	70	67	65	64	64	64	72	60.5
	110	69	75	81	77	70	70	68	66	79	67.5
40-10°	2	74	70	72	72	68	67	66	66	75	63.5
	61	73	69	71	69	67	66	67	68	75	63.5
	119	79	76	75	72	69	72	70	68	78	66.5
40-20°	3	69	70	72	71	69	68	68	67	76	64.5
	96	67	70	72	70	69	72	72	69	78	66.5
	124	68	71	73	71	71	73	73	70	79	67.5
45-35°	3	77	75	75	74	75	76	76	73	82	70.5
	43	75	74	75	73	75	76	77	73	82	70.5
	448	91	85	77	74	69	64	59	56	76	64.5
45°	7	78	75	74	76	76	77	79	76	84	72.5
	90	100	84	80	79	76	74	73	71	83	71.5
	448	91	85	77	74	69	64	59	56	76	64.5

RA-630-325-225-6 (2900 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

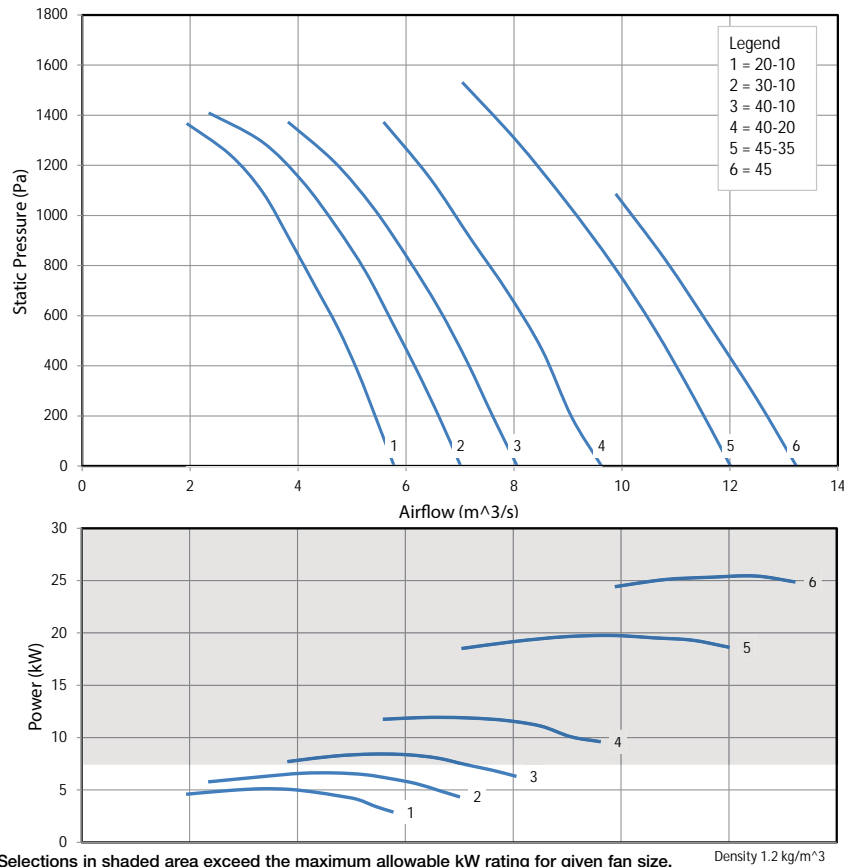


Blade Pitch	FEG
10	75
15-15	80
20-20	80
30-20	80
30-30	80
40-30	80
40-40	75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	7	83	84	88	92	92	92	91	90	99	87
	709	81	83	87	93	99	100	93	89	104	92.2
	1189	89	92	100	99	99	95	92	92	103	91.7
20°	12	85	88	95	97	94	94	91	91	100	88.9
	694	83	85	91	93	93	92	91	93	99	87.8
	1364	92	93	96	101	105	101	97	97	108	96.5
30-20°	20	88	90	94	96	96	95	93	92	101	89.9
	714	84	86	91	94	95	94	92	94	101	89.1
	1389	92	92	94	100	104	101	98	98	107	95.9
40-30°	30	95	95	99	95	104	98	95	97	107	95
	776	91	91	100	97	105	97	98	100	108	96.2
	1503	91	91	98	96	105	96	97	101	108	96
40°	45	96	96	101	99	99	100	101	101	107	95.6
	856	94	94	96	98	98	99	100	102	107	95.2
	1284	94	94	94	99	98	97	98	101	106	94

RA-630-325-225-6 (2900 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

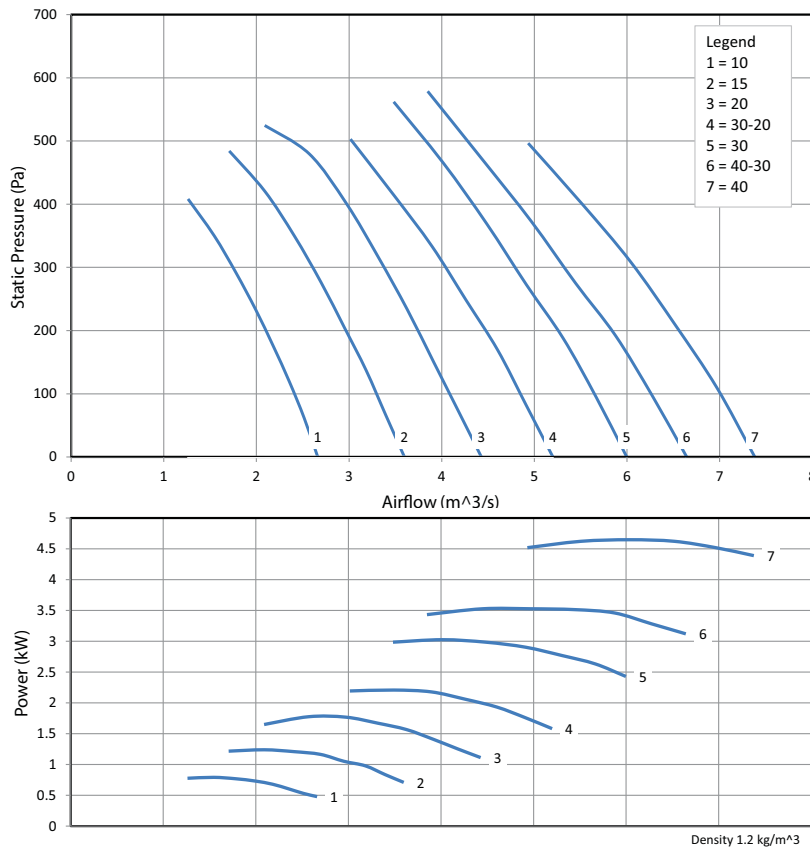


Blade Pitch	FEG
20-10	80
30-10	80
40-10	80
40-20	80
45-35	75
45-45	71

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	12	83	84	89	93	93	93	91	90	99	87.4
	821	84	85	90	95	98	98	93	91	103	91.6
	1296	92	95	103	99	99	95	94	95	104	92.4
40-10°	12	89	90	93	96	97	97	94	92	103	91
	687	86	87	90	94	95	95	92	91	101	89.2
	1324	97	98	100	103	104	99	95	95	107	95.5
40-20°	30	93	93	99	95	97	96	94	93	103	91
	727	90	90	99	94	96	95	93	95	102	90.2
	1324	90	90	98	97	98	97	97	98	104	92.9
45-35°	30	97	97	101	100	99	99	100	101	107	95.1
	856	95	95	96	98	98	99	100	102	107	95.1
	1468	95	95	99	100	98	98	99	101	106	94.5
45°	30	97	97	99	102	102	102	103	104	109	97.8
	886	95	95	95	100	100	100	101	103	108	96.3
	3959	115	115	113	105	99	96	91	85	108	96.4

RA-630-325-225-6 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

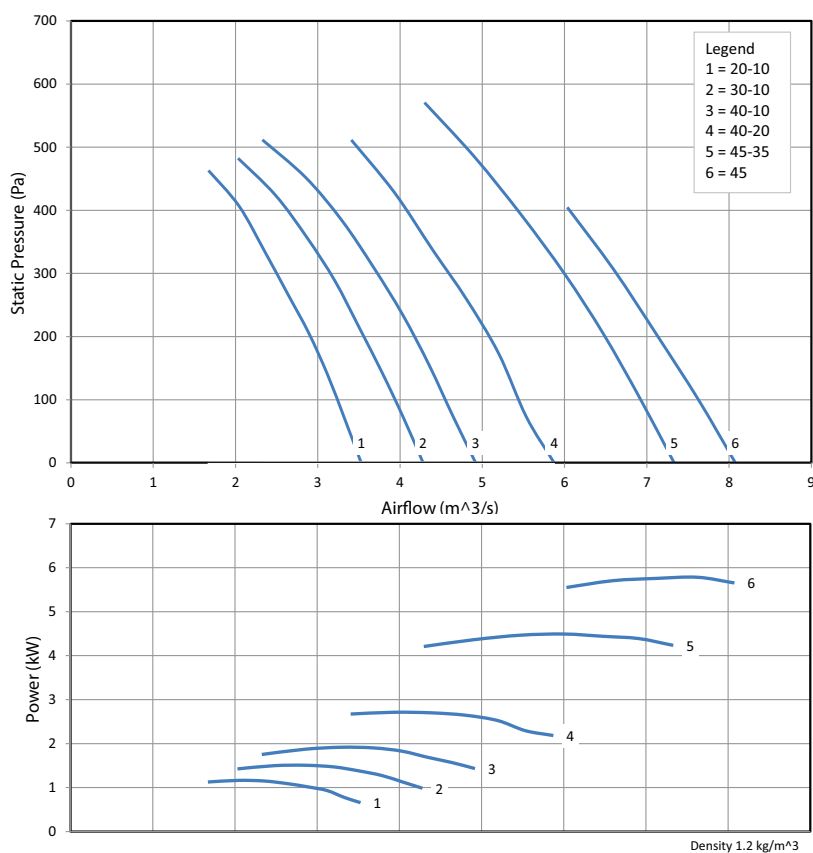


Blade Pitch	FEG
10	75
15-15	80
20-20	80
30-20	80
30-30	80
40-30	80
40-40	75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	2	72	76	82	82	82	80	79	78	87	75.5
	264	70	75	80	87	91	84	79	77	93	81.5
	443	78	90	88	89	86	81	82	80	91	79.5
20°	5	75	83	87	83	84	81	80	80	89	77.5
	259	72	79	83	83	82	80	82	81	89	77.5
	508	81	84	89	95	92	86	87	84	97	85.5
30-20°	7	78	82	85	85	85	83	81	81	90	78.5
	267	73	80	83	84	84	81	84	82	90	78.5
	518	81	81	88	94	91	86	88	86	96	84.5
40-30°	11	84	88	86	91	89	85	85	85	94	82.5
	289	80	89	87	92	89	87	88	87	95	83.5
	560	80	87	86	92	88	86	89	88	95	83.5
40°	17	85	90	89	88	89	90	91	90	97	85.5
	319	83	85	86	88	88	89	91	91	97	85.5
	479	83	84	86	88	87	87	89	91	95	83.5

RA-630-325-225-6 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).



Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

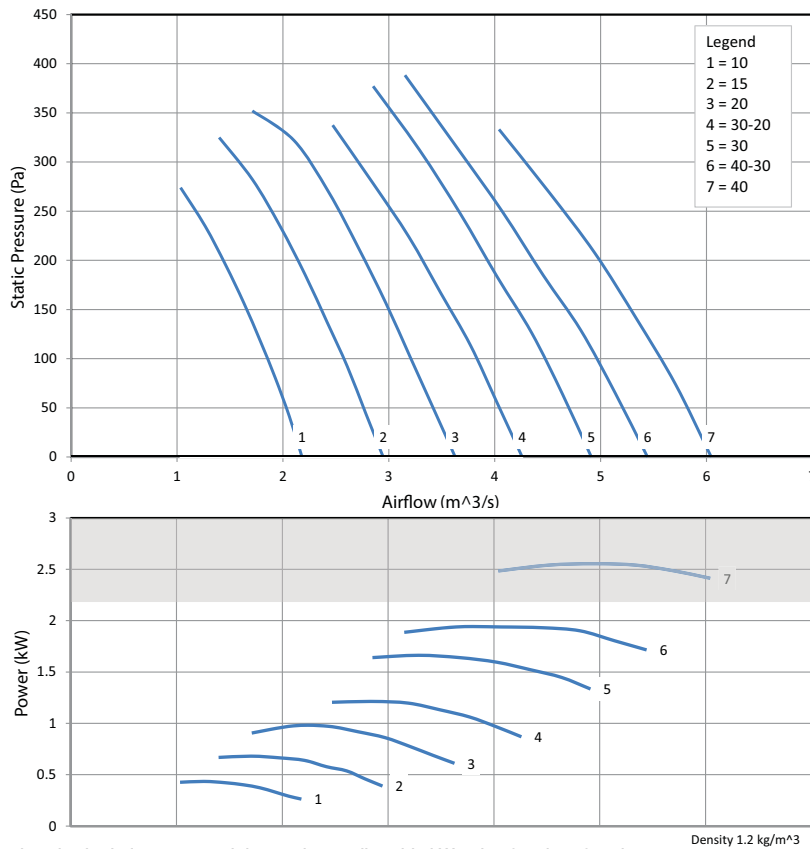


Blade Pitch	FEG
20-10	80
30-10	80
40-10	80
40-20	80
45-35	75
45-45	71

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	5	72	77	82	82	83	80	80	79	88	76.5
	306	73	78	83	87	89	83	80	80	92	80.5
	483	81	93	88	89	85	82	85	83	92	80.5
40-10°	5	78	82	85	86	87	83	82	79	91	79.5
	257	75	79	82	84	85	82	80	81	90	78.5
	493	86	89	92	94	89	84	85	82	95	83.5
40-20°	11	82	88	85	85	86	84	83	82	91	79.5
	271	80	88	85	84	84	83	84	84	91	79.5
	494	79	87	86	87	86	86	87	86	94	82.5
45-35°	11	86	90	90	88	88	89	90	89	96	84.5
	319	84	86	87	88	88	89	91	90	96	84.5
	547	84	88	89	88	87	88	90	90	96	84.5
45°	11	86	88	90	92	91	92	93	92	99	87.5
	382	86	85	87	90	89	89	91	92	97	85.5
	1477	104	103	97	89	86	81	76	71	94	82.5

RA-630-325-225-6 (1450 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

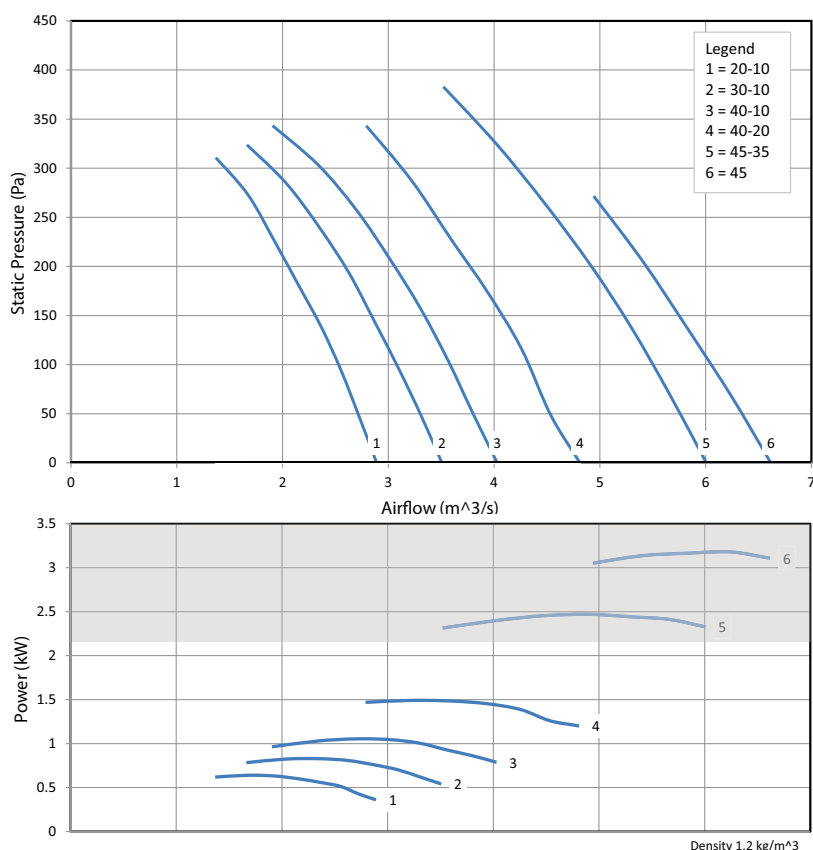


Blade Pitch	FEG
10	75
15-15	80
20-20	80
30-20	80
30-30	80
40-30	80
40-40	75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	2	69	73	77	77	77	76	74	73	83	71.5
	177	68	72	78	84	85	78	74	73	87	75.5
	298	77	85	84	84	80	77	77	75	86	74.5
20°	3	73	80	82	79	79	76	76	76	84	72.5
	174	70	76	78	78	77	76	78	77	84	72.5
	341	78	81	86	90	86	82	82	79	91	79.5
30-20°	5	75	79	81	81	80	78	77	76	85	73.5
	179	71	76	79	80	79	77	79	78	85	73.5
	348	77	79	85	89	86	82	83	81	91	79.5
40-30°	7	80	84	80	89	83	80	82	80	90	78.5
	194	76	85	82	90	82	83	85	81	92	80.5
	376	76	83	81	90	81	82	86	83	92	80.5
40°	11	81	86	84	84	85	86	86	85	92	80.5
	214	79	81	83	83	84	85	87	86	92	80.5
	321	79	79	84	83	82	83	86	86	91	79.5

RA-630-325-225-6 (1450 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

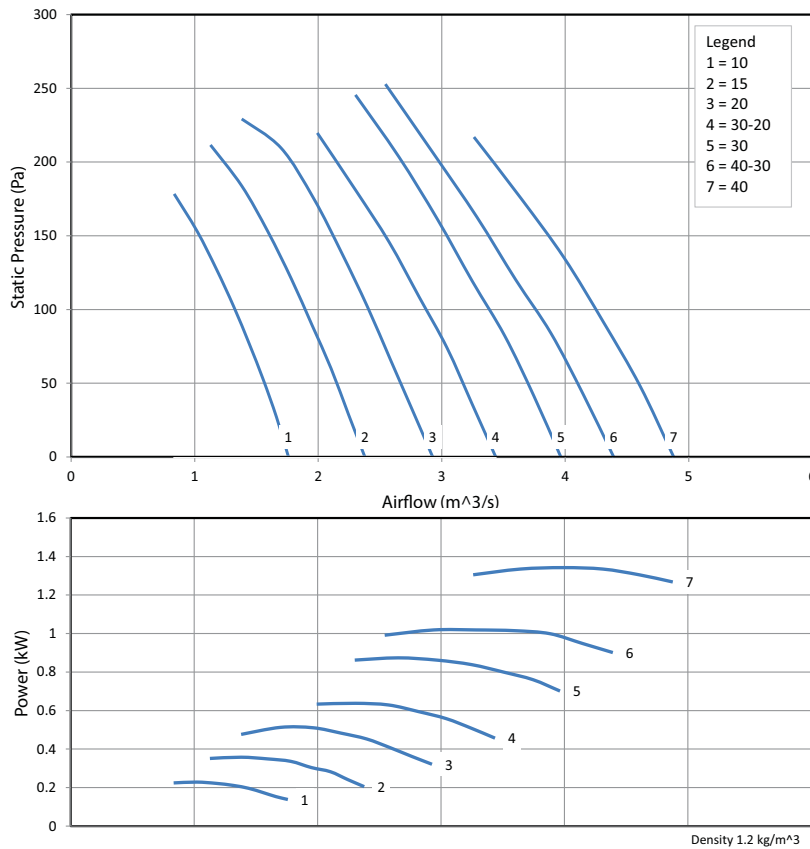


Blade Pitch	FEG
20-10	80
30-10	80
40-10	80
40-20	80
45-35	75
45-45	71

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	3	69	74	78	78	78	76	75	74	83	71.5
	205	70	75	80	83	83	78	76	75	87	75.5
	324	80	88	84	84	80	79	80	78	87	75.5
40-10°	3	75	78	81	82	82	79	77	74	86	74.5
	172	72	75	79	80	80	77	76	76	85	73.5
	331	83	85	88	89	84	80	80	77	90	78.5
40-20°	7	78	84	79	82	81	79	78	78	87	75.5
	182	75	83	79	80	80	78	80	79	86	74.5
	331	75	83	82	83	81	82	83	80	89	77.5
45-35°	8	82	86	85	84	84	85	86	84	92	80.5
	214	80	81	83	83	84	85	87	85	92	80.5
	367	80	84	85	83	83	84	86	85	92	80.5
45°	8	82	84	87	87	87	88	89	87	95	83.5
	256	81	80	85	85	85	85	88	87	93	81.5
	991	100	98	89	84	81	76	70	66	88	76.5

RA-630-325-225-6 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

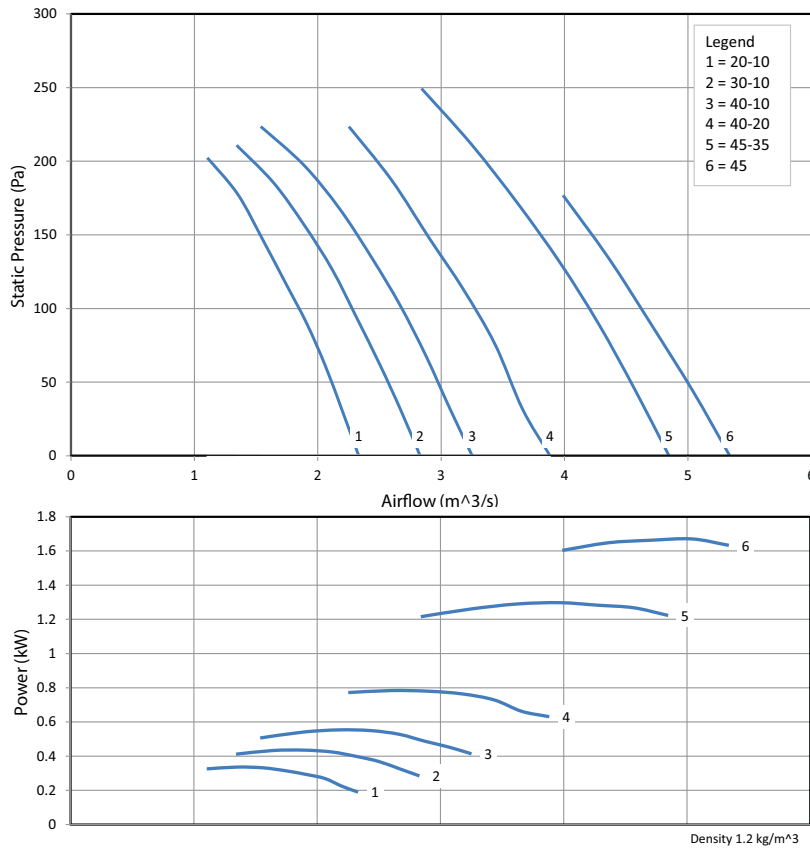


Blade Pitch	FEG
10	75
15-15	80
20-20	80
30-20	80
30-30	80
40-30	80
40-40	75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	1	66	70	73	73	72	71	69	68	78	66.5
	115	64	69	75	80	78	72	69	68	82	70.5
	194	76	81	80	78	74	73	72	70	81	69.5
20°	2	71	77	76	74	73	72	71	71	79	67.5
	113	67	72	74	73	72	72	73	72	79	67.5
	222	74	78	83	84	79	78	76	74	86	74.5
30-20°	3	71	75	76	76	75	73	72	71	80	68.5
	117	68	72	75	75	73	74	74	73	81	69.5
	226	72	76	82	83	79	78	78	76	86	74.5
40-30°	5	76	79	78	83	77	76	76	75	84	72.5
	127	74	80	80	83	78	79	79	76	86	74.5
	245	73	78	79	83	77	79	80	78	86	74.5
40°	7	76	81	79	79	80	82	82	79	88	76.5
	139	74	76	79	78	80	81	83	80	88	76.5
	209	74	75	81	77	78	79	82	80	87	75.5

RA-630-325-225-6 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

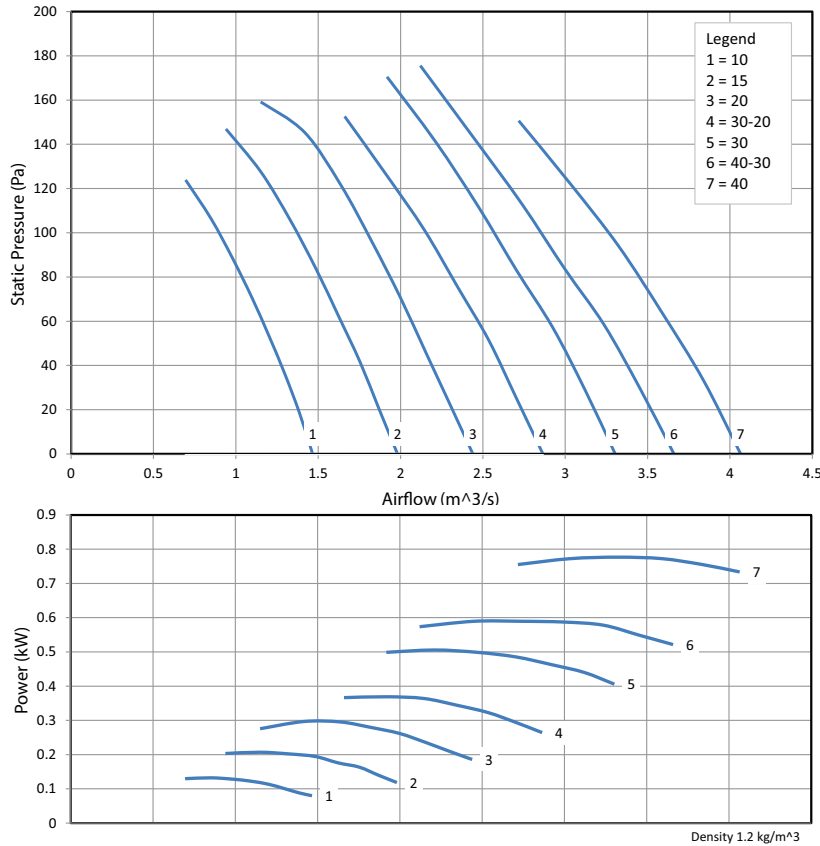


Blade Pitch	FEG
20-10	80
30-10	80
40-10	80
40-20	80
45-35	75
45-45	71

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	2	66	71	73	73	72	71	70	70	78	66.5
	134	67	72	76	79	77	72	71	71	81	69.5
	211	79	84	80	78	75	75	75	73	82	70.5
40-10°	2	71	75	77	78	76	73	71	69	81	69.5
	112	68	72	75	76	74	72	71	72	80	68.5
	215	79	82	84	82	77	75	74	72	84	72.5
40-20°	5	75	79	75	77	76	74	73	73	82	70.5
	118	73	79	75	76	75	74	75	74	82	70.5
	216	73	78	77	78	77	78	78	75	84	72.5
45-35°	5	77	81	79	79	80	80	81	78	87	75.5
	139	75	77	79	78	79	81	83	79	88	76.5
	239	75	79	80	77	78	80	82	80	87	75.5
45°	5	77	79	84	81	82	83	85	81	90	78.5
	167	77	75	83	79	80	80	84	81	89	77.5
	645	95	92	81	79	74	69	63	60	82	70.5

RA-630-325-225-6 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

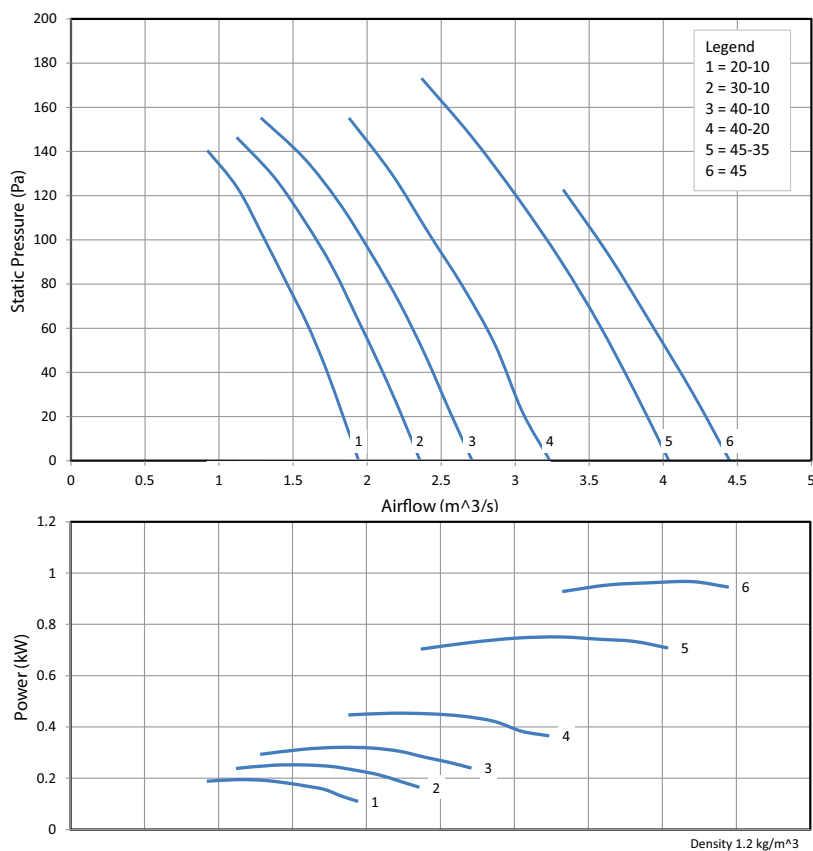


Blade Pitch	FEG
10	75
15-15	80
20-20	80
30-20	80
30-30	80
40-30	80
40-40	75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	1	63	68	69	69	68	66	65	63	73	61.5
	80	62	66	73	77	72	66	65	63	77	65.5
	135	75	77	76	73	69	69	67	65	77	65.5
20°	1	69	74	71	71	68	67	67	67	75	63.5
	79	65	69	70	69	67	69	68	67	75	63.5
	154	70	75	81	79	74	74	72	69	81	69.5
30-20°	2	68	72	72	72	70	68	68	67	76	64.5
	81	66	69	71	71	68	70	70	69	77	65.5
	157	68	74	80	79	74	75	73	71	82	70.5
40-30°	3	74	75	77	77	72	72	72	70	80	68.5
	88	72	76	78	77	74	75	74	71	82	70.5
	170	71	74	78	76	73	76	76	73	82	70.5
40°	5	74	77	75	76	77	78	77	74	84	72.5
	97	71	73	75	75	76	78	78	75	84	72.5
	145	70	72	76	74	74	76	78	76	83	71.5

RA-630-325-225-6 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

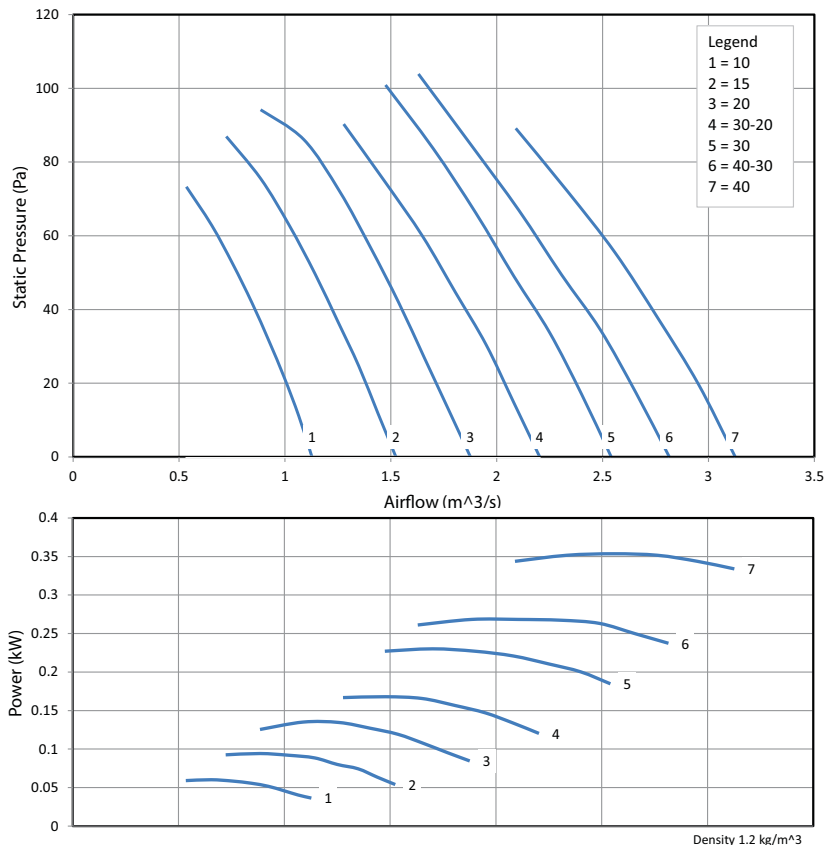


Blade Pitch	FEG
20-10	80
30-10	80
40-10	80
40-20	80
45-35	75
45-45	71

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	1	63	68	69	70	68	67	66	65	74	62.5
	93	64	69	73	76	71	68	67	67	77	65.5
	147	78	80	76	73	70	72	70	68	78	66.5
40-10°	1	68	72	73	74	71	69	67	64	77	65.5
	78	65	69	71	72	69	67	68	68	76	64.5
	150	75	78	81	77	72	72	70	67	80	68.5
40-20°	3	73	76	72	73	71	70	69	69	78	66.5
	82	71	75	71	71	70	71	71	69	78	66.5
	150	71	74	74	74	73	74	73	70	80	68.5
45-35°	3	74	77	75	75	76	77	77	74	83	71.5
	97	72	73	75	75	76	78	78	74	84	72.5
	166	72	75	76	74	75	77	78	75	83	71.5
45°	3	74	76	79	78	79	80	80	76	86	74.5
	116	72	73	78	76	76	77	79	76	85	73.5
	448	90	88	77	74	69	64	59	56	77	65.5

RA-630-325-225-6 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

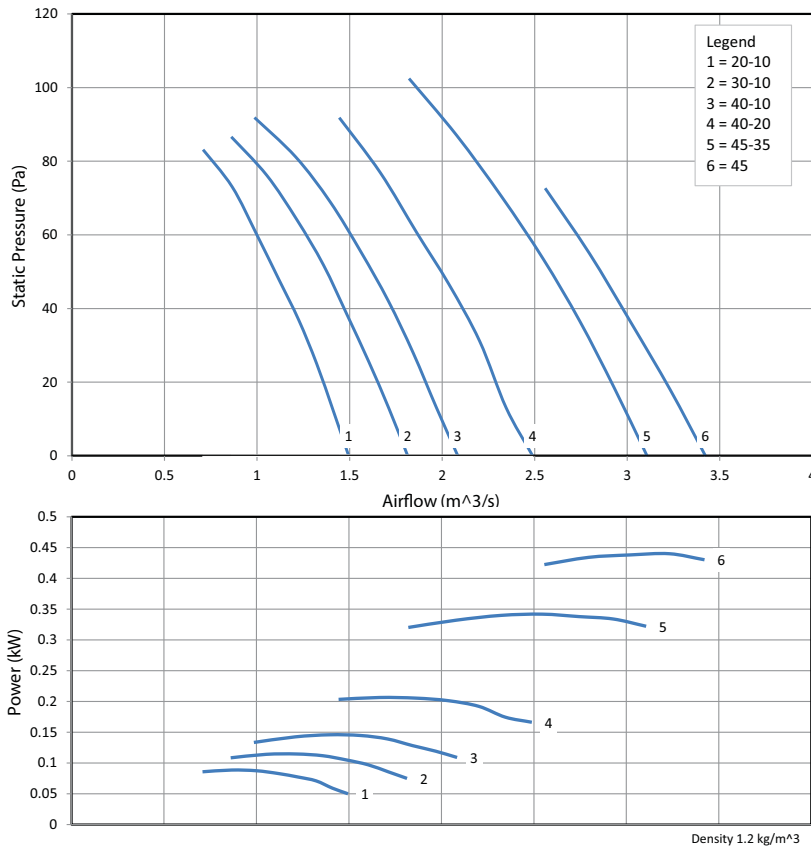


Blade Pitch	FEG
10	75
15-15	80
20-20	80
30-20	80
30-30	80
40-30	80
40-40	75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	0	59	63	63	63	61	60	59	57	67	55.5
	47	58	63	69	71	64	60	58	57	71	59.5
	80	71	70	70	66	63	63	61	58	70	58.5
20°	1	65	68	65	64	62	62	62	62	69	57.5
	47	61	64	64	63	62	63	62	61	70	58.5
	91	66	72	76	72	68	68	65	62	75	63.5
30-20°	1	64	67	67	66	64	62	62	62	70	58.5
	48	62	64	66	64	63	65	64	62	71	59.5
	93	64	71	74	71	68	69	67	65	75	63.5
40-30°	2	69	66	74	69	66	67	66	64	74	62.5
	52	71	68	76	68	68	70	67	64	76	64.5
	101	68	67	75	67	68	71	69	66	76	64.5
40°	3	71	70	69	70	71	72	70	68	78	66.5
	57	66	68	69	70	71	73	71	68	78	66.5
	86	65	69	69	68	69	71	72	70	77	65.5

RA-630-325-225-6 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

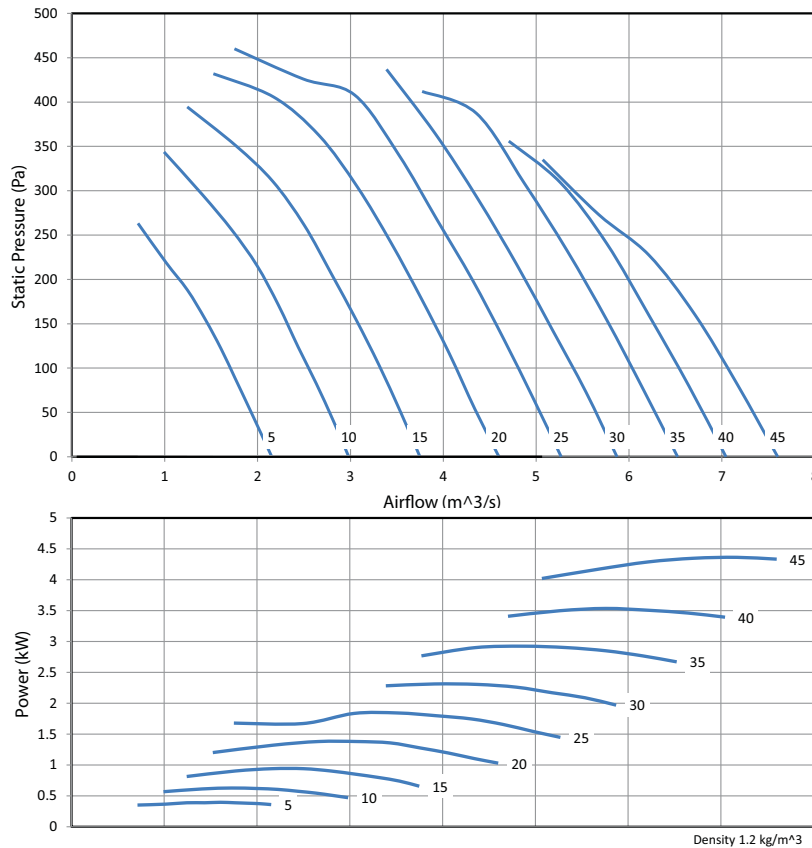


Blade Pitch	FEG
20-10	80
30-10	80
40-10	80
40-20	80
45-35	75
45-45	71

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	1	60	63	64	63	62	61	60	59	68	56.5
	55	61	65	69	69	64	62	61	61	71	59.5
	87	74	70	69	66	64	66	64	61	72	60.5
40-10°	1	64	67	68	68	64	62	60	57	70	58.5
	46	61	64	66	66	63	62	62	63	70	58.5
	89	71	74	74	70	66	65	63	61	73	61.5
40-20°	2	70	65	67	67	65	64	64	63	72	60.5
	49	69	65	66	66	64	66	65	63	72	60.5
	89	68	67	69	67	68	69	66	63	74	62.5
45-35°	2	72	70	70	70	70	71	70	67	77	65.5
	57	67	69	69	69	71	72	71	67	78	66.5
	98	69	70	69	68	70	72	71	68	77	65.5
45°	2	69	73	73	72	73	75	73	69	80	68.5
	68	66	70	71	70	71	73	73	70	79	67.5
	265	84	76	70	66	62	56	52	49	69	57.5

RA-630-325-190-4 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

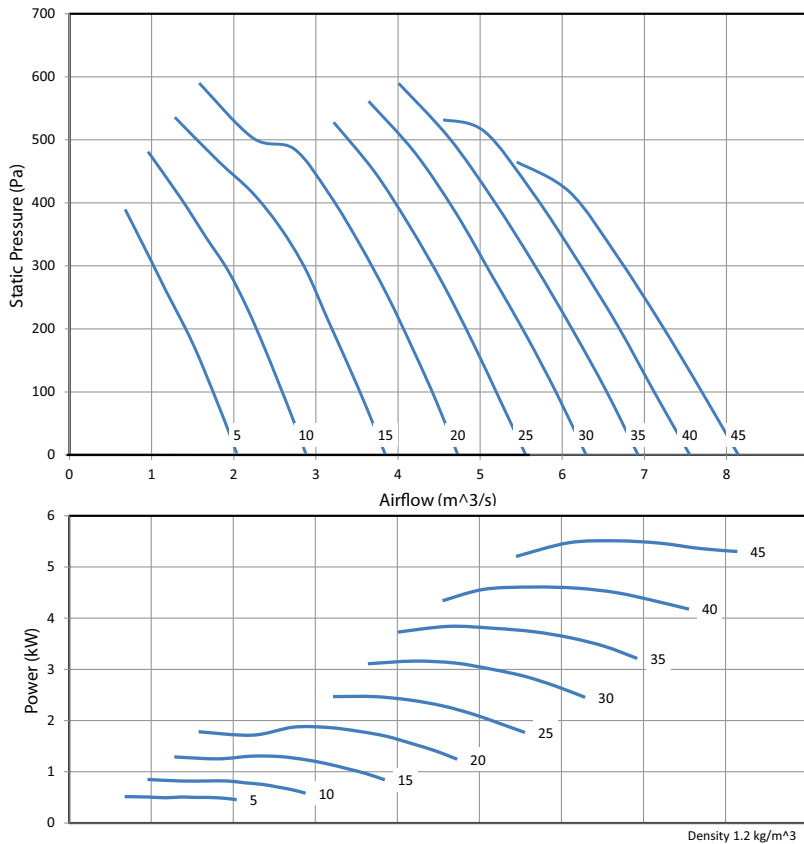


FEG 85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	5	76	78	77	84	85	80	77	71	88	76.5
	125	78	77	79	90	91	83	75	69	93	81.5
	311	82	85	85	81	79	74	71	68	84	72.5
15°	7	78	81	79	83	83	79	77	72	87	75.5
	249	81	82	77	83	80	77	73	69	85	73.5
	439	89	90	87	88	84	78	75	74	89	77.5
25°	12	82	86	82	84	82	77	74	70	86	74.5
	194	84	85	82	84	83	77	74	72	87	75.5
	416	87	84	84	89	86	80	77	77	90	78.5
35°	20	91	90	87	88	86	81	77	76	90	78.5
	184	90	85	84	86	85	80	77	78	89	77.5
	401	90	87	86	87	86	82	79	79	90	78.5
45°	15	92	90	91	93	91	86	82	82	95	83.5
	187	92	88	90	91	90	85	82	82	94	82.5
	374	95	95	92	92	90	85	81	77	94	82.5

RA-630-325-190-6 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

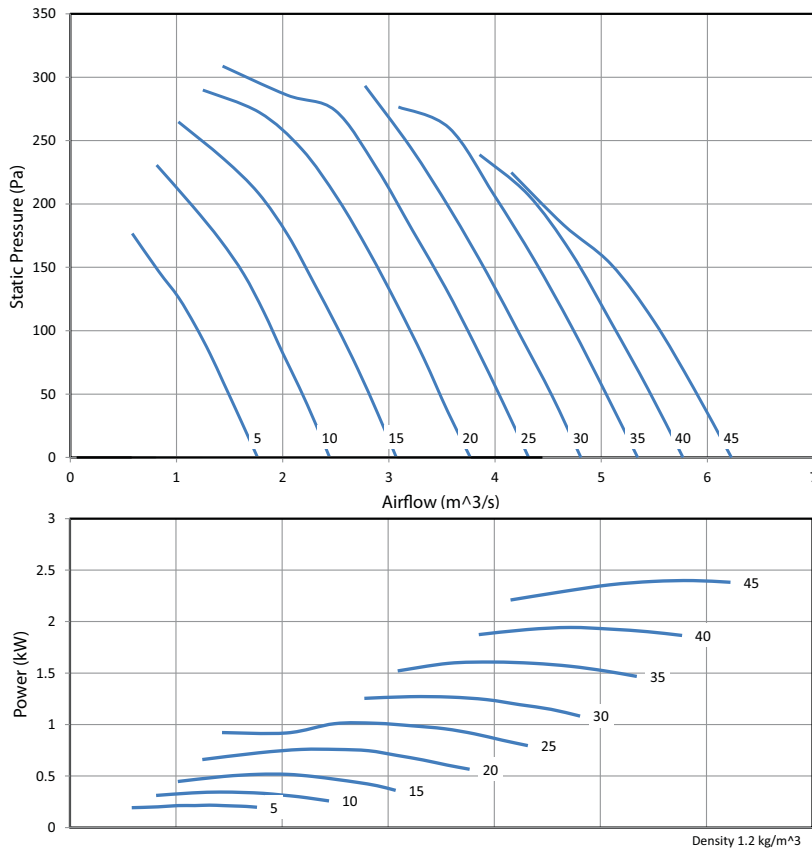


FEG 85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	5	77	76	80	88	90	84	79	73	93	81.5
	189	77	76	81	91	90	82	76	69	93	81.5
	374	80	88	83	83	80	74	71	67	85	73.5
15°	7	76	77	81	84	84	81	79	73	88	76.5
	239	78	76	79	80	81	77	75	70	85	73.5
	503	90	97	89	89	85	78	75	74	90	78.5
25°	12	80	80	82	85	85	80	77	72	88	76.5
	252	82	79	82	84	83	78	76	72	87	75.5
	511	91	82	86	91	87	82	78	77	92	80.5
35°	22	89	86	87	89	87	82	78	75	91	79.5
	326	91	84	86	89	89	82	78	79	92	80.5
	551	95	85	87	89	88	82	80	81	92	80.5
45°	17	93	91	91	93	92	86	82	81	95	83.5
	274	94	89	89	92	92	86	82	82	95	83.5
	486	98	92	93	94	92	86	82	82	96	84.5

RA-630-325-190-4 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

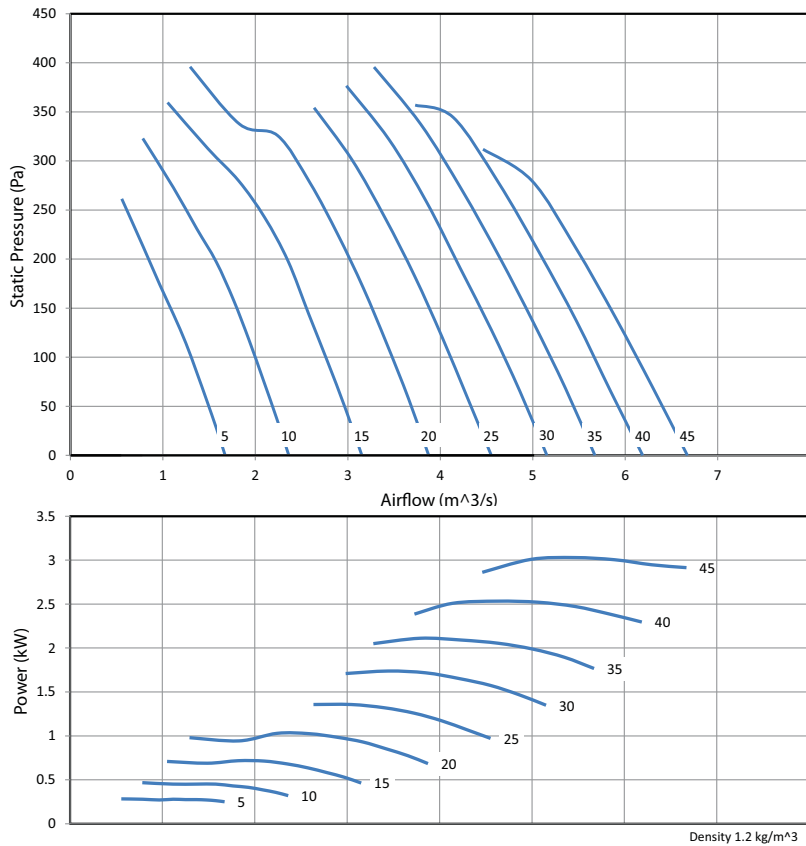


FEG 85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	3	72	74	74	80	79	75	71	65	83	71.5
	84	74	73	78	86	84	76	69	62	87	75.5
	209	78	80	80	76	73	69	66	62	79	67.5
15°	5	74	77	76	79	78	74	71	66	82	70.5
	167	77	78	75	78	75	71	68	64	80	68.5
	294	85	85	83	82	78	73	70	70	84	72.5
25°	8	79	82	78	79	76	72	69	65	81	69.5
	130	80	80	79	80	77	72	69	68	82	70.5
	279	82	80	81	84	80	75	73	72	85	73.5
35°	13	86	86	83	83	80	76	73	72	85	73.5
	124	84	81	81	81	79	75	73	73	84	72.5
	269	85	83	82	82	81	77	75	75	85	73.5
45°	10	87	86	87	88	85	81	78	77	90	78.5
	125	86	84	86	87	84	80	78	78	89	77.5
	251	91	91	88	87	84	80	76	72	89	77.5

RA-630-325-190-6 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

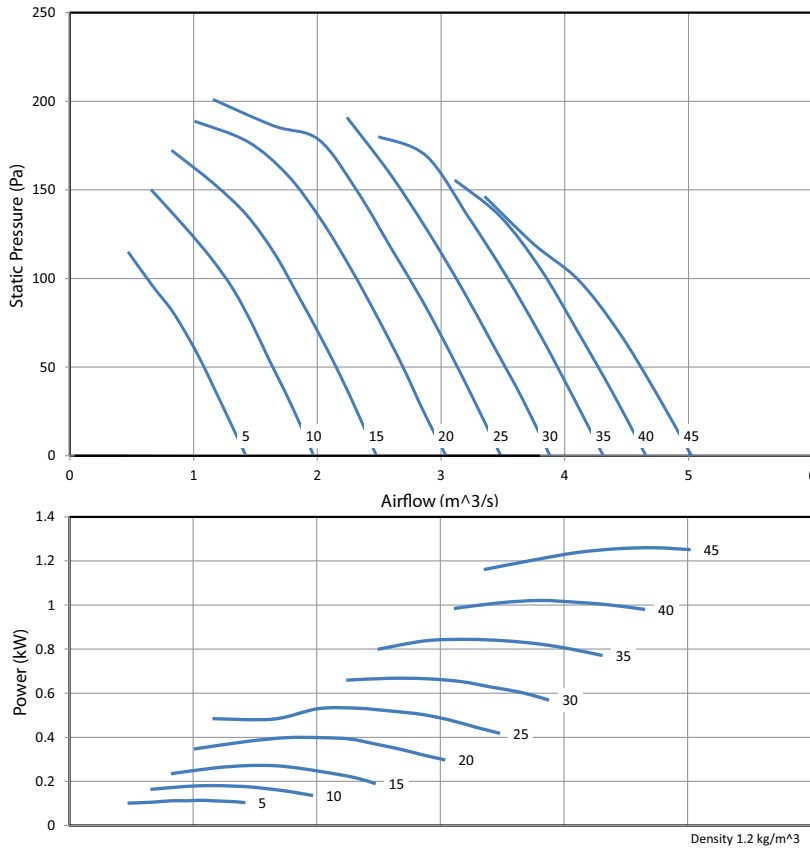


FEG 85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	3	72	73	78	85	84	78	73	67	87	75.5
	127	73	73	80	86	83	76	70	63	87	75.5
	251	78	84	78	78	74	69	65	61	79	67.5
15°	5	72	74	77	80	79	76	73	67	83	71.5
	160	73	72	75	76	75	72	69	65	80	68.5
	338	87	92	85	84	79	73	71	69	85	73.5
25°	8	75	76	79	80	79	75	72	66	83	71.5
	169	77	76	79	80	77	73	70	67	82	70.5
	343	84	79	83	85	81	76	74	72	86	74.5
35°	15	84	82	83	84	82	76	73	70	86	74.5
	219	85	81	83	85	82	76	74	74	87	75.5
	370	88	82	83	84	82	77	76	76	87	75.5
45°	12	88	87	87	88	86	80	77	76	90	78.5
	184	88	85	86	87	85	80	78	78	90	78.5
	326	92	88	89	89	86	81	78	77	91	79.5

RA-630-325-190-4 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

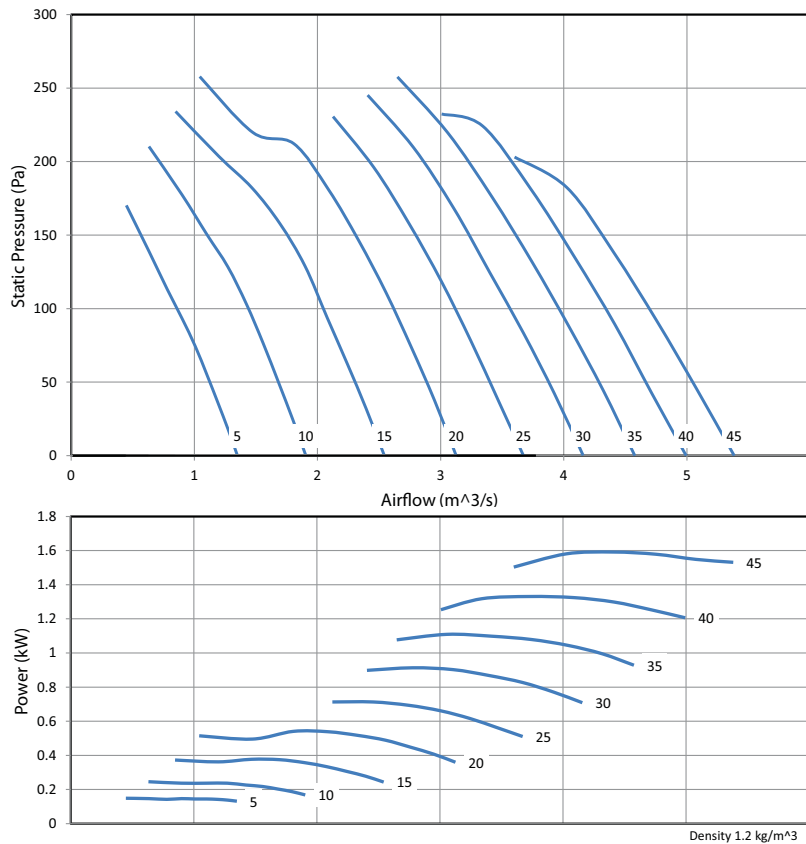


FEG 85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	2	69	68	72	76	73	69	65	59	77	65.5
	54	69	69	77	82	77	69	62	56	81	69.5
	136	76	76	74	71	67	63	60	56	73	61.5
15°	3	72	71	72	74	72	68	65	60	76	64.5
	109	73	70	72	72	69	66	62	58	74	62.5
	192	81	79	79	76	71	67	66	65	78	66.5
25°	5	77	74	74	74	70	66	63	59	75	63.5
	85	76	74	74	75	71	67	64	62	76	64.5
	182	76	75	78	78	74	69	68	68	80	68.5
35°	9	82	79	78	78	74	70	68	67	80	68.5
	80	78	76	76	77	73	69	68	69	79	67.5
	175	79	78	78	77	75	71	70	70	80	68.5
45°	6	82	82	83	83	79	75	73	72	84	72.5
	82	80	80	82	82	78	74	73	73	84	72.5
	163	86	84	83	82	78	74	70	66	83	71.5

RA-630-325-190-6 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

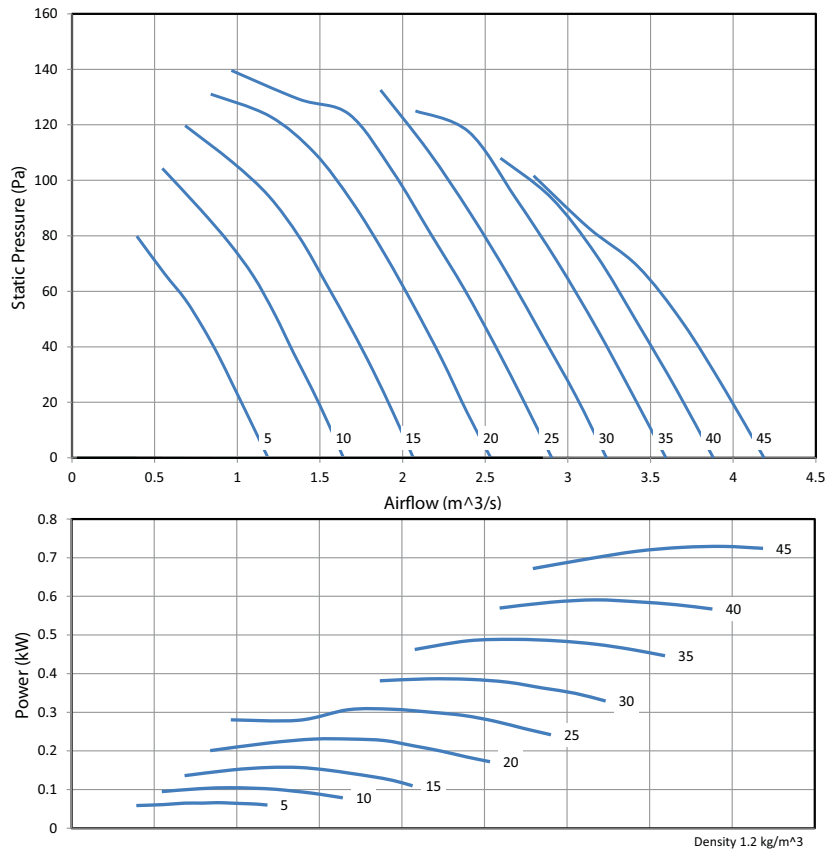


FEG 85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	2	67	69	76	81	77	72	67	60	82	70.5
	83	67	70	78	81	76	69	63	56	81	69.5
	163	76	79	74	72	68	63	59	55	74	62.5
15°	3	68	70	74	75	73	71	66	61	78	66.5
	104	68	68	71	72	69	67	63	58	74	62.5
	220	85	88	80	78	72	68	66	64	79	67.5
25°	5	71	72	75	76	73	70	65	60	78	66.5
	110	71	72	75	75	71	68	65	61	76	64.5
	223	77	75	80	80	75	71	69	67	81	69.5
35°	10	78	78	79	79	75	71	67	64	80	68.5
	143	78	77	79	80	76	71	69	70	81	69.5
	241	80	77	79	79	75	72	71	72	81	69.5
45°	8	83	82	83	83	79	74	72	71	84	72.5
	120	82	80	82	83	79	74	73	73	84	72.5
	212	86	84	85	84	80	75	73	72	85	73.5

RA-630-325-190-4 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

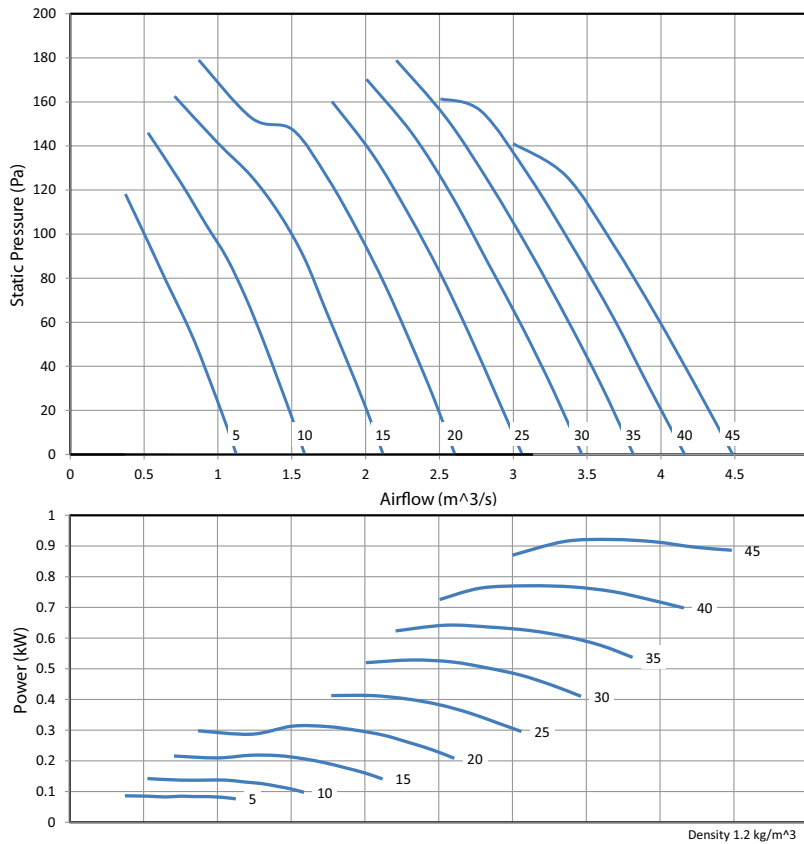


FEG 85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	1	65	64	70	72	68	65	59	53	73	61.5
	38	64	66	76	78	71	63	57	50	77	65.5
	94	72	72	69	66	62	59	55	52	68	56.5
15°	2	68	67	69	70	67	64	59	55	72	60.5
	75	69	65	69	68	64	61	57	53	70	58.5
	133	77	74	75	71	66	62	61	61	73	61.5
25°	4	73	69	71	69	65	62	58	54	71	59.5
	59	72	70	71	70	65	62	60	58	72	60.5
	126	72	71	76	74	68	65	64	64	75	63.5
35°	6	77	74	75	74	69	65	63	62	75	63.5
	56	73	72	73	72	68	65	65	65	74	62.5
	122	75	74	74	73	69	66	66	66	76	64.5
45°	4	77	78	79	78	74	70	69	68	80	68.5
	57	75	77	78	77	73	69	69	69	79	67.5
	113	82	80	79	77	73	69	65	61	79	67.5

RA-630-325-190-6 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

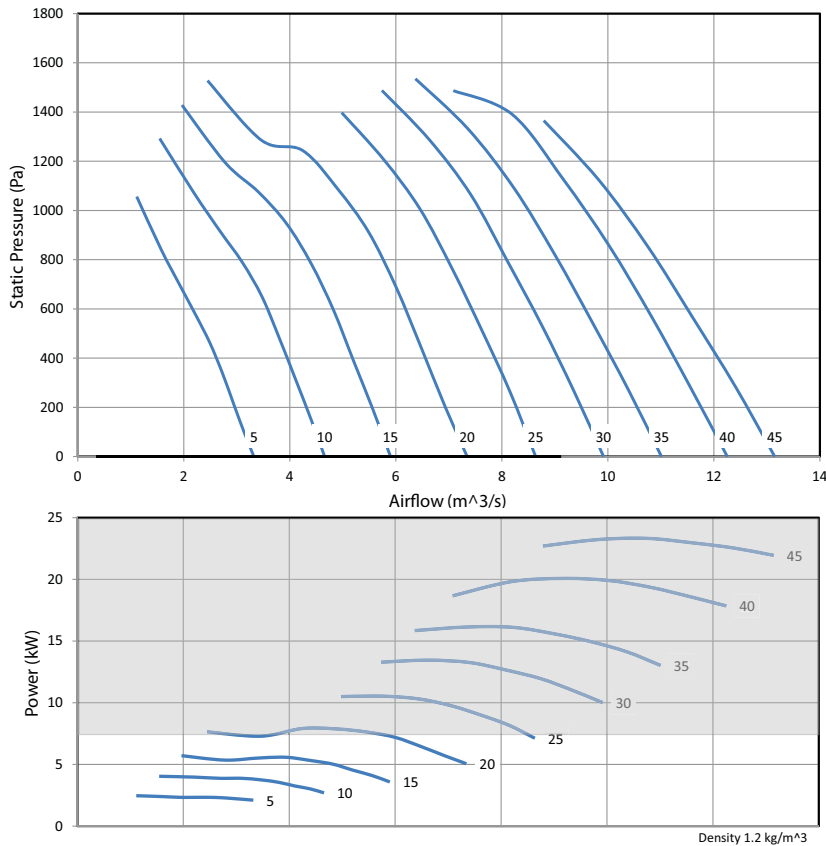


FEG 85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	1	63	66	74	77	72	67	61	55	77	65.5
	58	63	67	76	77	70	64	57	50	77	65.5
	113	74	75	70	67	62	58	54	50	69	57.5
15°	2	64	67	70	71	68	66	61	56	73	61.5
	73	63	65	67	68	64	62	58	53	70	58.5
	153	83	84	76	73	66	63	61	60	75	63.5
25°	4	67	69	72	72	68	65	60	55	73	61.5
	76	67	69	71	70	66	63	60	56	72	60.5
	155	70	72	77	75	70	66	64	63	76	64.5
35°	7	74	74	75	75	70	66	63	60	76	64.5
	99	72	73	76	76	70	66	66	66	77	65.5
	167	74	74	76	75	70	67	67	68	77	65.5
45°	5	78	78	79	79	73	69	68	67	80	68.5
	83	77	76	78	79	73	69	69	69	80	68.5
	148	80	80	81	79	74	70	69	68	81	69.5

RA-630-325-275-6 (2900 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	13	91	90	88	93	100	98	93	89	104	92.5
	662	88	88	88	95	102	99	91	85	104	92.5
	1331	95	96	98	96	95	91	88	85	100	88.5
15°	20	92	91	89	92	95	94	92	90	100	88.5
	689	88	87	86	89	91	90	88	86	96	84.5
	1310	102	103	107	109	103	97	91	87	108	96.5
25°	33	95	94	93	95	96	94	92	89	101	89.5
	675	94	94	92	94	95	92	90	87	99	87.5
	1411	100	99	96	99	100	96	92	90	104	92.5
35°	33	102	101	98	100	102	97	95	92	105	93.5
	669	101	99	97	99	102	96	93	91	105	93.5
	1531	105	103	98	100	101	97	94	92	105	93.5
45°	47	103	103	102	104	104	101	97	95	108	96.5
	702	101	101	100	102	104	100	96	94	107	95.5
	1397	108	107	103	105	106	101	97	94	109	97.5



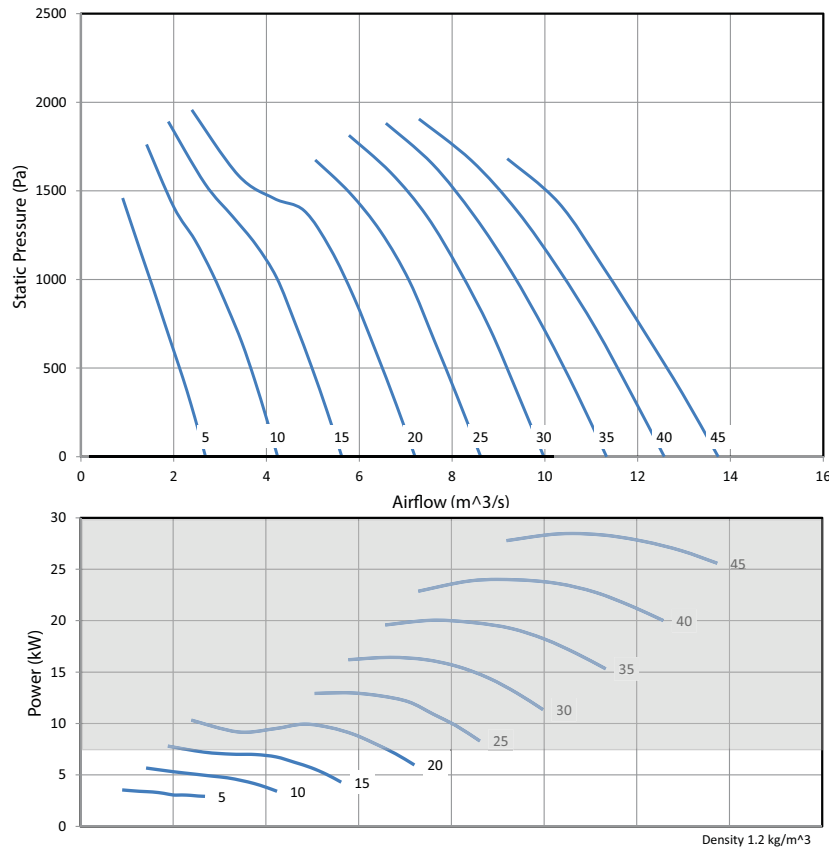
Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.



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RA-630-325-275-9 (2900 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

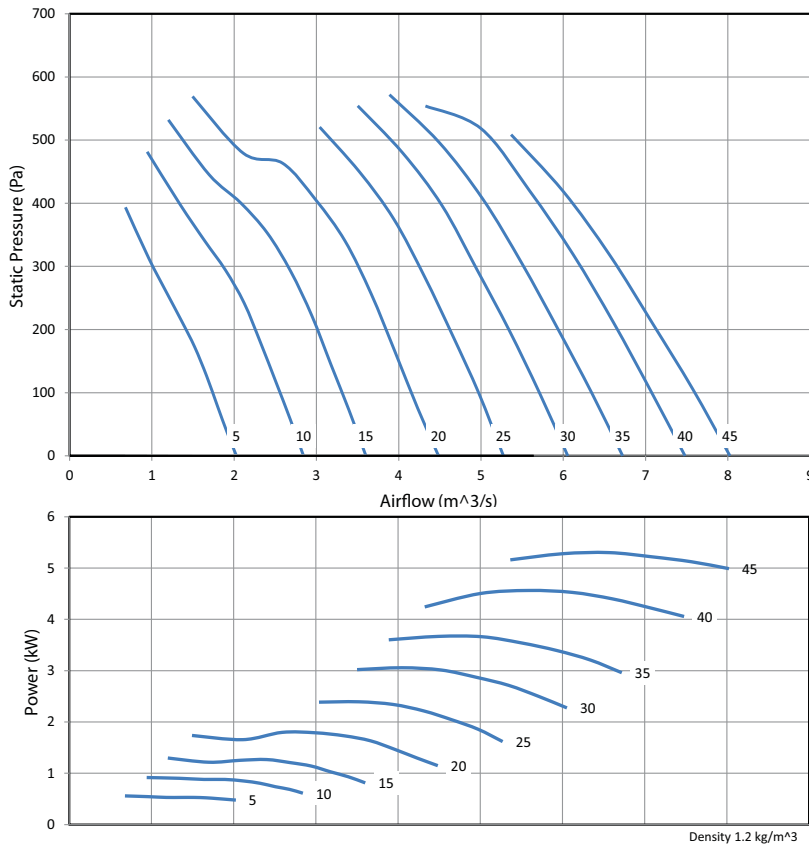


FEG 85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	7	91	91	92	96	101	100	95	90	105	93.5
	669	89	89	91	97	101	98	92	87	104	92.5
	1324	98	97	97	101	95	91	87	84	101	89.5
15°	13	92	91	89	93	96	96	93	91	102	90.5
	669	91	90	89	92	95	94	91	89	100	88.5
	1733	104	103	101	102	100	95	90	87	104	92.5
25°	27	95	93	91	95	97	95	94	91	102	90.5
	656	92	91	90	94	95	93	90	88	99	87.5
	1706	99	98	99	103	104	98	94	90	107	95.5
35°	47	97	96	95	99	100	98	95	93	105	93.5
	1010	97	97	96	99	100	98	93	90	104	92.5
	1920	102	101	97	100	101	98	93	91	105	93.5
45°	87	103	102	101	104	104	102	97	95	108	96.5
	977	103	102	101	103	104	102	96	93	108	96.5
	1665	103	101	99	103	104	101	95	93	108	96.5

RA-630-325-275-6 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

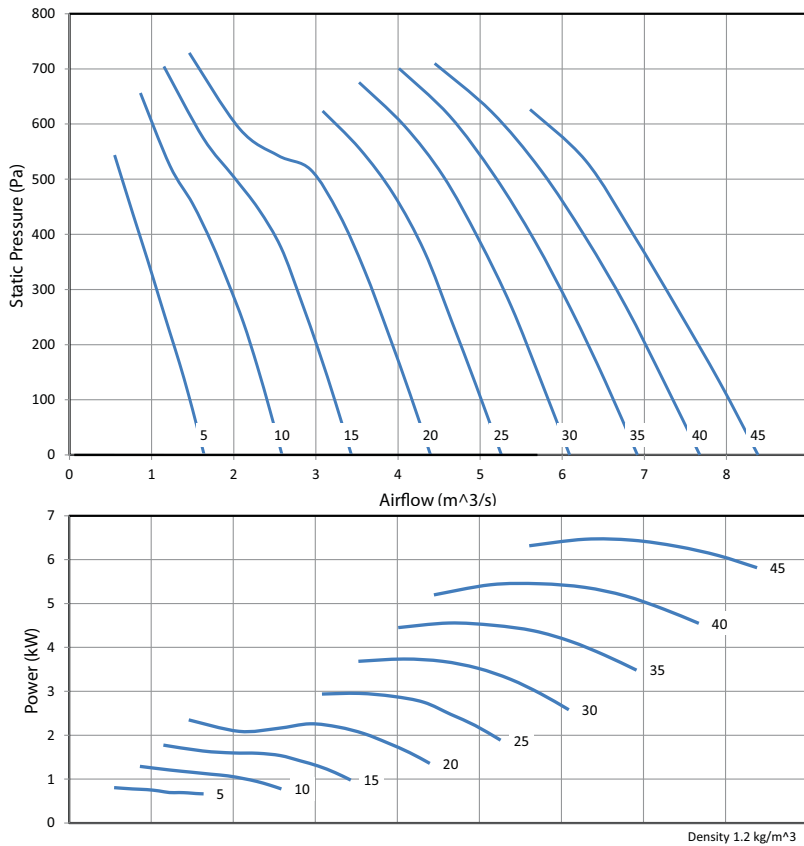


FEG 85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	5	80	77	80	89	89	84	80	74	92	80.5
	247	77	76	82	91	91	82	76	70	93	81.5
	496	85	87	85	86	82	78	75	73	87	75.5
15°	7	81	78	80	84	84	82	80	75	89	77.5
	257	78	75	77	81	80	77	76	72	85	73.5
	488	92	95	99	94	88	82	77	74	95	83.5
25°	12	84	82	83	86	84	81	80	74	89	77.5
	252	84	81	83	85	82	79	77	74	87	75.5
	526	90	84	87	91	87	82	79	78	92	80.5
35°	12	91	87	89	92	87	84	83	77	93	81.5
	249	90	85	87	93	87	83	81	79	93	81.5
	570	94	87	89	92	88	84	81	81	93	81.5
45°	17	93	91	93	94	91	87	86	83	96	84.5
	262	91	89	91	94	91	86	84	83	96	84.5
	521	97	92	93	96	92	87	84	82	97	85.5

RA-630-325-275-9 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

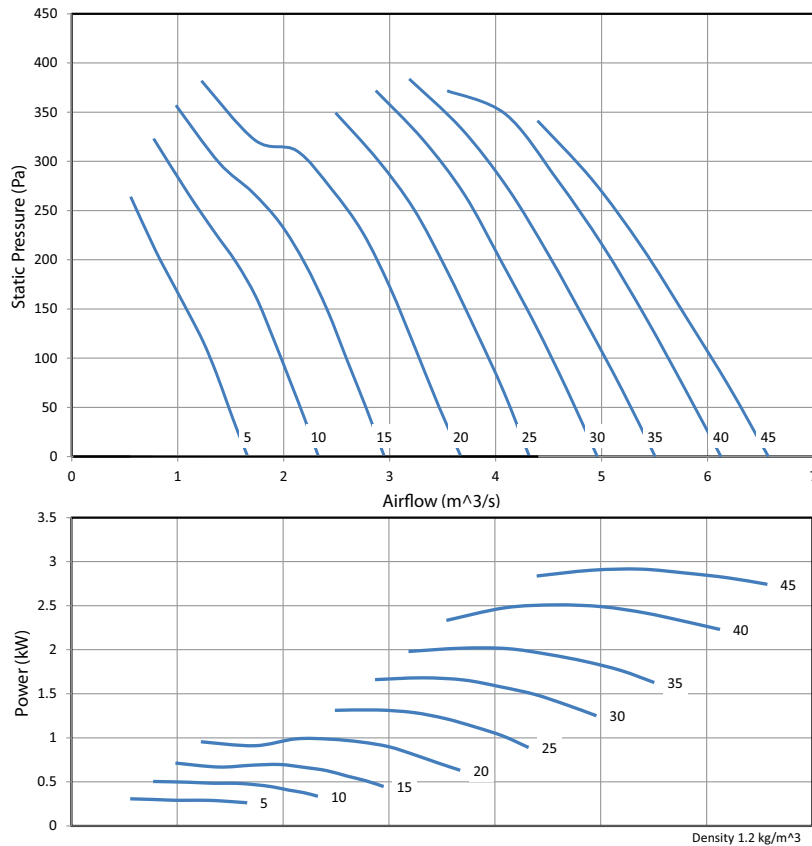


FEG 85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	2	80	81	83	90	90	85	81	75	93	81.5
	249	78	79	85	91	90	82	78	72	93	81.5
	493	87	84	91	86	82	77	74	71	88	76.5
15°	5	82	77	81	86	86	83	82	76	90	78.5
	249	80	78	81	84	85	81	80	75	89	77.5
	645	93	90	91	91	85	81	77	75	91	79.5
25°	10	84	79	83	86	85	83	82	76	90	78.5
	244	82	79	82	85	83	80	79	74	88	76.5
	635	88	87	91	95	89	84	80	77	95	83.5
35°	17	87	83	88	90	88	84	84	77	93	81.5
	376	87	85	88	90	89	83	80	77	93	81.5
	715	92	86	89	91	89	83	80	80	93	81.5
45°	32	92	89	92	94	93	87	86	80	97	85.5
	364	93	89	92	94	93	86	83	81	96	84.5
	620	92	87	91	95	92	85	82	82	96	84.5

RA-630-325-275-6 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

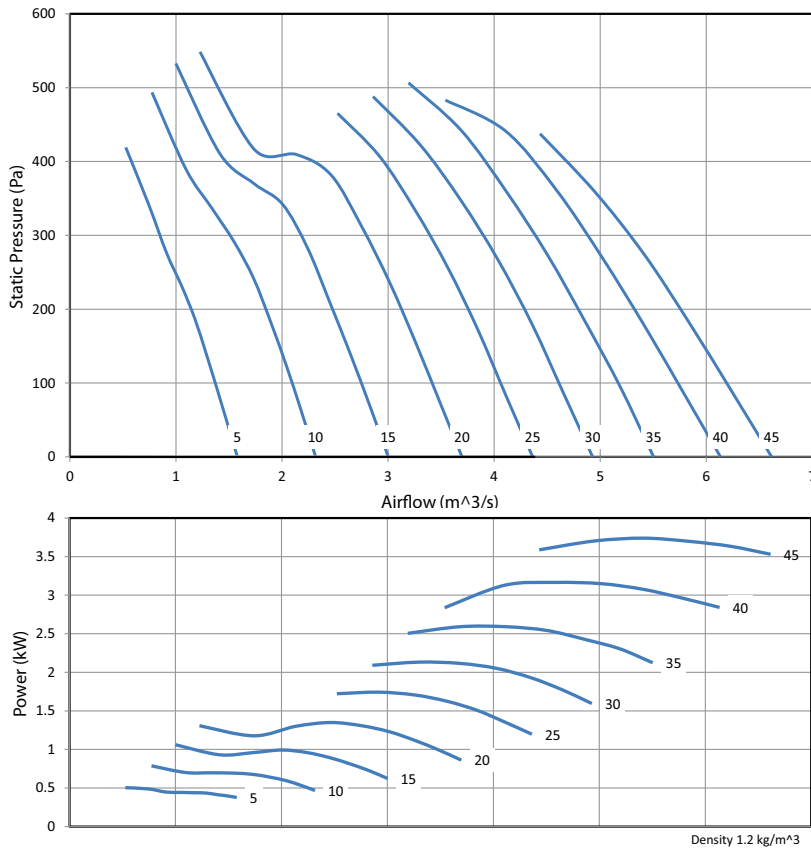


FEG 85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	3	75	73	78	85	83	78	74	68	87	75.5
	165	72	73	80	87	84	76	70	64	87	75.5
	333	81	83	81	80	76	72	70	68	82	70.5
15°	5	76	74	77	80	79	77	75	69	84	72.5
	172	72	71	74	76	75	73	71	66	80	68.5
	328	88	92	93	88	82	76	72	69	89	77.5
25°	8	79	78	79	81	79	77	74	68	84	72.5
	169	79	77	79	80	77	75	72	68	82	70.5
	353	84	81	84	85	81	77	75	74	87	75.5
35°	8	86	83	85	86	82	80	77	71	88	76.5
	167	84	82	84	87	81	78	76	74	87	75.5
	383	88	83	85	86	82	79	77	76	88	76.5
45°	12	88	87	89	89	86	82	80	77	91	79.5
	176	86	85	87	89	85	81	79	78	90	78.5
	349	91	88	90	91	86	82	79	77	92	80.5

RA-630-325-275-9 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

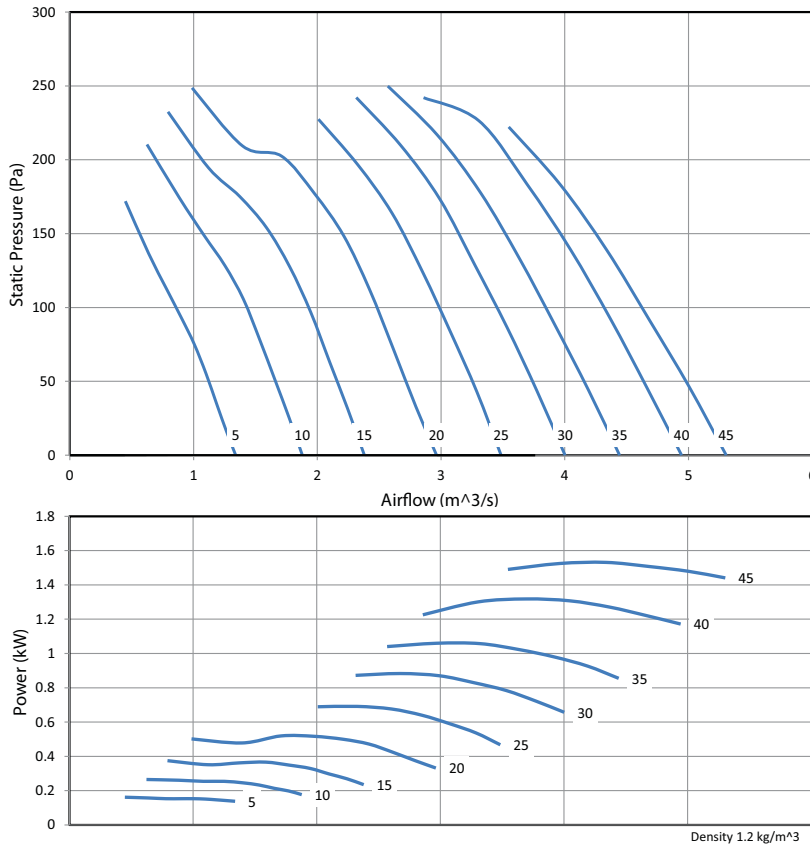


FEG 85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	2	76	77	81	86	84	80	75	68	88	76.5
	167	74	76	82	86	83	77	72	66	87	75.5
	331	82	82	86	80	76	72	69	66	83	71.5
15°	3	76	74	78	81	81	78	76	70	85	73.5
	167	75	74	77	80	79	76	74	69	84	72.5
	433	88	86	87	85	80	75	72	70	86	74.5
25°	7	78	76	80	82	80	79	76	70	85	73.5
	164	76	75	79	80	78	75	73	68	83	71.5
	426	83	83	88	89	83	79	75	72	89	77.5
35°	12	81	80	84	85	83	80	78	71	88	76.5
	252	82	81	84	85	83	78	75	72	87	75.5
	480	86	82	85	86	83	78	76	76	88	76.5
45°	22	87	85	89	89	87	82	80	74	91	79.5
	244	87	85	88	89	87	81	78	77	91	79.5
	416	86	83	88	89	86	80	78	77	90	78.5

RA-630-325-275-6 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

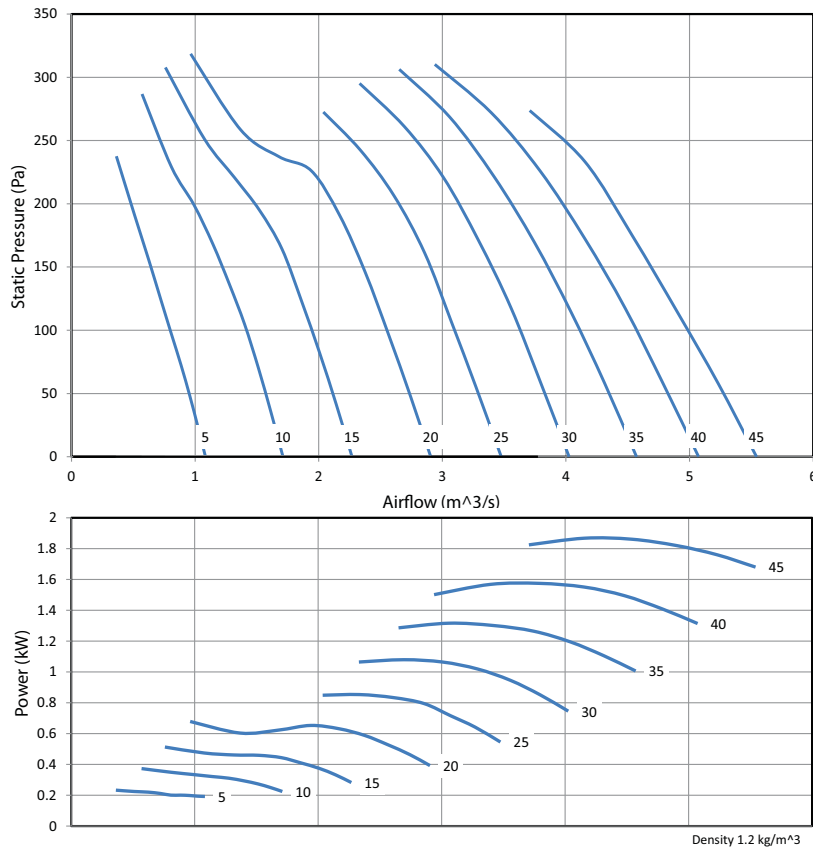


FEG 85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	2	69	70	76	80	77	73	68	62	81	69.5
	108	67	71	78	82	76	69	63	57	81	69.5
	217	77	78	77	74	70	67	65	62	76	64.5
15°	3	70	70	73	75	74	72	68	63	79	67.5
	112	67	67	70	71	69	68	65	60	75	63.5
	213	84	88	87	82	75	70	66	64	83	71.5
25°	5	74	73	76	76	73	72	68	61	79	67.5
	110	73	73	75	74	72	69	66	62	77	65.5
	230	77	77	80	79	75	71	70	69	81	69.5
35°	5	80	79	82	80	76	74	71	65	82	70.5
	109	78	77	81	80	76	73	71	69	82	70.5
	249	81	79	82	80	76	73	72	72	82	70.5
45°	8	83	83	84	83	80	77	75	72	86	74.5
	114	81	81	84	83	79	76	74	74	85	73.5
	227	85	84	86	85	80	76	73	72	86	74.5

RA-630-325-275-9 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

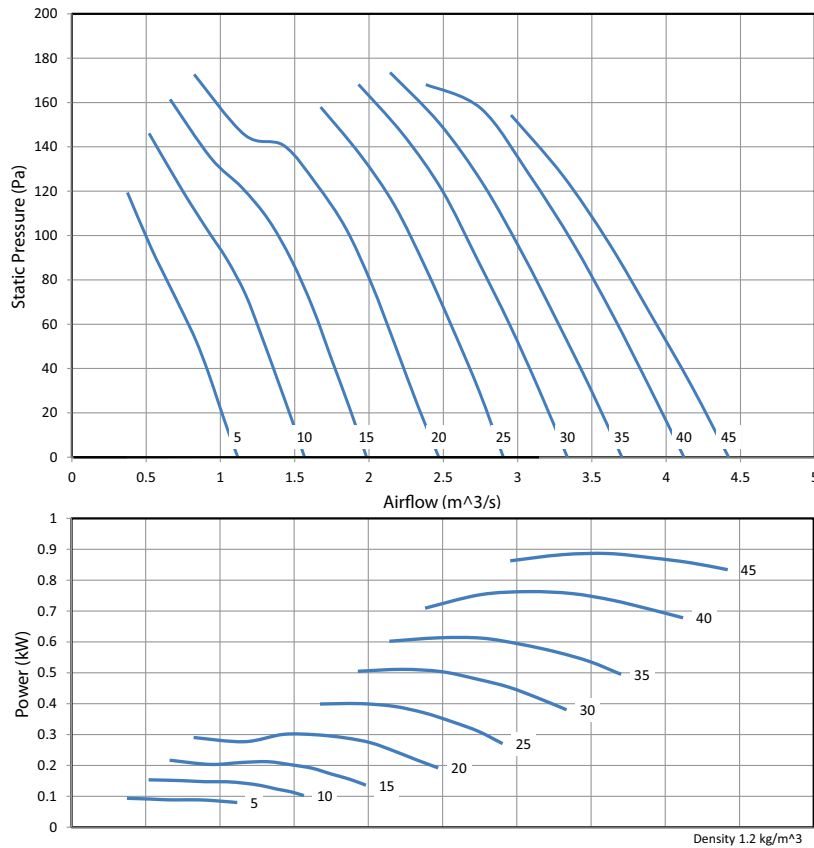


FEG 85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	1	71	74	78	81	78	74	68	62	83	71.5
	109	70	76	79	81	76	71	65	59	81	69.5
	216	76	82	79	74	70	66	64	61	77	65.5
15°	2	70	72	75	77	75	73	69	64	80	68.5
	109	70	72	74	75	74	71	68	62	78	66.5
	282	82	82	82	79	74	69	67	65	80	68.5
25°	4	72	74	76	77	75	74	70	63	80	68.5
	107	71	73	75	75	72	70	67	62	78	66.5
	278	78	82	84	82	77	73	69	67	83	71.5
35°	8	76	79	80	80	77	75	71	65	82	70.5
	164	76	79	80	80	76	72	70	66	82	70.5
	312	79	80	81	81	77	72	71	71	82	70.5
45°	14	81	83	84	84	80	77	73	68	86	74.5
	159	81	83	84	84	80	75	73	72	85	73.5
	271	80	82	84	84	79	74	73	72	85	73.5

RA-630-325-275-6 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

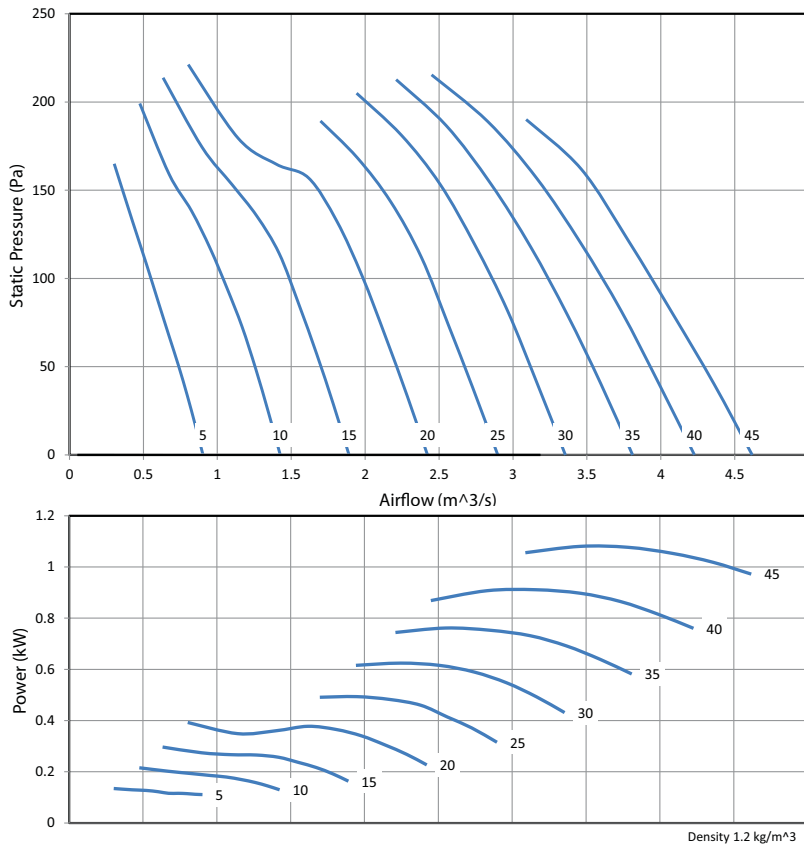


FEG 85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	1	64	66	75	76	71	68	62	56	77	65.5
	75	63	68	77	78	70	64	58	52	77	65.5
	150	74	74	73	69	65	62	60	58	72	60.5
15°	2	65	67	70	71	69	68	63	57	74	62.5
	78	62	64	67	67	65	63	59	55	70	58.5
	148	81	86	82	76	70	65	62	59	78	66.5
25°	4	69	70	73	71	69	68	62	56	74	62.5
	76	69	69	72	70	67	65	61	57	72	60.5
	159	72	73	78	74	70	67	66	65	76	64.5
35°	4	75	75	79	75	72	70	65	59	78	66.5
	75	73	74	79	75	71	68	67	65	77	65.5
	173	75	76	78	75	71	69	68	67	78	66.5
45°	5	79	79	81	79	75	73	70	67	81	69.5
	79	76	77	80	78	74	71	70	69	80	68.5
	158	80	80	83	80	75	71	69	67	81	69.5

RA-630-325-275-9 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).



Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

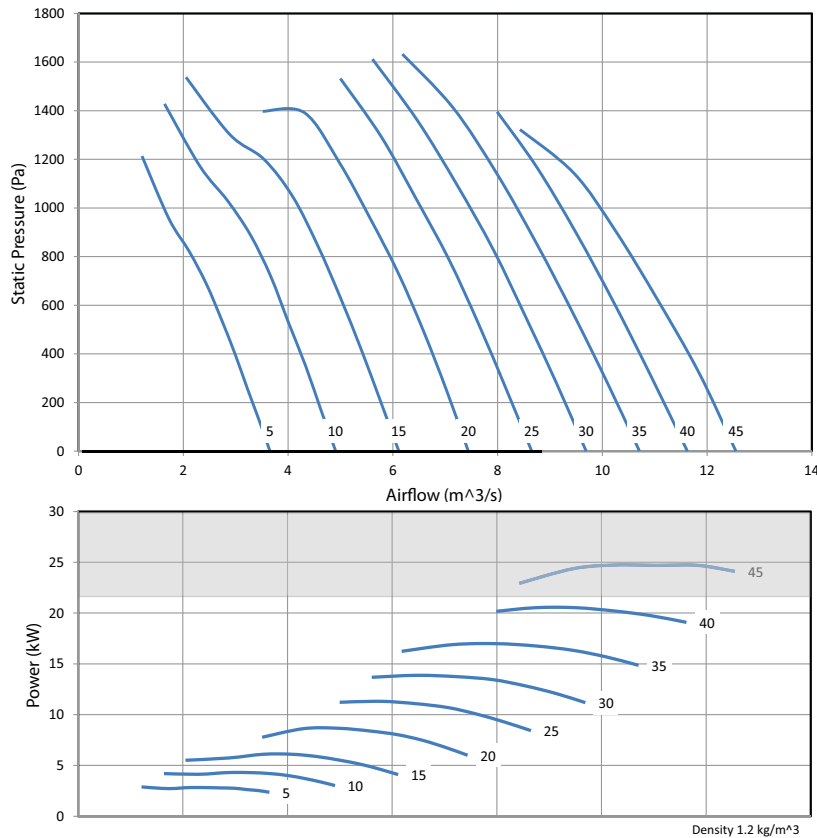


FEG 85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	1	68	70	76	77	73	69	63	56	78	66.5
	75	66	72	77	77	70	66	60	53	77	65.5
	150	72	78	73	69	65	62	59	56	72	60.5
15°	1	65	68	72	73	70	69	64	58	76	64.5
	75	65	68	70	72	69	67	62	57	74	62.5
	196	77	79	78	73	68	64	62	60	75	63.5
25°	3	67	70	73	72	70	69	64	58	76	64.5
	74	66	69	72	70	68	66	62	57	73	61.5
	193	74	78	82	77	72	67	65	63	79	67.5
35°	5	71	75	77	76	72	71	65	59	78	66.5
	114	72	75	77	76	71	68	65	62	77	65.5
	217	74	76	78	76	71	68	67	67	78	66.5
45°	10	76	79	81	80	75	73	68	62	81	69.5
	110	76	79	80	80	74	70	69	67	81	69.5
	188	74	78	81	79	73	70	69	68	80	68.5

RA-630-375-275-6 (2900 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	0	88	88	88	93	99	97	92	88	103	91.5
	421	88	87	88	94	101	101	94	87	105	93.5
	916	92	92	94	100	103	96	89	83	105	93.5
15°	7	89	88	89	93	94	93	92	88	100	88.5
	682	93	91	87	90	91	90	88	86	96	84.5
	1157	93	93	92	98	105	99	92	85	107	95.5
25°	27	94	94	93	96	96	93	91	89	101	89.5
	709	93	92	91	95	94	90	88	85	98	86.5
	1592	99	98	96	98	99	95	91	88	102	90.5
35°	33	100	99	98	99	100	96	93	90	104	92.5
	702	99	98	95	97	98	96	91	89	102	90.5
	1552	102	101	98	99	99	95	92	90	103	91.5
45°	40	102	101	100	101	102	99	95	93	106	94.5
	957	101	100	98	101	102	99	94	92	106	94.5
	1385	108	107	107	107	106	101	97	92	110	98.5



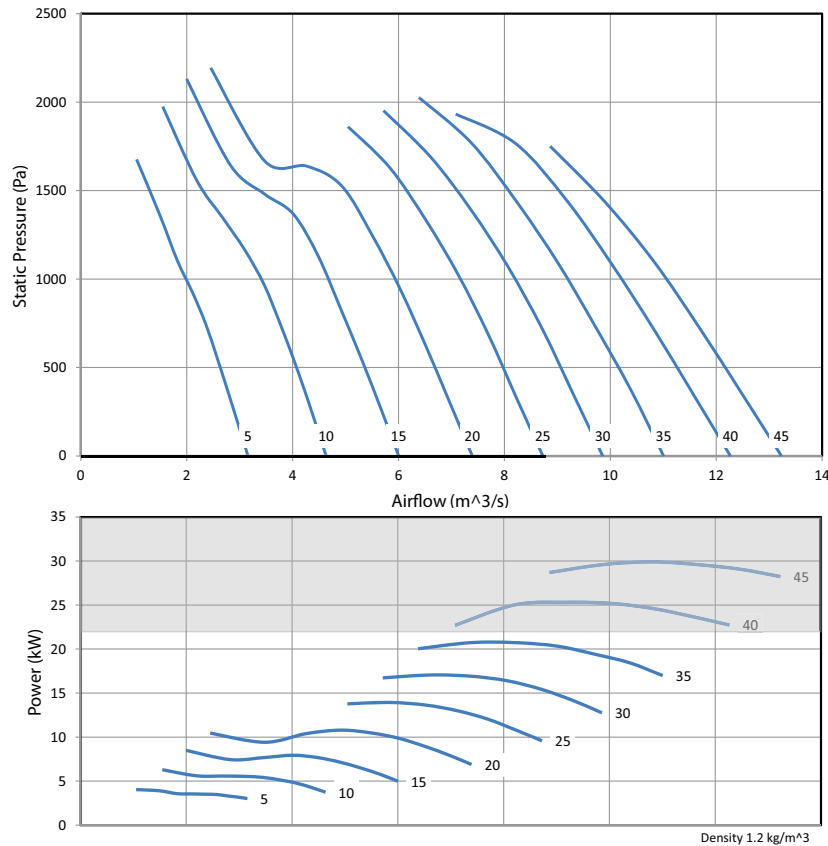
Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.



FEG 80

RA-630-375-275-9 (2900 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).



Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

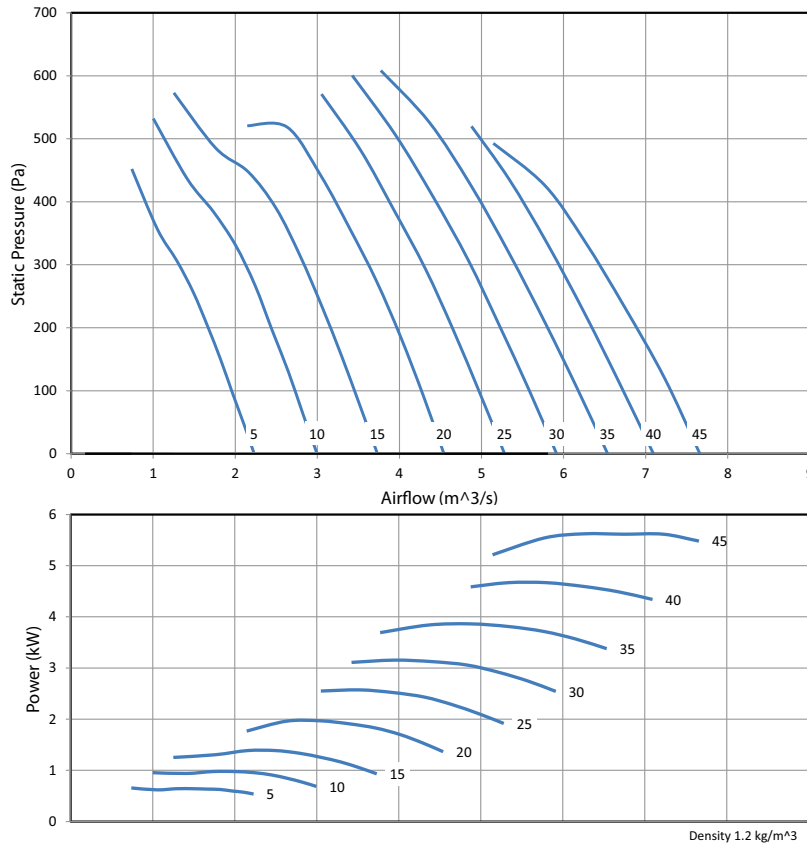


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	7	88	89	92	96	100	100	94	89	105	93.5
	589	88	88	91	96	101	99	93	87	104	92.5
	1298	96	96	99	105	99	94	88	83	105	93.5
15°	7	87	87	90	97	97	95	93	90	102	90.5
	896	88	88	91	96	96	93	91	88	100	88.5
	1572	99	100	103	108	104	97	91	86	109	97.5
25°	20	93	92	94	102	100	96	94	92	105	93.5
	682	93	92	92	101	98	93	90	88	102	90.5
	1813	98	97	96	99	100	96	92	88	104	92.5
35°	47	100	99	98	100	100	98	94	91	105	93.5
	990	99	97	95	98	99	96	92	89	103	91.5
	1947	100	99	98	100	100	96	92	90	104	92.5
45°	54	103	103	102	105	105	101	98	95	109	97.5
	702	101	101	101	105	105	100	96	93	108	96.5
	1659	104	104	104	105	105	101	96	92	109	97.5

RA-630-375-275-6 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

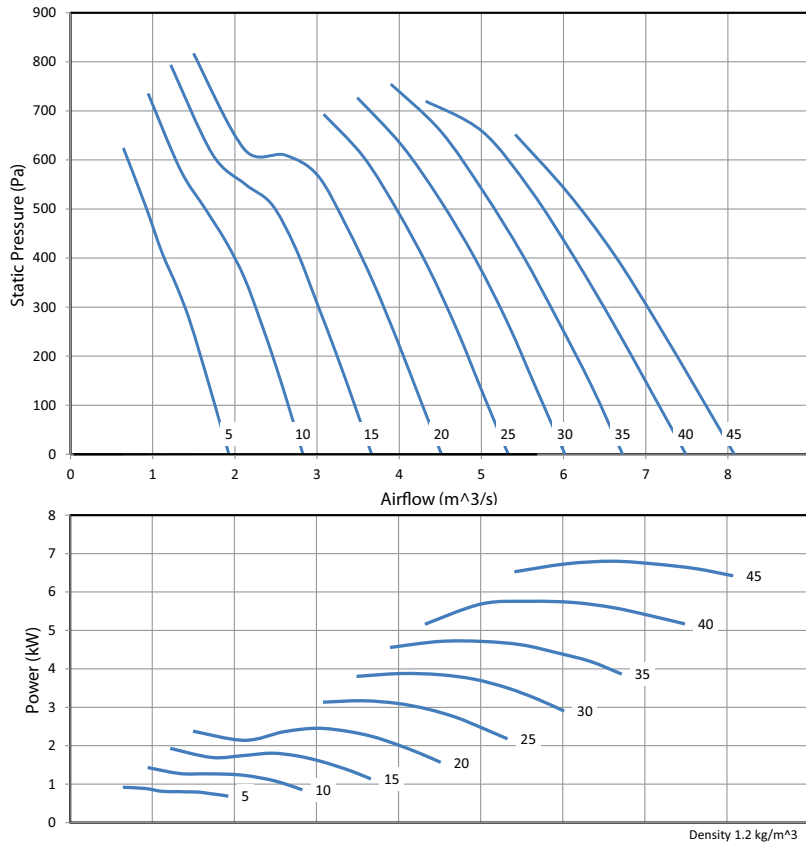


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	0	77	77	79	88	88	82	79	73	91	79.5
	157	77	76	81	90	92	85	78	72	94	82.5
	341	82	82	88	94	88	80	74	69	93	81.5
15°	2	78	77	82	84	83	81	79	73	88	76.5
	254	82	75	79	81	79	78	76	72	85	73.5
	431	83	80	83	96	91	83	76	71	95	83.5
25°	10	84	81	85	87	83	81	79	75	89	77.5
	264	82	79	84	85	81	77	75	72	86	74.5
	593	88	84	86	89	85	81	77	76	90	78.5
35°	12	89	87	88	90	87	83	80	76	92	80.5
	262	88	84	86	88	86	82	78	77	91	79.5
	578	92	86	88	90	86	82	79	79	91	79.5
45°	15	91	89	90	92	90	85	83	81	94	82.5
	356	91	86	89	92	89	85	81	82	94	82.5
	516	97	96	97	96	92	87	82	79	97	85.5

RA-630-375-275-9 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

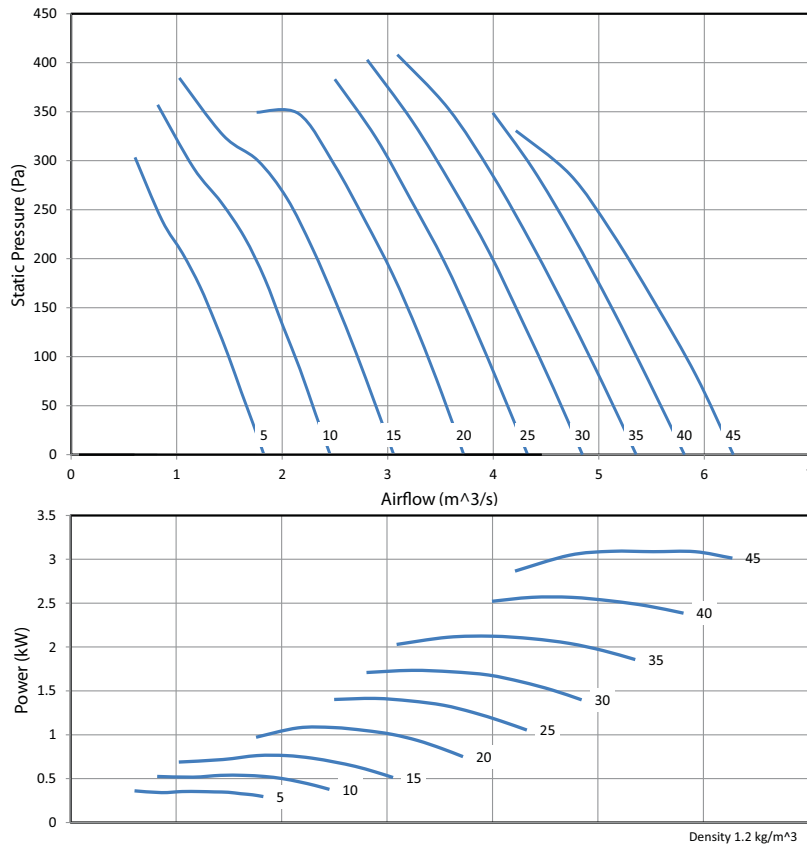


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	2	78	80	84	89	91	84	81	73	93	81.5
	219	77	79	83	90	90	83	78	72	93	81.5
	483	85	86	94	90	85	78	74	69	91	79.5
15°	2	77	76	86	87	85	83	81	75	90	78.5
	334	78	78	86	86	84	81	78	75	89	77.5
	586	89	90	98	96	88	82	76	73	95	83.5
25°	7	82	80	91	91	86	84	82	77	92	80.5
	254	82	77	90	90	82	80	79	76	90	78.5
	675	87	84	88	91	87	83	78	77	92	80.5
35°	17	89	87	89	90	88	84	82	77	93	81.5
	369	88	83	87	88	87	82	79	78	91	79.5
	725	90	86	89	91	87	82	79	79	92	80.5
45°	20	93	90	94	95	92	88	85	81	97	85.5
	262	90	88	94	95	91	86	83	81	96	84.5
	618	93	93	94	95	91	86	82	81	96	84.5

RA-630-375-275-6 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

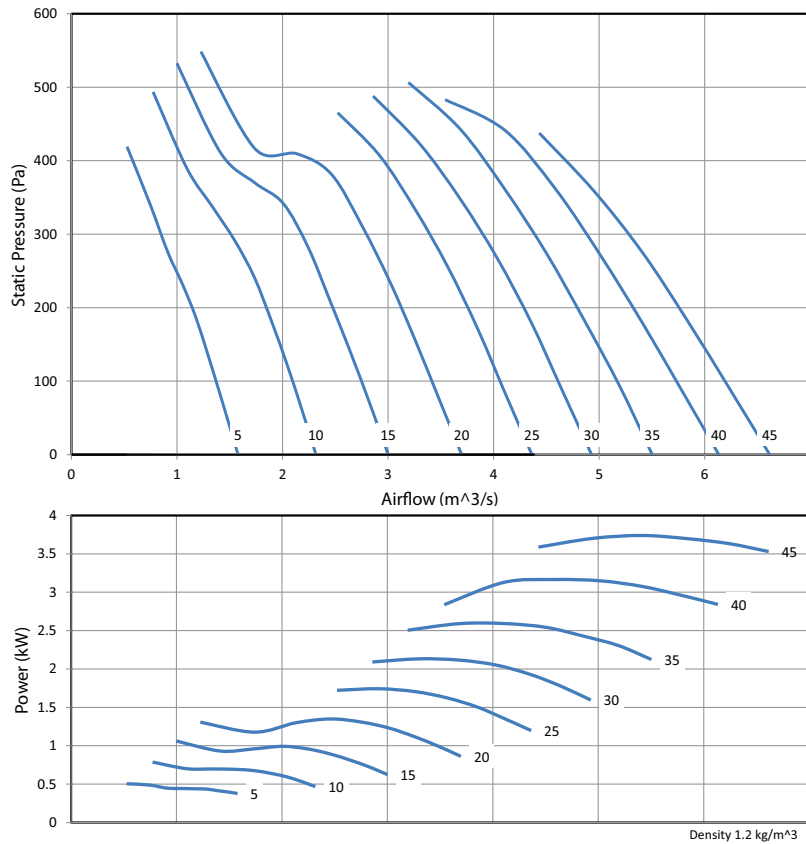


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	0	73	73	78	84	82	77	73	66	86	74.5
	105	72	73	79	86	86	79	72	66	88	76.5
	229	77	79	85	88	81	74	68	63	87	75.5
15°	2	73	74	78	79	78	76	73	67	83	71.5
	171	76	72	75	76	75	73	70	67	80	68.5
	289	78	77	83	90	84	77	70	65	89	77.5
25°	7	79	78	81	81	78	76	74	69	84	72.5
	177	77	76	80	79	75	72	70	66	81	69.5
	398	83	81	83	84	80	76	73	71	85	73.5
35°	8	84	83	84	85	81	78	75	70	86	74.5
	176	83	80	82	83	81	76	74	73	85	73.5
	388	86	83	84	84	80	77	75	75	86	74.5
45°	10	86	85	86	87	84	80	78	76	89	77.5
	239	85	83	86	87	84	79	77	77	89	77.5
	346	92	92	92	91	86	82	77	73	92	80.5

RA-630-375-275-9 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

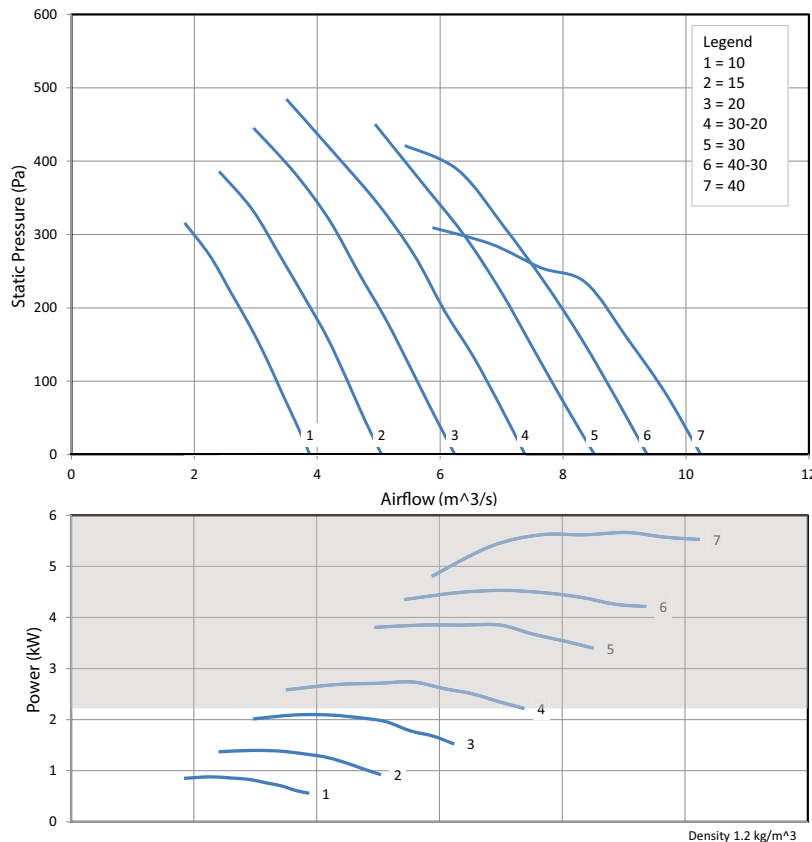


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	2	74	77	81	85	84	79	74	67	88	76.5
	147	73	76	81	86	84	77	72	66	87	75.5
	324	81	84	90	84	79	73	68	63	86	74.5
15°	2	72	74	82	82	80	78	75	69	85	73.5
	224	73	76	81	81	78	76	73	69	84	72.5
	393	85	88	93	89	82	76	71	68	90	78.5
25°	5	77	79	87	85	81	79	77	72	87	75.5
	171	77	77	86	83	77	75	73	70	85	73.5
	453	82	81	84	85	81	77	73	72	86	74.5
35°	12	84	83	85	85	82	79	76	71	87	75.5
	247	82	80	83	84	81	77	74	73	86	74.5
	487	84	83	85	85	81	77	75	75	87	75.5
45°	13	88	87	90	90	86	83	79	76	92	80.5
	176	85	86	90	90	85	81	78	76	91	79.5
	415	88	89	90	90	85	81	77	76	91	79.5

RA-710-225-4 (1770 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	7	72	83	87	85	83	80	80	79	89	77.5
	217	68	81	86	84	84	80	79	79	88	76.5
	371	76	84	90	93	90	83	82	82	94	82.5
20°	23	90	90	82	83	85	82	82	83	90	78.5
	211	89	89	80	82	84	81	82	85	90	78.5
	433	86	86	78	81	82	81	83	86	90	78.5
30-20°	28	93	93	82	85	88	84	83	84	92	80.5
	217	92	92	82	84	86	84	84	86	92	80.5
	468	92	92	81	83	84	83	84	87	91	79.5
40-30°	41	98	98	93	90	90	88	89	90	96	84.5
	241	98	98	91	90	89	87	89	91	96	84.5
	407	94	94	90	88	88	86	87	91	95	83.5
40°	50	100	100	94	93	92	89	90	92	98	86.5
	166	103	103	92	92	92	89	90	92	98	86.5
	290	102	102	91	90	91	87	88	92	97	85.5



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

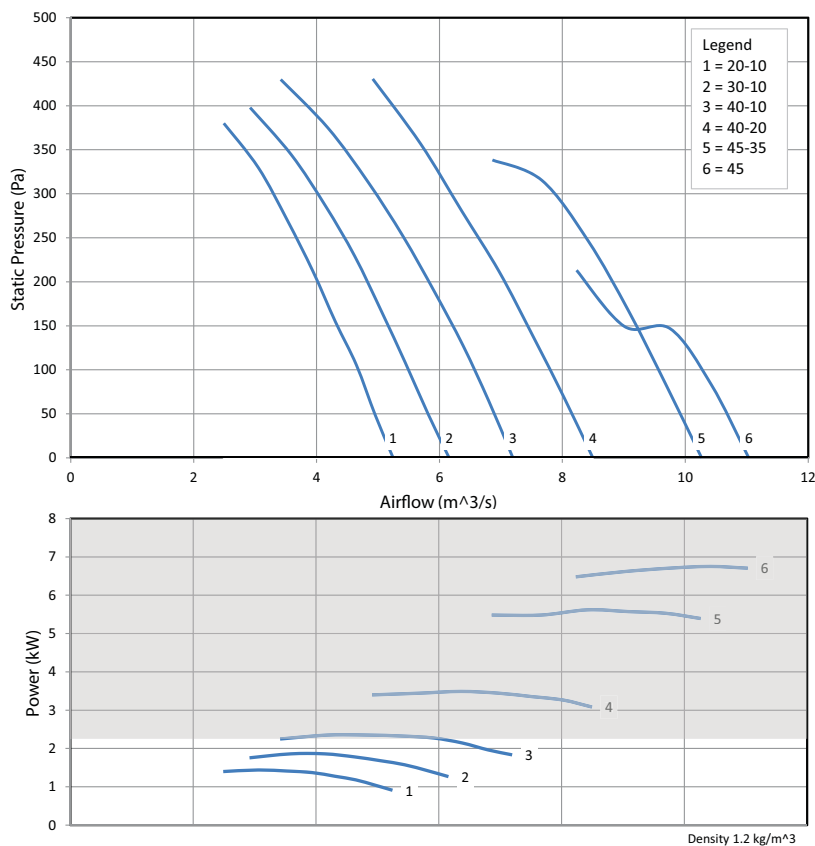
Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.



Blade Pitch	FEG
10	80
15-15	80
20-20	80
30-20	85
30-30	80
40-30	85
40-40	80

RA-710-225-4 (1770 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

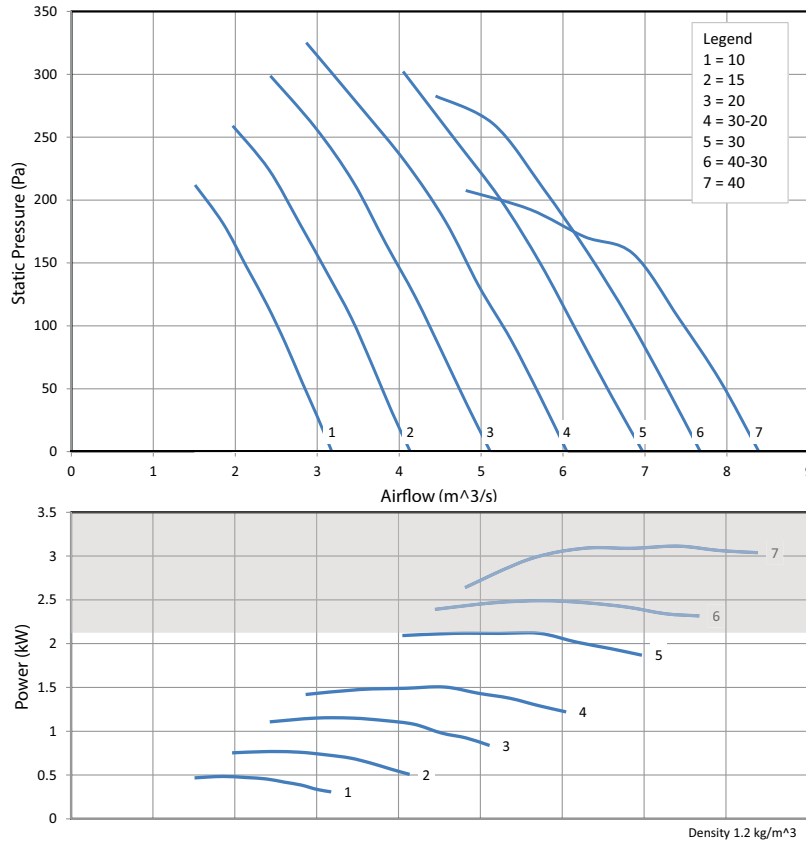


Blade Pitch	FEG
20-10	85
30-10	85
40-10	90
40-20	85
45-35	80
45-45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	15	74	83	86	87	85	81	80	80	90	78.5
	234	73	89	84	84	82	80	80	81	88	76.5
	427	83	92	91	96	94	87	85	84	98	86.5
40-10°	28	87	87	82	85	88	85	82	83	92	80.5
	217	88	88	81	84	86	83	81	83	90	78.5
	427	91	91	83	87	90	85	83	85	93	81.5
40-20°	41	97	97	88	88	89	87	84	86	94	82.5
	174	94	94	88	87	88	85	85	88	94	82.5
	415	91	91	86	87	87	82	84	88	92	80.5
45-35°	50	98	98	93	91	92	89	90	92	98	86.5
	174	97	97	90	92	92	89	89	92	98	86.5
	348	96	96	90	90	90	87	88	91	96	84.5
45°	50	97	97	93	94	94	91	91	93	100	88.5
	158	106	106	98	95	94	89	89	89	99	87.5
	299	112	112	100	96	95	91	89	88	102	90.5

RA-710-225-4 (1450 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	5	71	80	82	80	78	76	75	75	84	72.5
	145	68	78	81	80	78	75	75	75	84	72.5
	249	74	81	87	88	84	78	78	78	89	77.5
20°	15	85	85	77	80	80	77	78	79	86	74.5
	141	84	84	75	79	79	76	79	80	86	74.5
	291	82	82	74	78	77	77	80	82	86	74.5
30-20°	19	89	89	78	83	83	79	79	80	88	76.5
	145	88	88	77	81	81	79	81	81	88	76.5
	314	87	87	77	79	80	78	81	83	87	75.5
40-30°	28	94	94	88	86	85	84	85	85	92	80.5
	161	94	94	86	85	84	83	85	86	92	80.5
	273	90	90	85	84	83	82	84	87	91	79.5
40°	33	95	95	89	89	87	85	86	87	94	82.5
	111	99	99	88	88	87	85	86	88	94	82.5
	195	97	97	87	86	85	83	85	88	93	81.5



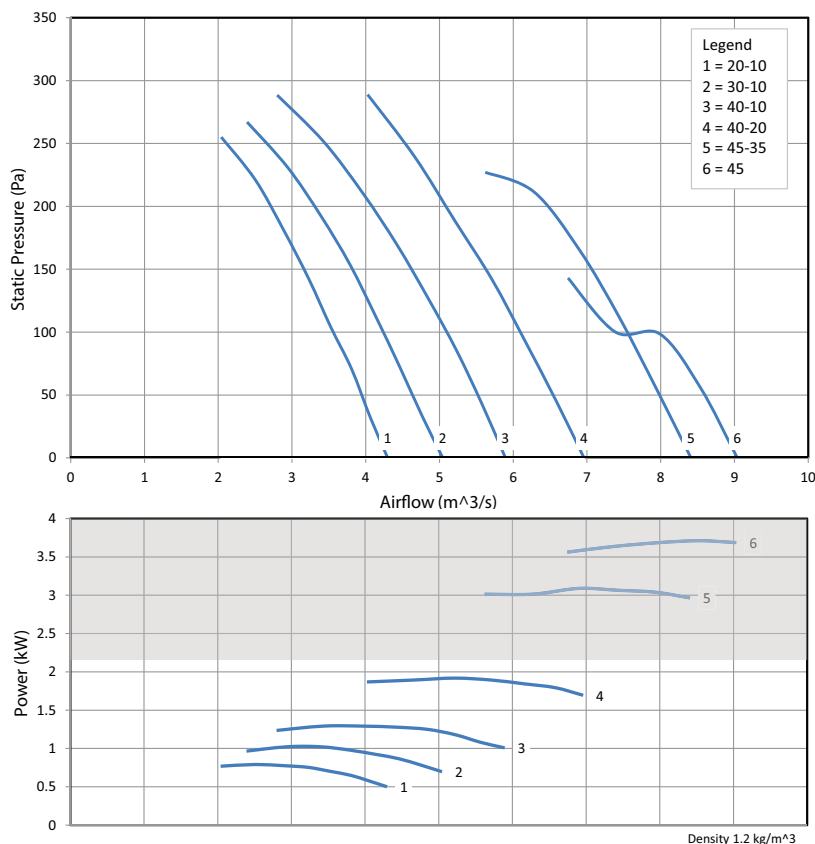
Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.



Blade Pitch	FEG
10	80
15-15	80
20-20	80
30-20	85
30-30	80
40-30	85
40-40	80

RA-710-225-4 (1450 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

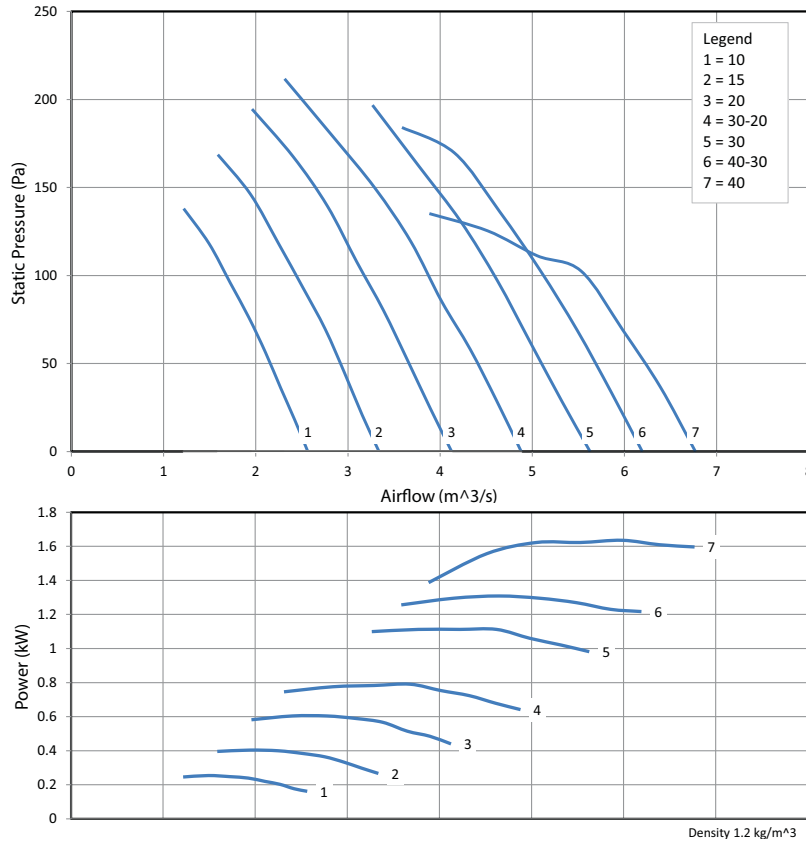


Blade Pitch	FEG
20-10	85
30-10	85
40-10	90
40-20	85
45-35	80
45-45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	10	69	79	83	82	80	76	75	76	85	73.5
	157	68	84	78	80	77	75	76	77	84	72.5
	286	79	87	87	94	87	81	81	79	94	82.5
40-10°	19	82	82	78	82	83	79	78	79	87	75.5
	145	84	84	77	81	81	77	77	79	86	74.5
	287	87	87	79	85	84	79	80	81	89	77.5
40-20°	28	92	92	83	84	84	81	81	82	90	78.5
	117	89	89	83	83	83	81	82	83	89	77.5
	278	87	87	82	83	81	78	80	84	88	76.5
45-35°	33	94	94	88	87	87	85	87	87	94	82.5
	117	93	93	86	88	87	85	86	88	93	81.5
	234	92	92	86	86	85	83	85	87	92	80.5
45°	33	93	93	89	90	89	86	87	89	95	83.5
	106	101	101	93	90	88	85	85	85	94	82.5
	200	108	108	95	92	89	86	84	84	97	85.5

RA-710-225-4 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

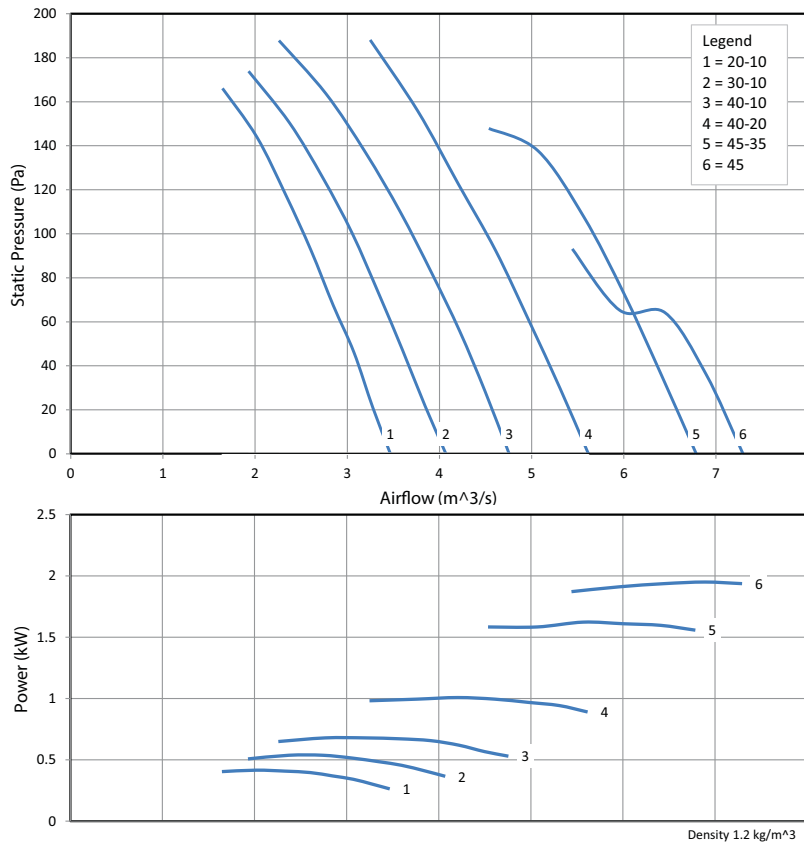


Blade Pitch	FEG
10	80
15-15	80
20-20	80
30-20	85
30-30	80
40-30	85
40-40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	3	74	76	77	75	72	71	70	70	79	67.5
	95	72	75	76	75	72	70	70	70	79	67.5
	162	75	79	83	82	77	74	73	73	84	72.5
20°	10	81	74	71	78	74	72	74	75	81	69.5
	92	80	71	70	76	73	71	75	76	81	69.5
	189	77	69	70	74	72	73	77	78	82	70.5
30-20°	12	84	73	74	80	77	73	75	75	83	71.5
	95	83	72	73	78	76	74	77	77	83	71.5
	204	83	72	73	76	75	73	77	78	83	71.5
40-30°	18	89	86	82	81	79	80	81	80	87	75.5
	105	89	84	81	81	79	79	81	81	87	75.5
	178	85	82	80	80	77	77	80	83	87	75.5
40°	22	91	87	84	84	81	81	83	82	89	77.5
	72	94	86	83	83	81	80	82	83	89	77.5
	127	93	85	81	82	79	79	82	85	88	76.5

RA-710-225-4 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

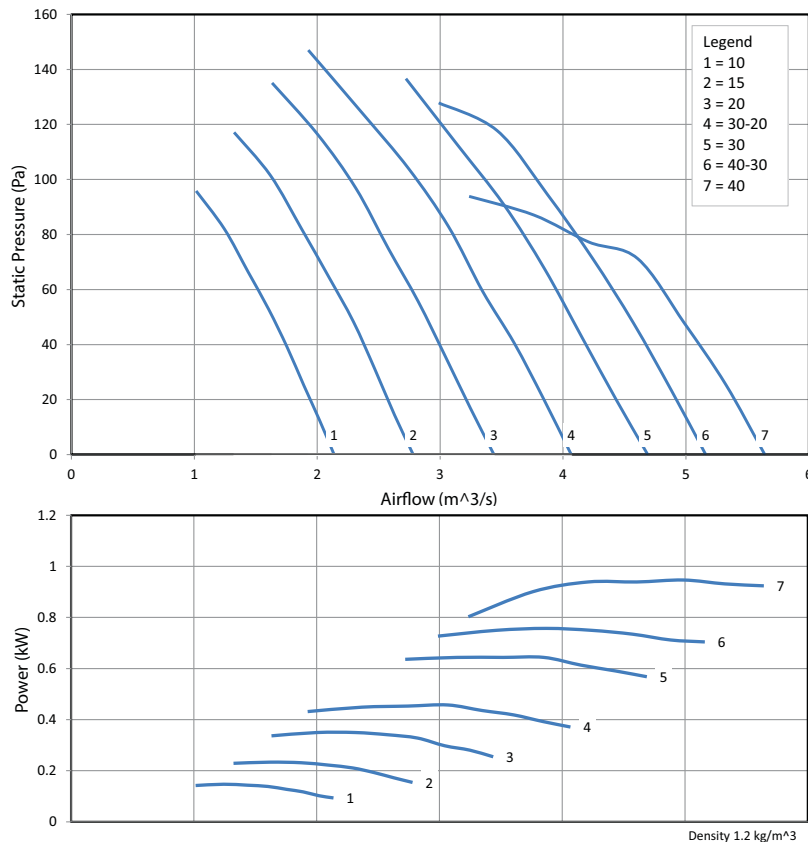


Blade Pitch	FEG
20-10	85
30-10	85
40-10	90
40-20	85
45-35	80
45-45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	6	74	75	78	77	74	71	71	72	80	68.5
	102	80	78	74	74	71	70	72	72	79	67.5
	187	83	82	85	87	81	76	76	74	87	75.5
40-10°	12	78	73	74	80	77	73	73	75	82	70.5
	95	79	71	73	78	75	72	73	75	81	69.5
	187	82	72	76	82	78	73	76	76	84	72.5
40-20°	18	88	81	79	80	79	76	77	78	85	73.5
	76	85	81	78	79	77	76	78	79	85	73.5
	181	82	78	77	78	75	74	77	80	84	72.5
45-35°	22	89	86	83	83	81	81	83	82	89	77.5
	76	88	83	82	83	81	80	82	83	89	77.5
	152	87	83	81	81	79	78	81	83	88	76.5
45°	22	88	85	85	86	83	82	84	84	90	78.5
	69	97	92	87	86	82	80	80	80	89	77.5
	131	103	95	89	87	84	80	79	79	90	78.5

RA-710-225-4 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

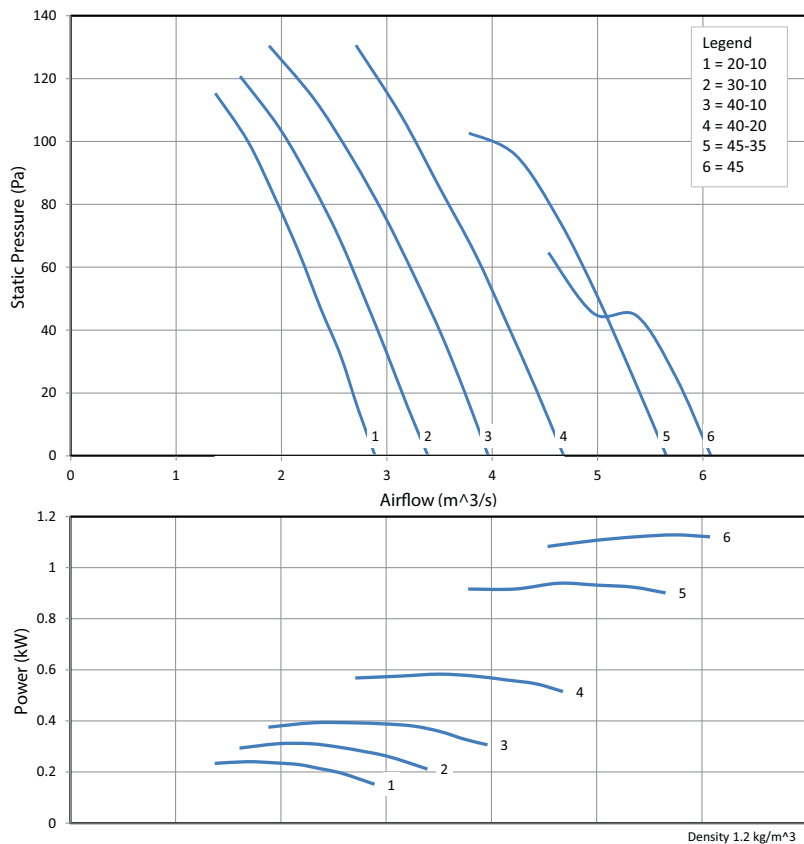


Blade Pitch	FEG
10	80
15-15	80
20-20	80
30-20	85
30-30	80
40-30	85
40-40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	2	70	73	72	70	68	67	66	65	74	62.5
	66	68	73	72	71	68	66	66	66	74	62.5
	113	71	77	80	77	71	70	69	69	79	67.5
20°	7	77	69	69	73	70	68	70	71	77	65.5
	64	76	67	68	72	68	68	72	72	77	65.5
	132	73	65	67	70	68	70	73	74	78	66.5
30-20°	9	80	69	71	75	72	69	71	71	78	66.5
	66	79	68	70	74	71	71	73	73	79	67.5
	142	79	68	69	72	71	70	74	75	79	67.5
40-30°	13	85	81	77	77	74	76	77	76	83	71.5
	73	85	78	77	77	74	76	78	77	84	72.5
	123	81	77	75	76	73	74	77	80	83	71.5
40°	15	87	81	80	80	76	77	79	78	85	73.5
	50	90	79	79	80	76	76	79	80	85	73.5
	88	89	79	77	78	74	75	79	81	85	73.5

RA-710-225-4 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

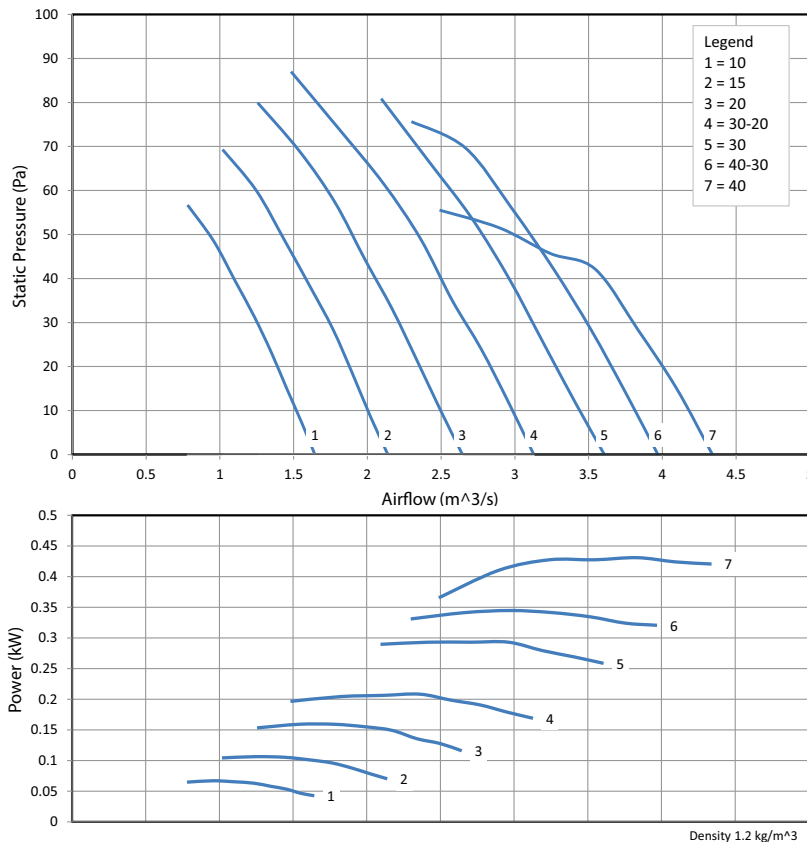


Blade Pitch	FEG
20-10	85
30-10	85
40-10	90
40-20	85
45-35	80
45-45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	4	70	72	74	72	69	67	67	68	76	64.5
	71	76	72	71	69	67	67	68	68	75	63.5
	130	79	78	82	82	75	72	71	70	82	70.5
40-10°	9	74	69	71	75	72	69	70	71	78	66.5
	66	75	68	70	73	70	68	69	71	77	65.5
	130	78	69	74	77	73	70	72	73	80	68.5
40-20°	13	84	75	74	77	74	71	73	74	81	69.5
	53	81	75	74	76	72	72	75	75	81	69.5
	126	78	73	74	75	69	70	74	76	80	68.5
45-35°	15	85	80	78	79	76	77	79	78	85	73.5
	53	84	77	79	79	76	76	79	79	85	73.5
	106	83	78	77	77	74	74	78	80	84	72.5
45°	15	84	80	81	82	78	78	81	80	87	75.5
	48	93	86	82	81	77	76	76	76	84	72.5
	91	99	88	84	82	79	76	75	75	85	73.5

RA-710-225-4 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

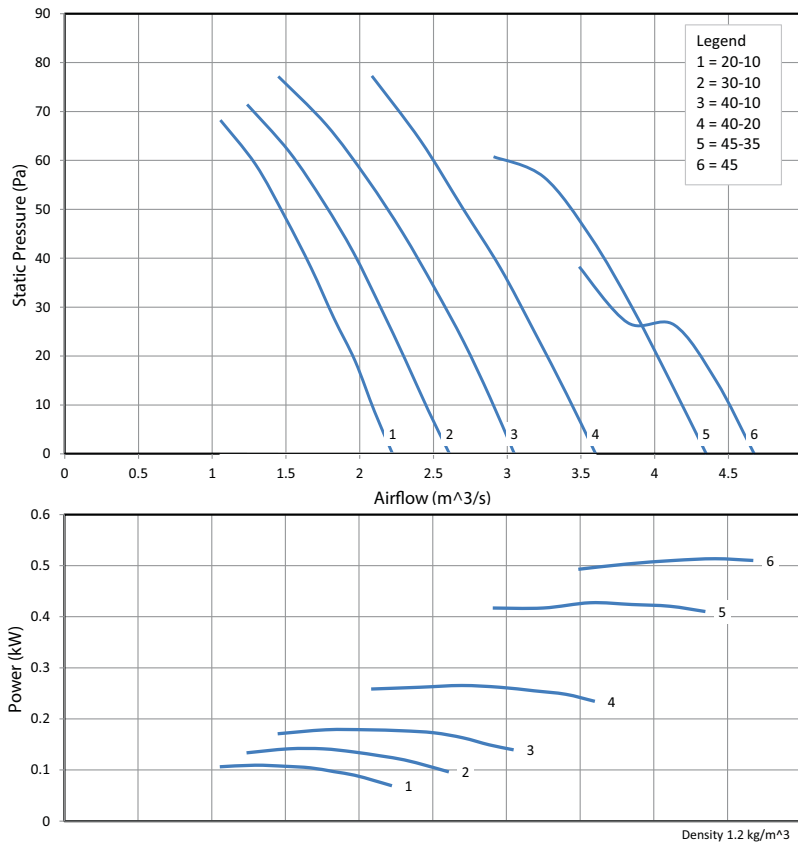


Blade Pitch	FEG
10	80
15-15	80
20-20	80
30-20	85
30-30	80
40-30	85
40-40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	1	65	68	66	63	61	61	60	60	68	56.5
	39	64	67	65	64	61	60	60	61	68	56.5
	67	67	72	74	70	64	64	63	63	73	61.5
20°	4	71	63	66	66	63	64	65	66	71	59.5
	38	70	61	65	64	62	64	66	67	72	60.5
	78	67	60	63	63	63	66	68	69	73	61.5
30-20°	5	75	64	68	69	65	64	65	65	73	61.5
	39	74	63	67	67	65	66	67	67	73	61.5
	84	73	63	65	66	64	66	68	69	74	62.5
40-30°	7	79	74	71	70	69	71	71	69	77	65.5
	43	80	72	71	70	69	71	72	71	78	66.5
	73	76	71	70	69	67	69	73	75	78	66.5
40°	9	81	75	74	73	71	72	73	72	79	67.5
	30	85	73	74	73	71	72	74	74	80	68.5
	52	83	72	72	71	69	71	74	77	80	68.5

RA-710-225-4 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

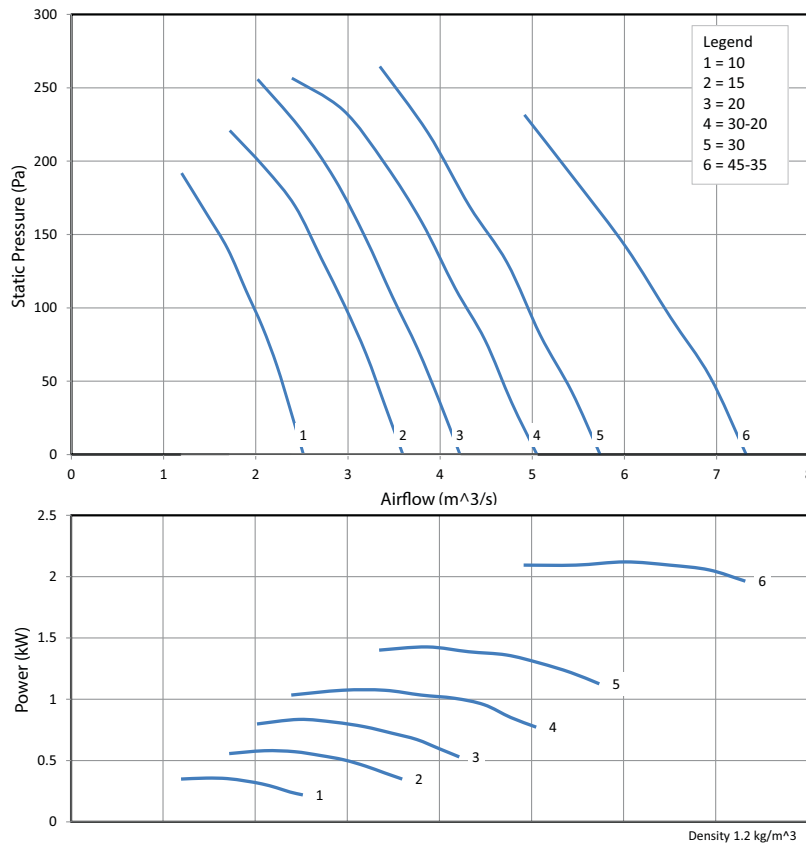


Blade Pitch	FEG
20-10	85
30-10	85
40-10	90
40-20	85
45-35	80
45-45	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	3	64	68	68	65	62	61	62	63	70	58.5
	42	70	64	66	63	60	62	62	63	69	57.5
	77	73	73	79	73	67	67	65	63	76	64.5
40-10°	5	68	64	68	68	65	63	64	66	72	60.5
	39	70	63	67	67	63	63	64	66	71	59.5
	77	73	65	70	70	65	65	67	67	74	62.5
40-20°	7	78	69	70	70	67	66	68	69	75	63.5
	31	75	69	69	69	66	67	69	69	75	63.5
	74	73	68	68	67	64	66	69	71	75	63.5
45-35°	9	80	74	73	72	71	72	73	72	79	67.5
	31	78	72	73	72	70	72	73	73	79	67.5
	63	77	72	72	71	69	70	73	74	79	67.5
45°	9	78	75	76	75	72	73	75	74	81	69.5
	28	87	79	76	74	71	70	70	70	78	66.5
	54	94	81	77	75	72	70	69	69	79	67.5

RA-710-225-6 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

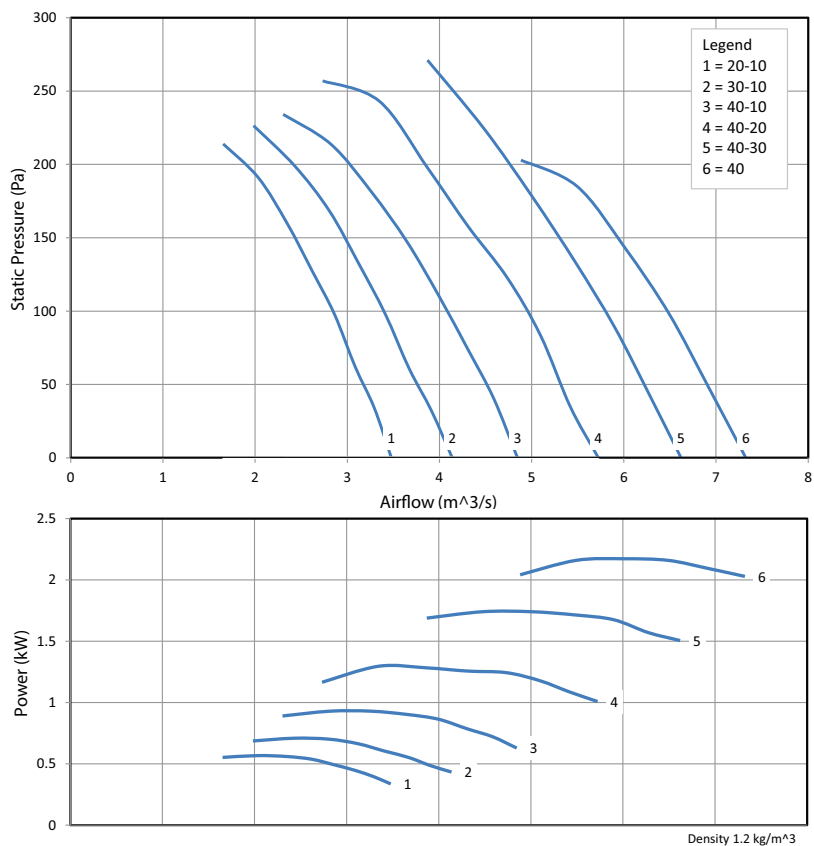


Blade Pitch	FEG
10	75
15-15	85
20-20	80
30-20	80
30-30	80
45-35	85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	11	75	85	86	85	85	84	83	82	91	79.5
	234	68	82	85	84	85	83	81	82	90	78.5
	427	76	83	83	92	95	88	84	82	97	85.5
20°	23	86	92	89	85	86	85	84	84	92	80.5
	291	84	94	90	84	85	83	84	85	92	80.5
	570	81	94	90	85	86	86	88	88	94	82.5
30-20°	33	92	93	92	89	90	87	87	87	95	83.5
	348	88	88	87	88	90	87	89	89	96	84.5
	572	89	89	88	88	90	88	91	91	97	85.5
30°	41	93	95	94	88	90	87	89	89	96	84.5
	307	92	93	92	88	90	88	91	91	97	85.5
	614	91	90	89	87	89	87	90	91	96	84.5
45-35°	58	94	94	93	92	94	93	94	94	100	88.5
	257	96	96	94	91	93	92	94	94	100	88.5
	506	97	97	96	90	91	90	93	94	99	87.5

RA-710-225-6 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

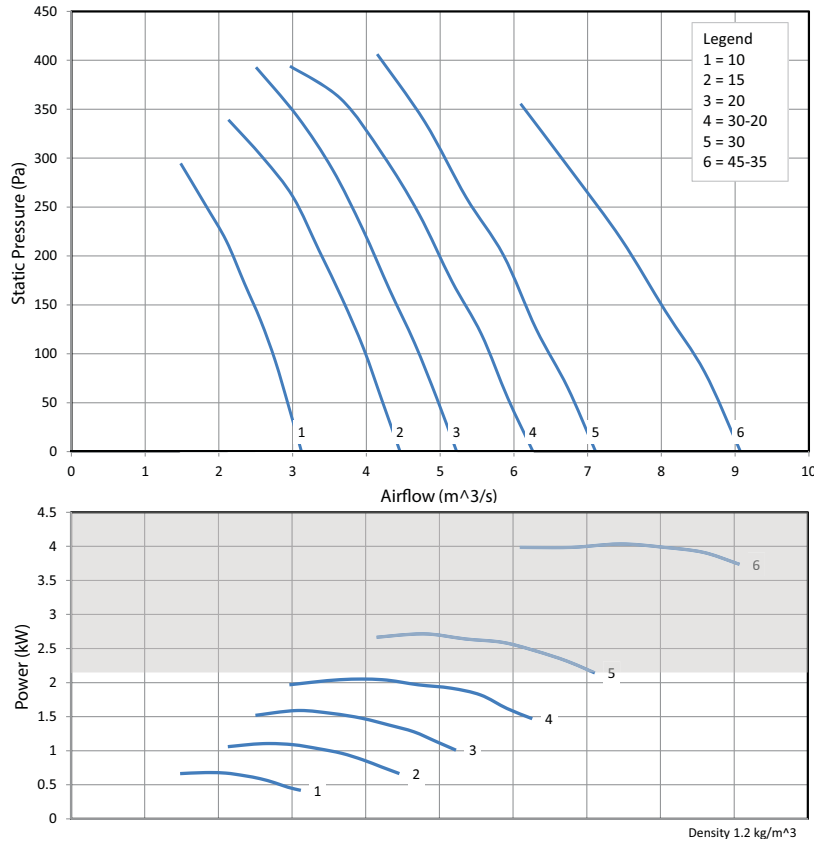


Blade Pitch	FEG
20-10	80
30-10	85
40-10	85
40-20	85
40-30	85
40-40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	17	76	85	84	84	86	86	85	84	92	80.5
	274	83	87	84	82	85	85	85	85	92	80.5
	570	90	93	92	91	88	88	90	88	96	84.5
40-10°	33	88	90	90	89	90	87	86	86	95	83.5
	315	86	86	85	86	88	86	86	86	93	81.5
	564	89	89	89	93	93	89	88	88	97	85.5
40-20°	58	90	92	92	89	90	88	88	87	95	83.5
	324	92	94	93	88	89	87	89	90	96	84.5
	564	91	92	91	87	88	88	91	91	97	85.5
40-30°	50	93	96	96	90	92	90	90	91	98	86.5
	315	93	95	95	89	91	89	92	92	98	86.5
	564	92	93	92	88	90	88	91	92	97	85.5
40°	58	95	96	96	93	94	92	94	94	100	88.5
	249	95	97	96	92	93	91	94	94	100	88.5
	489	94	95	94	91	92	90	92	94	99	87.5

RA-710-225-6 (1450 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	7	71	81	81	80	81	79	78	77	86	74.5
	157	64	77	83	79	81	77	77	77	86	74.5
	286	72	78	79	91	90	81	79	78	93	81.5
20°	15	81	87	82	82	82	80	79	80	88	76.5
	195	80	90	82	80	80	79	80	81	87	75.5
	383	77	90	83	82	81	82	84	83	90	78.5
30-20°	22	87	89	87	85	85	83	82	82	90	78.5
	234	84	83	83	85	84	83	85	84	91	79.5
	384	84	84	83	84	84	84	87	86	92	80.5
30°	28	88	91	88	85	85	83	84	84	91	79.5
	206	87	88	86	84	85	85	87	86	93	81.5
	412	86	86	84	83	84	84	86	86	92	80.5
45-35°	39	90	89	88	89	89	89	90	88	96	84.5
	173	92	91	89	88	88	88	90	89	96	84.5
	340	93	93	90	86	86	87	89	89	95	83.5



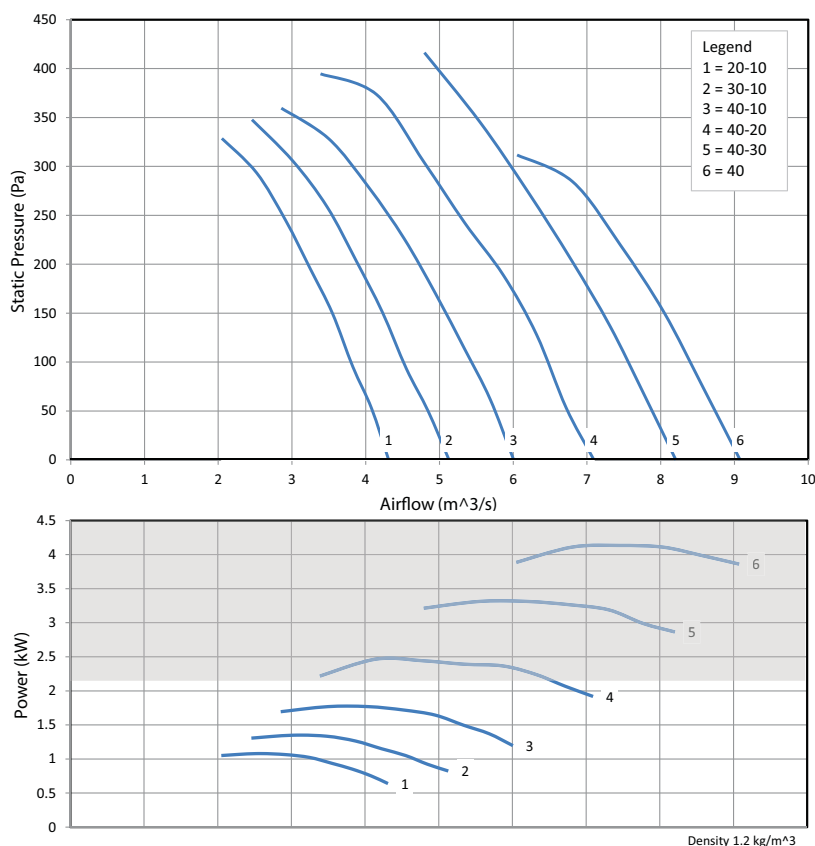
Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.



Blade Pitch	FEG
10	75
15-15	85
20-20	80
30-20	80
30-30	80
45-35	85

RA-710-225-6 (1450 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

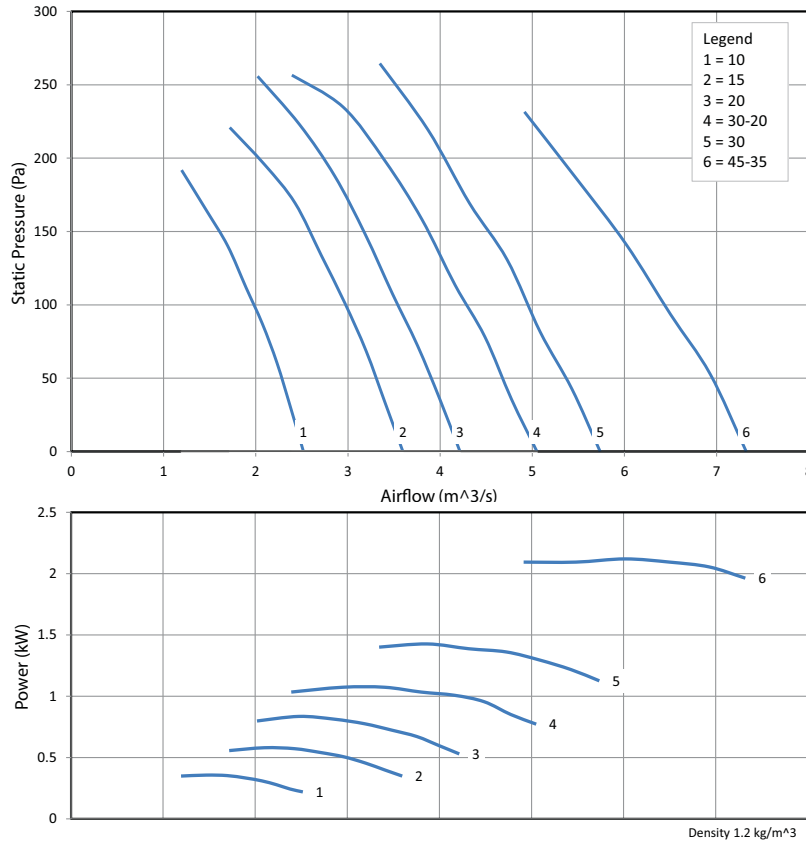


Blade Pitch	FEG
20-10	80
30-10	85
40-10	85
40-20	85
40-30	85
40-40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	11	71	81	79	80	82	81	81	80	88	76.5
	184	78	83	78	79	80	81	80	80	87	75.5
	383	86	88	88	86	83	84	85	83	92	80.5
40-10°	22	84	86	85	85	85	82	82	81	90	78.5
	211	81	81	81	82	83	81	82	82	89	77.5
	379	85	85	86	89	88	84	84	83	93	81.5
40-20°	39	86	88	86	85	85	83	83	83	91	79.5
	217	88	89	87	84	84	84	85	85	91	79.5
	379	86	88	86	83	84	85	87	86	92	80.5
40-30°	33	88	92	89	87	87	85	86	86	93	81.5
	211	89	91	88	85	86	86	88	87	94	82.5
	379	87	88	87	85	85	85	87	87	93	81.5
40°	39	91	92	90	89	89	88	90	89	96	84.5
	167	90	92	90	88	88	88	90	89	96	84.5
	328	90	90	89	87	87	86	88	89	95	83.5

RA-710-225-6 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

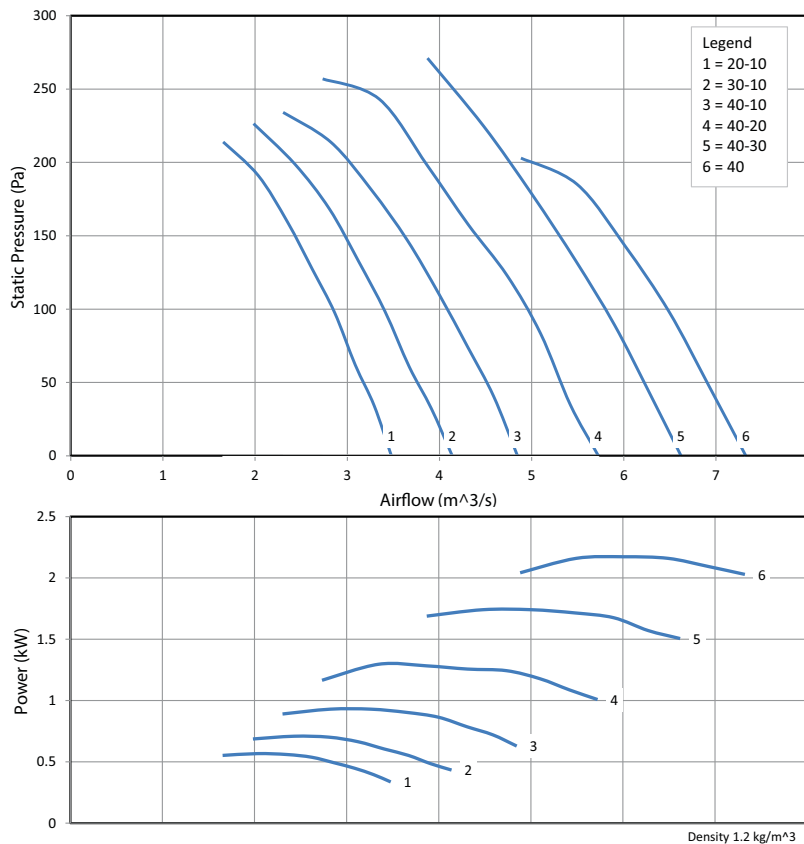


Blade Pitch	FEG
10	75
15-15	85
20-20	80
30-20	80
30-30	80
45-35	85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	5	69	76	76	76	76	74	73	72	81	69.5
	102	63	74	77	75	75	73	73	73	81	69.5
	187	69	74	78	86	83	76	74	73	87	75.5
20°	10	77	83	75	78	77	74	75	75	83	71.5
	127	75	85	74	77	75	74	76	76	83	71.5
	249	72	85	75	78	76	78	80	78	85	73.5
30-20°	14	83	84	81	81	79	78	78	77	86	74.5
	152	79	78	78	81	78	79	80	79	86	74.5
	250	80	79	78	80	79	81	82	80	88	76.5
30°	18	84	86	81	81	79	79	80	79	87	75.5
	134	83	84	80	81	79	81	82	80	88	76.5
	268	82	80	78	79	78	80	82	81	88	76.5
45-35°	25	85	84	83	85	84	84	85	83	91	79.5
	112	87	86	83	84	83	84	85	83	91	79.5
	221	88	88	83	82	81	83	85	83	90	78.5

RA-710-225-6 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

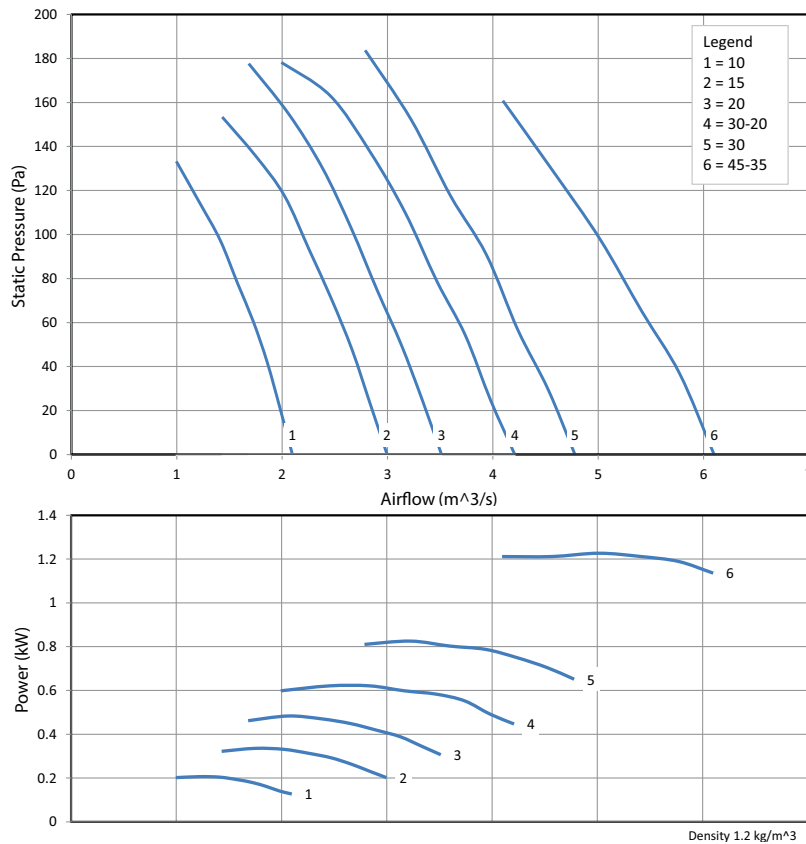


Blade Pitch	FEG
20-10	80
30-10	85
40-10	85
40-20	85
40-30	85
40-40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	7	67	76	73	77	77	76	76	75	83	71.5
	120	74	78	71	75	76	76	76	75	83	71.5
	249	81	84	83	81	78	81	81	77	87	75.5
40-10°	14	79	81	80	81	79	77	77	76	85	73.5
	138	77	76	76	79	78	77	77	77	84	72.5
	246	80	80	82	85	82	79	79	78	88	76.5
40-20°	25	81	83	81	81	79	79	79	78	86	74.5
	141	83	85	80	80	79	79	81	80	87	75.5
	246	82	83	79	79	79	81	82	80	88	76.5
40-30°	22	84	87	83	83	81	81	82	81	89	77.5
	138	84	86	82	82	81	82	83	81	89	77.5
	246	83	84	80	80	79	81	83	82	88	76.5
40°	25	86	87	84	85	83	84	85	83	91	79.5
	109	86	88	84	84	83	84	85	83	91	79.5
	214	85	86	83	83	81	82	84	83	90	78.5

RA-710-225-6 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

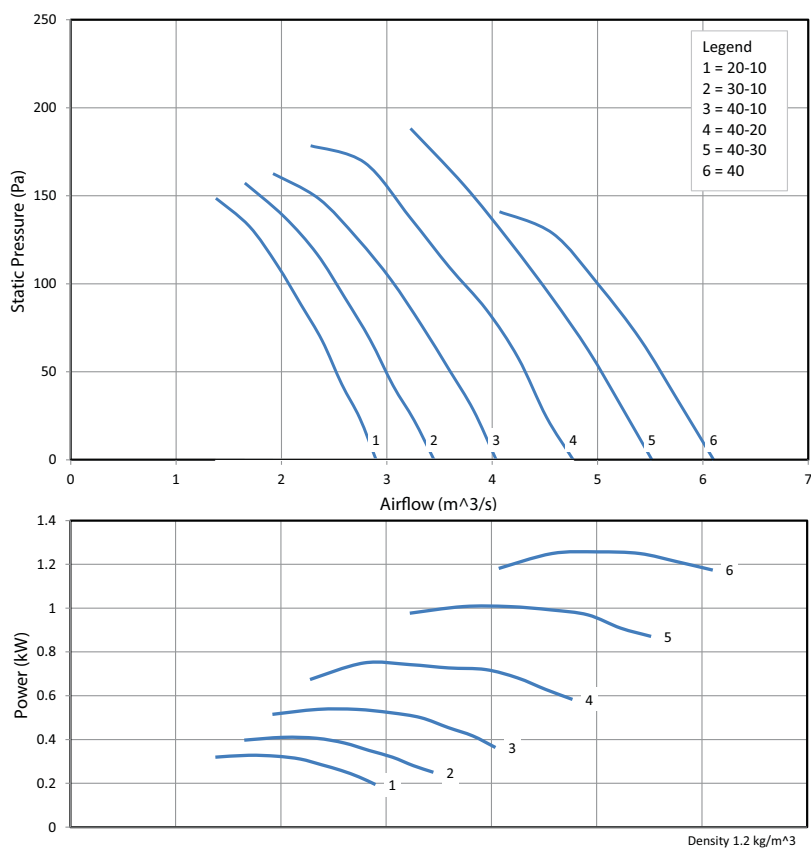


Blade Pitch	FEG
10	75
15-15	85
20-20	80
30-20	80
30-30	80
45-35	85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	3	68	73	72	72	72	70	69	68	77	65.5
	71	63	72	72	71	70	69	69	69	76	64.5
	130	67	70	77	82	76	71	70	68	82	70.5
20°	7	74	79	72	74	72	71	71	71	79	67.5
	88	74	81	71	72	71	71	72	72	79	67.5
	173	72	81	72	74	73	74	75	73	81	69.5
30-20°	10	79	80	76	77	74	74	74	73	81	69.5
	106	75	73	75	78	73	76	76	75	83	71.5
	174	76	75	74	77	74	78	78	76	84	72.5
30°	13	80	82	75	77	74	75	76	75	83	71.5
	93	79	80	75	78	75	78	78	76	84	72.5
	186	78	76	74	76	74	77	78	77	84	72.5
45-35°	18	81	80	79	81	79	81	81	78	87	75.5
	78	83	81	78	80	78	81	81	78	87	75.5
	153	84	84	77	79	77	80	81	79	86	74.5

RA-710-225-6 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

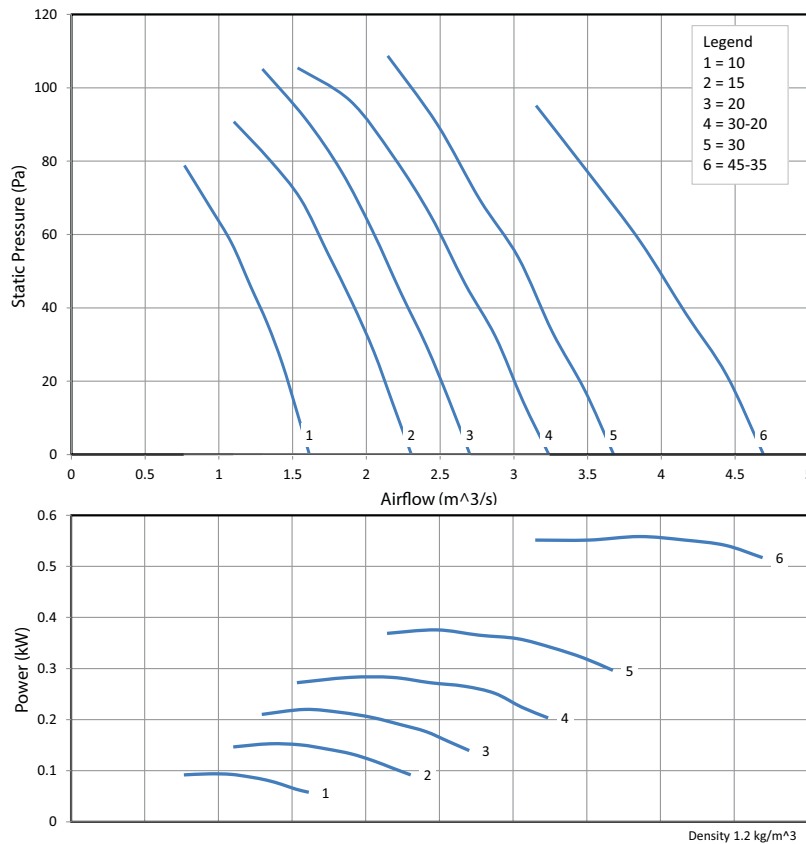


Blade Pitch	FEG
20-10	80
30-10	85
40-10	85
40-20	85
40-30	85
40-40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	5	65	72	70	73	73	72	71	70	79	67.5
	83	71	74	68	72	72	72	72	71	79	67.5
	173	78	80	78	76	75	77	76	73	83	71.5
40-10°	10	75	77	76	77	75	73	73	72	81	69.5
	96	73	72	72	76	73	73	73	73	80	68.5
	171	76	75	79	81	77	75	75	74	83	71.5
40-20°	18	77	79	76	77	75	75	75	74	82	70.5
	98	79	81	75	76	74	76	77	75	83	71.5
	171	78	79	74	76	75	78	78	76	84	72.5
40-30°	15	80	83	77	80	76	77	78	76	85	73.5
	96	80	82	76	78	76	79	79	77	85	73.5
	171	79	80	75	77	75	78	79	77	85	73.5
40°	18	82	83	79	81	79	81	81	79	87	75.5
	75	82	84	79	81	78	81	81	79	87	75.5
	148	81	82	78	79	77	79	81	79	86	74.5

RA-710-225-6 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

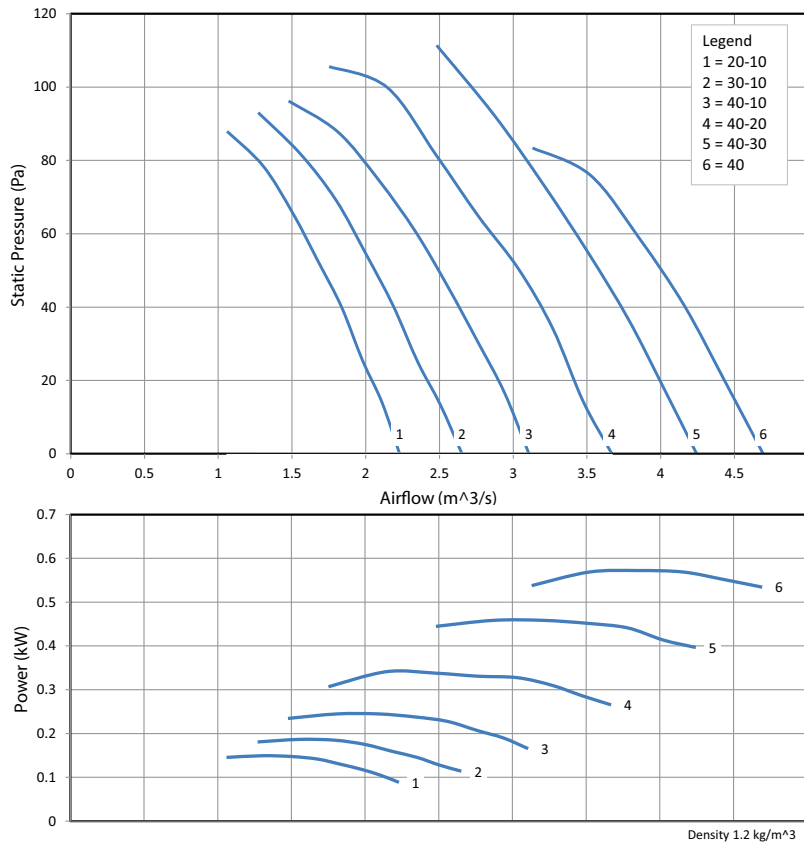


Blade Pitch	FEG
10	75
15-15	85
20-20	80
30-20	80
30-30	80
45-35	85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	2	67	67	66	67	65	64	63	61	71	59.5
	42	63	68	65	67	63	63	63	64	71	59.5
	77	64	65	76	76	67	65	63	62	76	64.5
20°	4	73	68	67	68	65	65	65	65	73	61.5
	52	75	68	66	66	65	66	66	66	73	61.5
	102	75	69	67	67	68	69	69	67	75	63.5
30-20°	6	74	73	71	71	68	68	68	67	75	63.5
	63	69	68	70	70	69	70	70	69	77	65.5
	103	70	69	70	70	70	72	71	69	78	66.5
30°	7	77	74	70	70	69	70	70	68	77	65.5
	55	74	72	70	71	70	72	72	70	78	66.5
	110	71	70	69	70	69	72	72	71	78	66.5
45-35°	10	75	74	74	75	74	75	74	71	81	69.5
	46	77	74	73	74	74	76	74	71	81	69.5
	91	78	76	72	72	72	75	75	72	81	69.5

RA-710-225-6 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

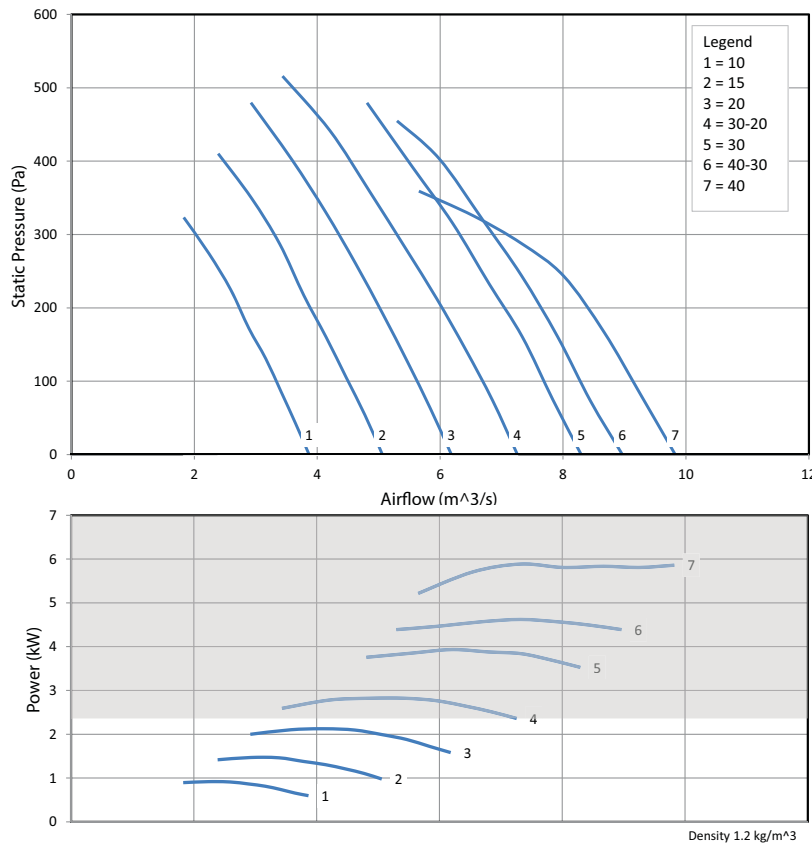


Blade Pitch	FEG
20-10	80
30-10	85
40-10	85
40-20	85
40-30	85
40-40	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	3	66	65	66	67	67	66	65	64	73	61.5
	49	69	64	64	66	66	66	66	65	73	61.5
	102	74	73	72	69	70	71	69	66	77	65.5
40-10°	6	71	71	71	71	68	67	67	66	75	63.5
	57	67	67	68	69	67	67	68	67	74	62.5
	101	70	71	74	74	70	69	69	67	77	65.5
40-20°	10	74	72	70	71	69	69	69	68	76	64.5
	58	75	73	70	70	69	71	71	69	77	65.5
	101	74	71	69	70	70	72	71	69	78	66.5
40-30°	9	78	75	72	73	71	72	72	70	79	67.5
	57	77	74	71	72	72	73	72	70	79	67.5
	101	74	72	70	70	70	73	73	71	79	67.5
40°	10	77	76	74	75	74	75	74	72	81	69.5
	45	78	76	74	74	73	75	74	72	81	69.5
	88	76	75	73	73	72	74	75	73	80	68.5

RA-710-325-225-4 (1770 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	7	75	85	90	83	82	80	80	80	89	77.5
	187	70	83	87	81	82	79	79	80	88	76.5
	399	77	87	93	88	86	82	83	83	92	80.5
20°	17	77	88	88	87	85	80	80	81	90	78.5
	254	73	85	88	84	82	78	80	83	89	77.5
	473	77	86	89	87	87	81	83	85	92	80.5
30-20°	22	82	87	88	88	86	83	82	83	92	80.5
	234	79	87	88	87	84	83	83	84	91	79.5
	486	80	84	85	86	84	83	85	86	92	80.5
40-30°	40	96	96	88	88	89	87	88	90	95	83.5
	217	91	91	85	86	88	87	88	90	95	83.5
	433	91	91	88	86	88	85	86	90	94	82.5
40°	40	96	96	89	89	91	89	89	91	97	85.5
	222	94	94	89	87	89	88	88	91	96	84.5
	353	102	102	97	95	93	90	88	89	99	87.5



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

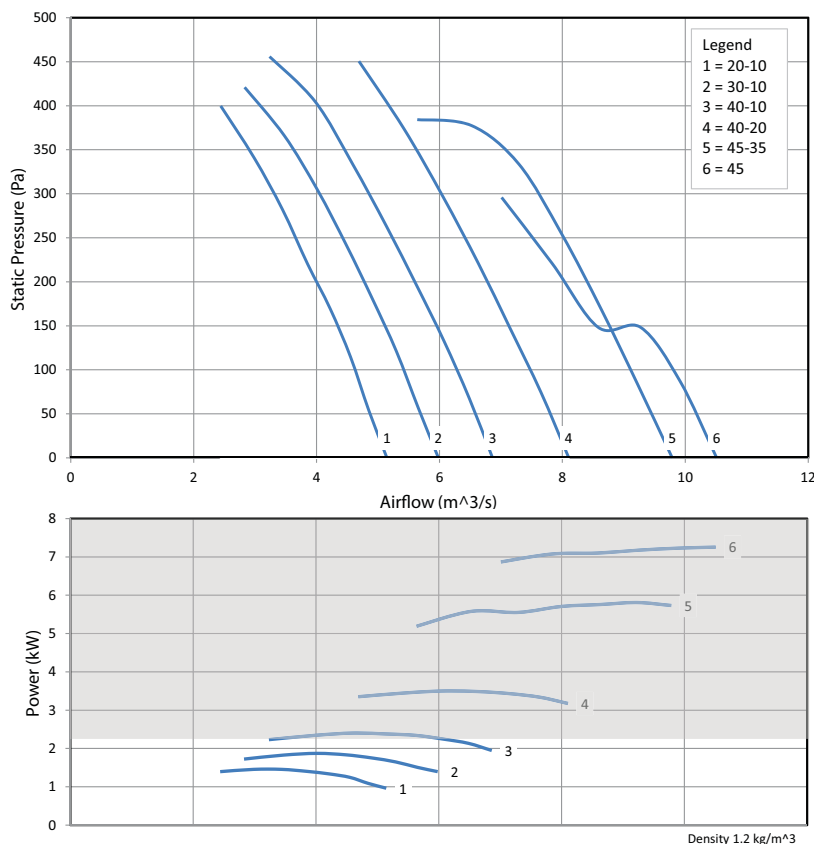
Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.



Blade Pitch	FEG
10	75
15-15	80
20-20	80
30-20	80
30-30	75
40-30	75
40-40	71

RA-710-325-225-4 (1770 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).



Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

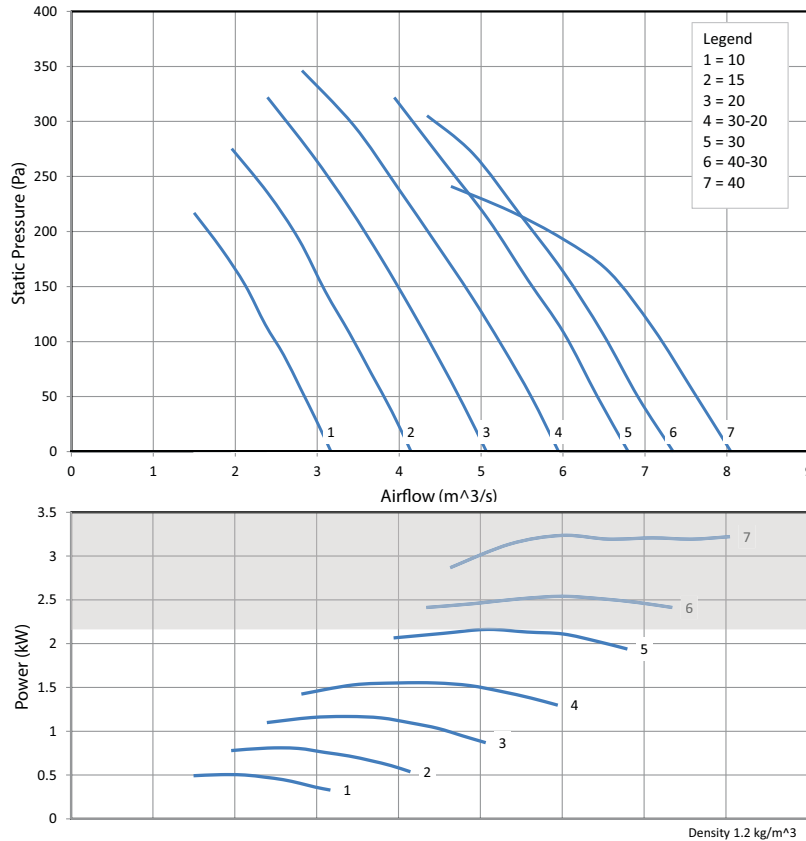


Blade Pitch	FEG
20-10	80
30-10	80
40-10	85
40-20	80
45-35	75
45-45	67

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	10	76	86	89	86	85	81	80	81	90	78.5
	254	70	86	85	83	82	79	81	82	88	76.5
	463	84	90	93	89	87	83	86	85	93	81.5
40-10°	17	79	87	87	88	89	85	83	81	93	81.5
	212	76	86	84	87	87	84	84	81	92	80.5
	441	88	87	100	99	94	88	88	87	100	88.5
40-20°	22	83	89	91	90	87	84	83	83	93	81.5
	241	80	88	90	89	86	84	85	86	93	81.5
	449	80	82	87	87	84	83	84	87	92	80.5
45-35°	40	92	92	90	89	91	89	89	91	97	85.5
	148	94	94	89	88	91	88	89	91	96	84.5
	353	92	92	88	88	89	87	87	90	95	83.5
45°	34	95	95	90	90	92	90	90	93	98	86.5
	234	102	102	96	94	93	90	88	89	98	86.5
	348	108	108	99	97	95	91	88	88	101	89.5

RA-710-325-225-4 (1450 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	5	73	82	84	79	77	76	76	76	84	72.5
	125	69	80	81	77	77	75	75	76	83	71.5
	268	76	84	87	84	81	78	79	79	87	75.5
20°	12	76	84	84	82	79	76	76	77	85	73.5
	171	73	82	82	79	77	74	77	79	84	72.5
	318	75	82	84	83	81	77	79	81	87	75.5
30-20°	15	78	83	85	84	81	78	78	79	87	75.5
	157	75	83	84	82	79	78	79	80	87	75.5
	326	76	80	80	82	79	79	81	82	88	76.5
40-30°	27	92	92	83	84	84	83	84	85	91	79.5
	145	86	86	80	83	83	82	85	86	91	79.5
	291	87	87	82	83	83	81	84	86	90	78.5
40°	27	92	92	84	86	86	84	86	87	93	81.5
	149	90	90	83	84	85	83	85	87	92	80.5
	237	98	98	92	90	88	85	84	84	94	82.5



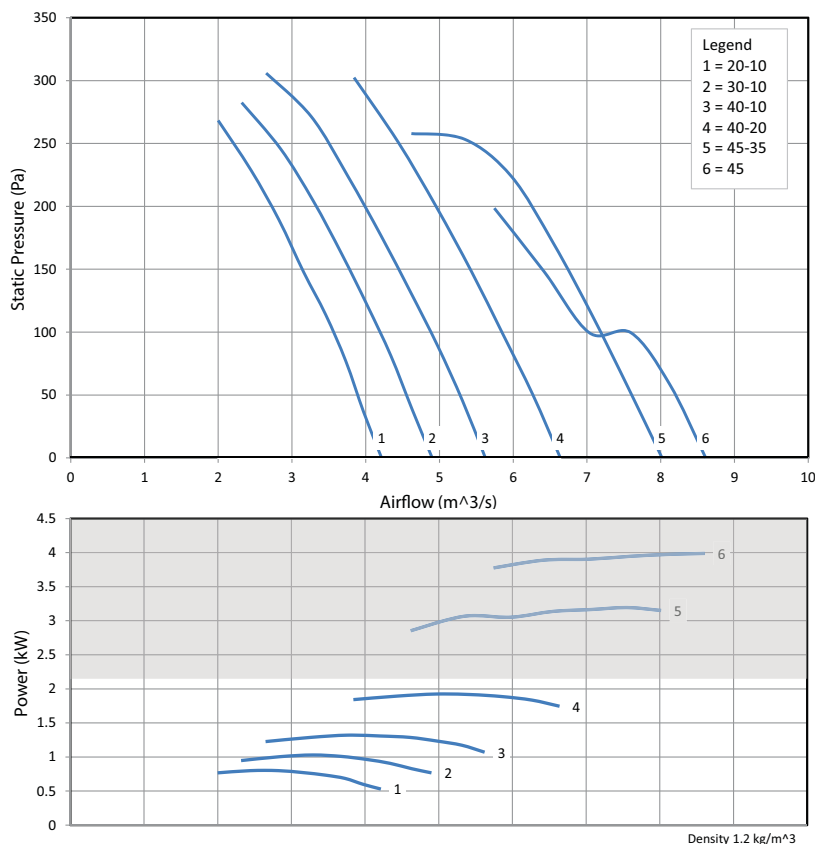
Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.



Blade Pitch	FEG
10	75
15-15	80
20-20	80
30-20	80
30-30	75
40-30	75
40-40	71

RA-710-325-225-4 (1450 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

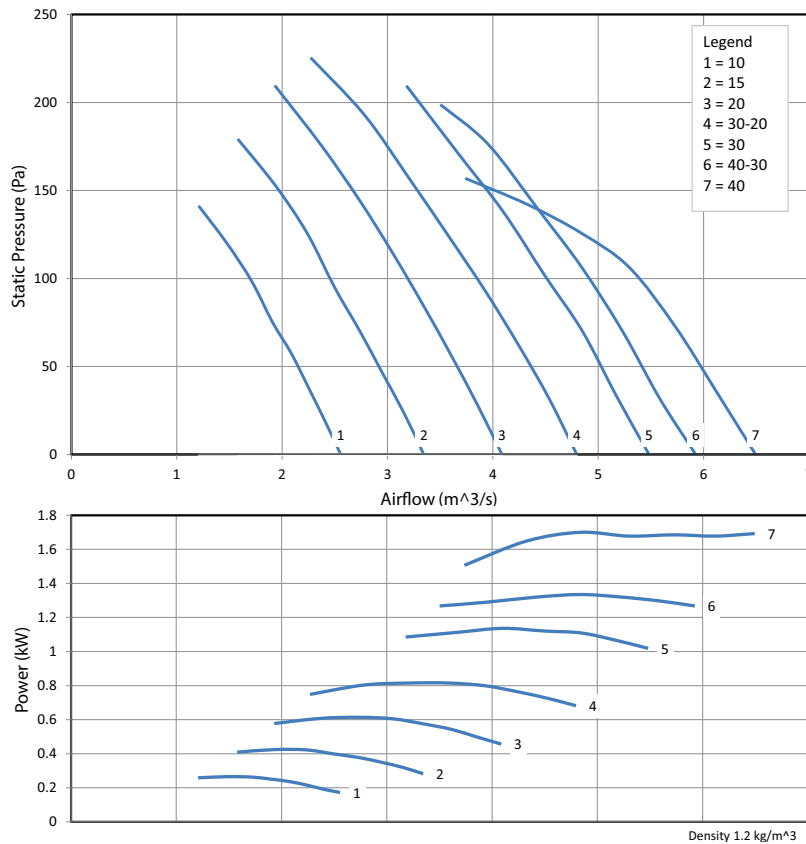


Blade Pitch	FEG
20-10	80
30-10	80
40-10	85
40-20	80
45-35	75
45-45	67

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	7	74	82	84	81	79	76	76	77	85	73.5
	171	70	81	80	79	77	75	77	78	84	72.5
	311	81	86	88	84	81	79	81	81	89	77.5
40-10°	12	77	83	83	84	84	80	78	77	88	76.5
	142	74	82	80	82	82	80	79	76	87	75.5
	296	83	87	95	93	88	83	83	82	95	83.5
40-20°	15	79	85	88	85	82	79	78	79	88	76.5
	162	76	83	87	84	80	79	81	82	88	76.5
	301	76	78	85	82	79	78	81	83	88	76.5
45-35°	27	88	88	84	86	86	84	86	87	93	81.5
	99	89	89	83	86	86	83	85	87	92	80.5
	237	87	87	83	85	85	82	84	87	91	79.5
45°	23	91	91	85	87	88	85	87	89	94	82.5
	157	97	97	91	90	88	84	84	84	94	82.5
	233	104	104	94	93	90	86	84	84	96	84.5

RA-710-325-225-4 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

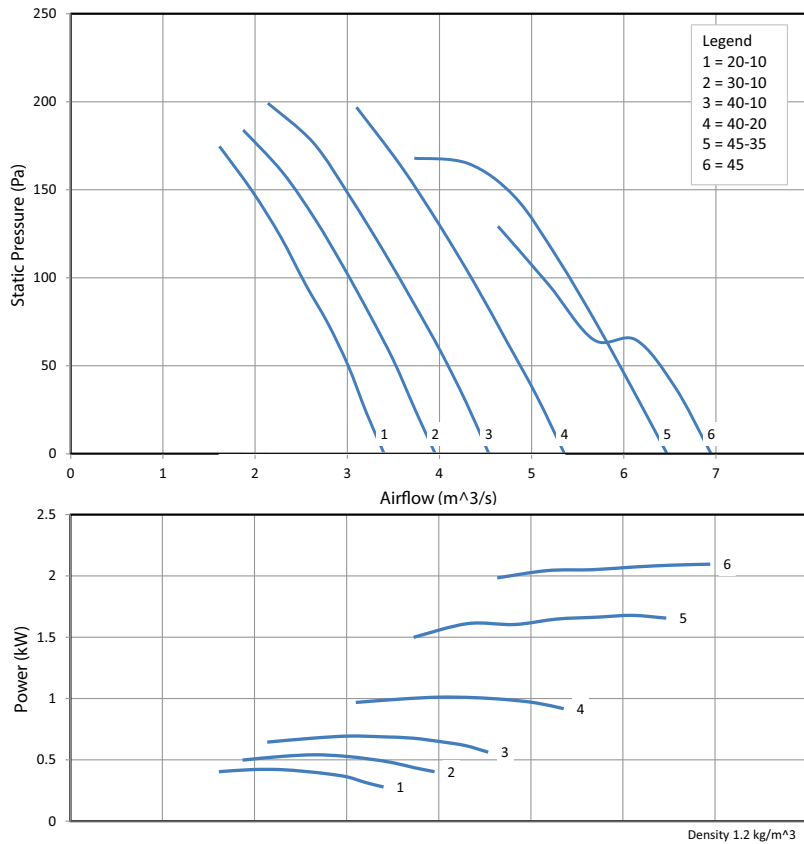


Blade Pitch	FEG
10	75
15-15	80
20-20	80
30-20	80
30-30	75
40-30	75
40-40	71

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	3	76	79	77	74	72	71	71	71	79	67.5
	82	74	76	74	73	71	70	71	72	78	66.5
	174	78	82	81	78	75	74	74	74	82	70.5
20°	8	79	79	78	77	73	71	71	72	80	68.5
	111	76	78	77	74	71	70	73	75	80	68.5
	207	77	79	79	78	74	73	75	77	83	71.5
30-20°	10	78	79	80	78	75	74	73	74	82	70.5
	102	78	78	79	77	74	74	75	76	82	70.5
	212	75	75	76	76	75	75	77	78	83	71.5
40-30°	17	87	80	77	81	79	78	81	80	87	75.5
	95	82	77	75	80	78	77	81	81	87	75.5
	189	82	81	76	80	77	75	81	82	86	74.5
40°	17	87	82	78	82	81	79	83	82	88	76.5
	97	85	82	77	81	80	77	82	83	87	75.5
	154	93	89	86	85	83	79	80	79	89	77.5

RA-710-325-225-4 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

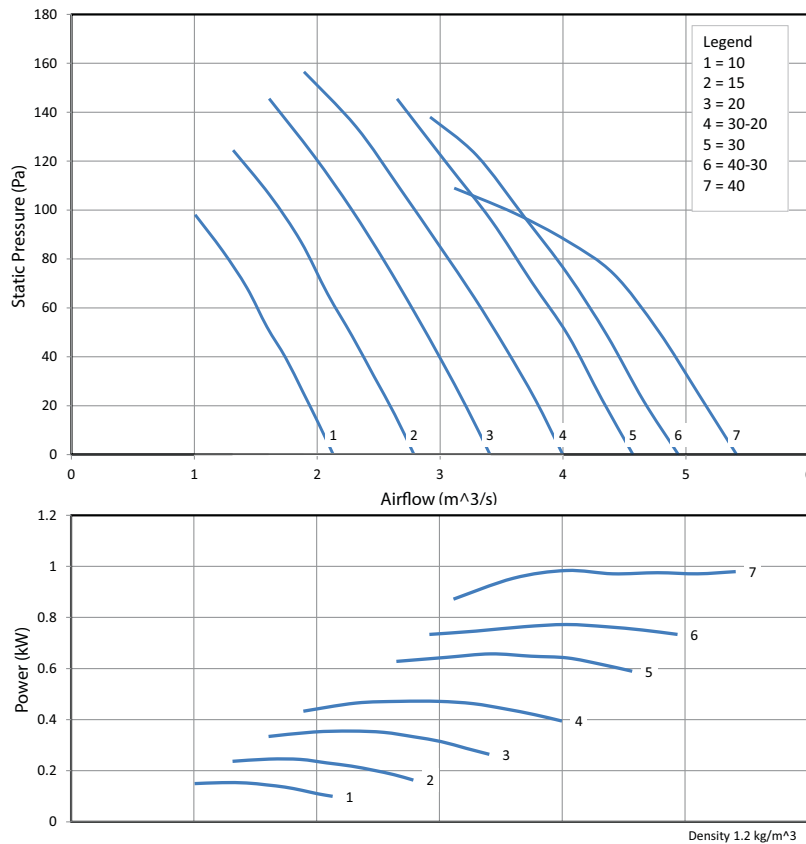


Blade Pitch	FEG
20-10	80
30-10	80
40-10	85
40-20	80
45-35	75
45-45	67

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	4	77	79	78	76	73	71	71	72	80	68.5
	111	77	76	75	74	71	71	73	74	79	67.5
	203	81	83	82	79	75	75	76	76	84	72.5
40-10°	8	78	78	79	80	78	75	73	72	83	71.5
	92	77	76	77	78	76	75	73	71	82	70.5
	193	78	86	90	87	81	79	78	78	89	77.5
40-20°	10	80	81	82	80	76	74	74	75	83	71.5
	105	79	80	81	78	75	75	76	77	83	71.5
	196	73	76	80	77	74	74	77	79	83	71.5
45-35°	17	83	82	78	83	81	79	82	82	88	76.5
	65	85	82	77	83	80	78	82	82	88	76.5
	154	83	80	77	81	79	76	81	82	87	75.5
45°	15	86	82	80	84	83	80	84	84	90	78.5
	102	93	88	85	85	82	79	80	80	88	76.5
	152	99	92	89	88	84	79	79	79	90	78.5

RA-710-325-225-4 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

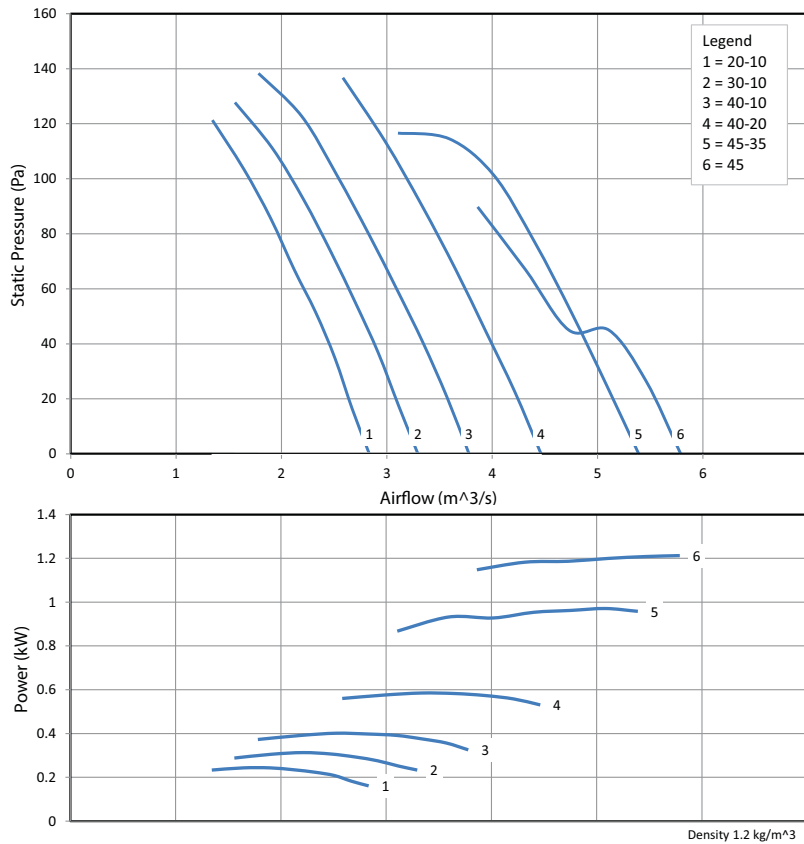


Blade Pitch	FEG
10	75
15-15	80
20-20	80
30-20	80
30-30	75
40-30	75
40-40	71

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	2	72	76	71	70	67	67	67	67	75	63.5
	57	70	73	69	69	67	66	67	68	74	62.5
	121	74	79	76	74	69	70	70	70	78	66.5
20°	5	75	75	74	72	68	67	68	68	76	64.5
	77	73	74	72	70	66	67	70	72	76	64.5
	144	73	75	74	74	69	70	72	74	79	67.5
30-20°	7	74	75	75	73	71	69	70	70	78	66.5
	71	74	75	74	72	70	70	71	72	78	66.5
	147	71	72	73	72	71	72	73	75	80	68.5
40-30°	12	83	75	74	76	75	75	77	76	83	71.5
	66	78	72	73	76	74	74	77	77	83	71.5
	132	78	76	73	75	73	73	77	78	83	71.5
40°	12	83	77	75	78	76	76	79	78	84	72.5
	68	81	77	74	77	75	74	78	79	84	72.5
	107	89	84	82	81	78	75	76	75	84	72.5

RA-710-325-225-4 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

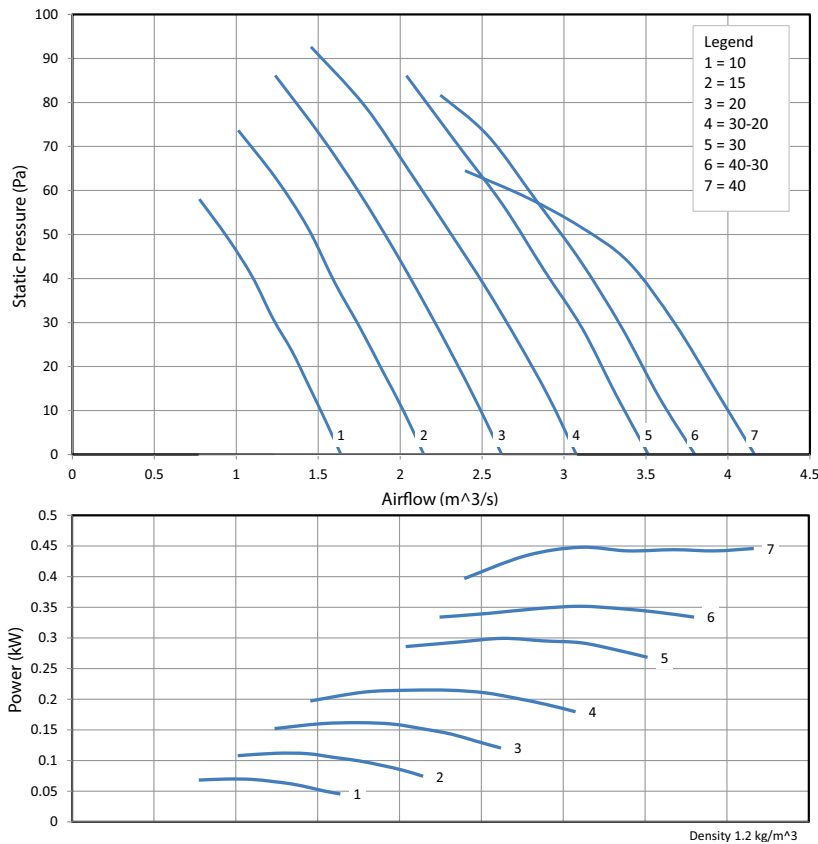


Blade Pitch	FEG
20-10	80
30-10	80
40-10	85
40-20	80
45-35	75
45-45	67

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	3	73	75	73	72	68	67	68	68	76	64.5
	77	73	72	71	69	66	68	69	70	75	63.5
	140	77	80	77	74	70	72	72	72	79	67.5
40-10°	5	74	74	75	76	73	70	69	67	78	66.5
	64	73	71	73	74	72	71	69	66	78	66.5
	134	74	85	86	82	76	75	74	73	84	72.5
40-20°	7	76	78	78	75	72	70	70	71	79	67.5
	73	75	77	76	73	71	71	73	73	79	67.5
	136	69	73	75	72	70	71	74	76	80	68.5
45-35°	12	79	77	75	79	76	76	78	78	84	72.5
	45	81	77	75	78	76	75	78	78	84	72.5
	107	79	75	74	77	75	74	77	79	83	71.5
45°	10	82	78	77	80	78	77	80	80	86	74.5
	71	89	84	81	80	77	75	76	76	84	72.5
	106	95	87	85	83	79	75	75	76	85	73.5

RA-710-325-225-4 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

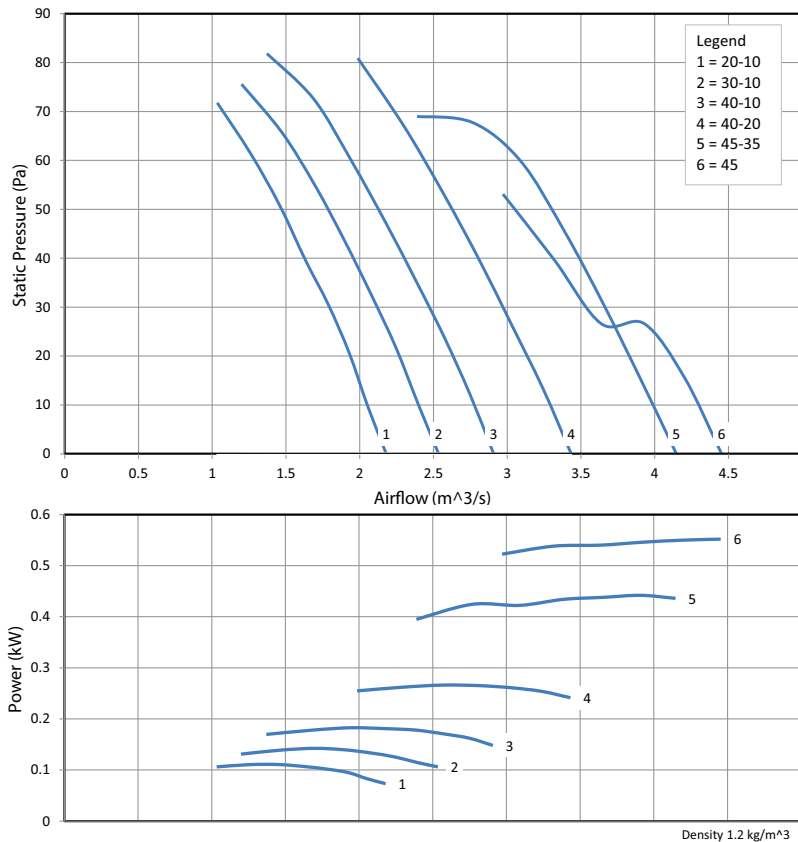


Blade Pitch	FEG
10	75
15-15	80
20-20	80
30-20	80
30-30	75
40-30	75
40-40	71

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	1	68	70	65	63	61	62	62	62	69	57.5
	34	65	67	63	63	61	61	62	63	69	57.5
	71	70	73	69	67	63	65	65	65	72	60.5
20°	3	69	69	68	65	62	61	62	63	70	58.5
	46	67	68	65	63	60	62	65	67	71	59.5
	85	68	70	68	67	63	65	67	69	73	61.5
30-20°	4	69	70	69	67	64	63	64	65	72	60.5
	42	68	69	68	65	64	65	66	67	72	60.5
	87	66	66	67	65	65	67	68	69	74	62.5
40-30°	7	77	69	70	70	69	70	71	71	77	65.5
	39	72	66	69	69	68	70	72	72	77	65.5
	78	73	68	69	68	66	69	72	73	77	65.5
40°	7	78	70	71	72	70	72	73	73	79	67.5
	40	75	69	70	70	68	70	73	73	78	66.5
	64	83	77	76	74	71	70	70	70	78	66.5

RA-710-325-225-4 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

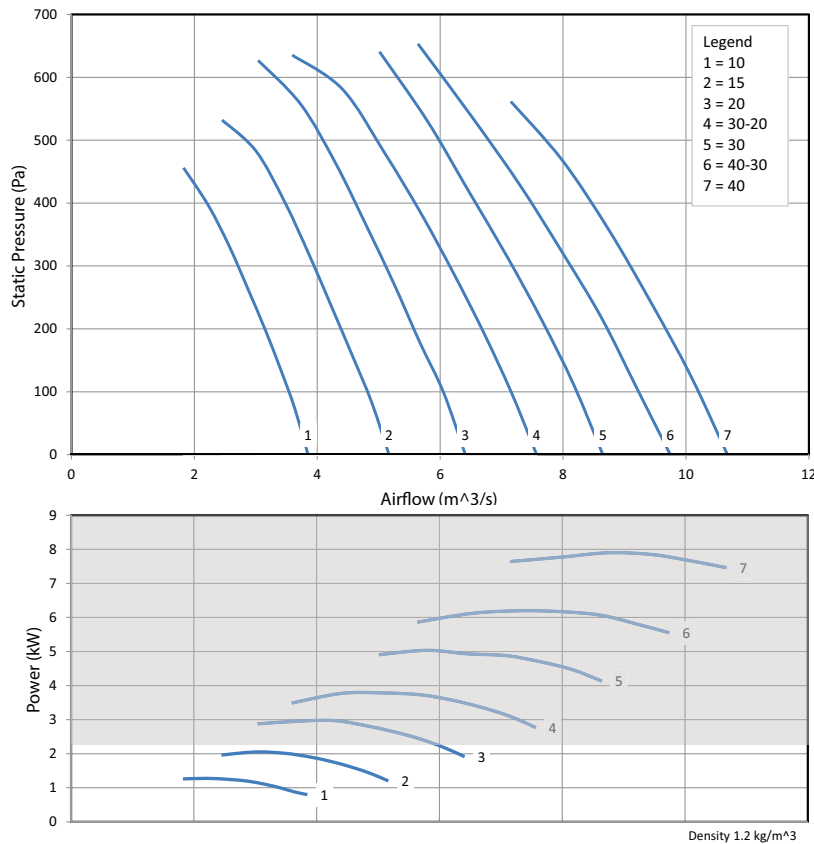


Blade Pitch	FEG
20-10	80
30-10	80
40-10	85
40-20	80
45-35	75
45-45	67

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	2	68	69	67	65	62	61	62	63	70	58.5
	46	67	66	64	63	61	63	64	65	70	58.5
	83	72	74	70	67	65	67	66	66	74	62.5
40-10°	3	69	68	70	69	66	64	62	61	72	60.5
	38	67	66	68	67	66	64	62	60	71	59.5
	79	72	81	79	74	69	69	68	67	78	66.5
40-20°	4	70	73	71	68	65	64	65	66	73	61.5
	43	69	72	70	66	65	66	67	68	74	62.5
	81	64	70	68	65	64	66	69	71	75	63.5
45-35°	7	74	70	71	72	70	72	73	72	79	67.5
	27	75	69	71	71	69	71	72	72	78	66.5
	64	73	68	70	70	68	70	72	73	78	66.5
45°	6	77	71	73	73	71	73	74	75	80	68.5
	42	83	77	76	73	70	70	70	70	78	66.5
	63	89	80	78	76	72	70	70	70	79	67.5

RA-710-325-225-6 (1770 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	7	76	83	88	86	85	83	82	81	91	79.5
	227	75	79	83	83	86	82	81	82	90	78.5
	550	81	88	90	88	86	83	85	84	93	81.5
20°	19	78	91	86	86	86	83	82	82	91	79.5
	293	77	88	84	85	84	82	83	84	90	78.5
	609	80	87	85	89	89	87	87	86	94	82.5
30-20°	22	82	91	87	88	88	87	85	84	94	82.5
	312	77	86	82	85	86	85	86	86	92	80.5
	620	80	86	85	90	90	89	90	89	96	84.5
40-30°	34	87	95	92	89	91	89	89	90	97	85.5
	279	85	93	91	89	92	91	91	91	98	86.5
	616	81	89	88	88	91	90	90	91	97	85.5
40°	46	88	97	94	91	92	91	92	93	99	87.5
	268	87	94	92	89	91	91	92	94	99	87.5
	547	87	92	91	90	91	90	91	93	98	86.5



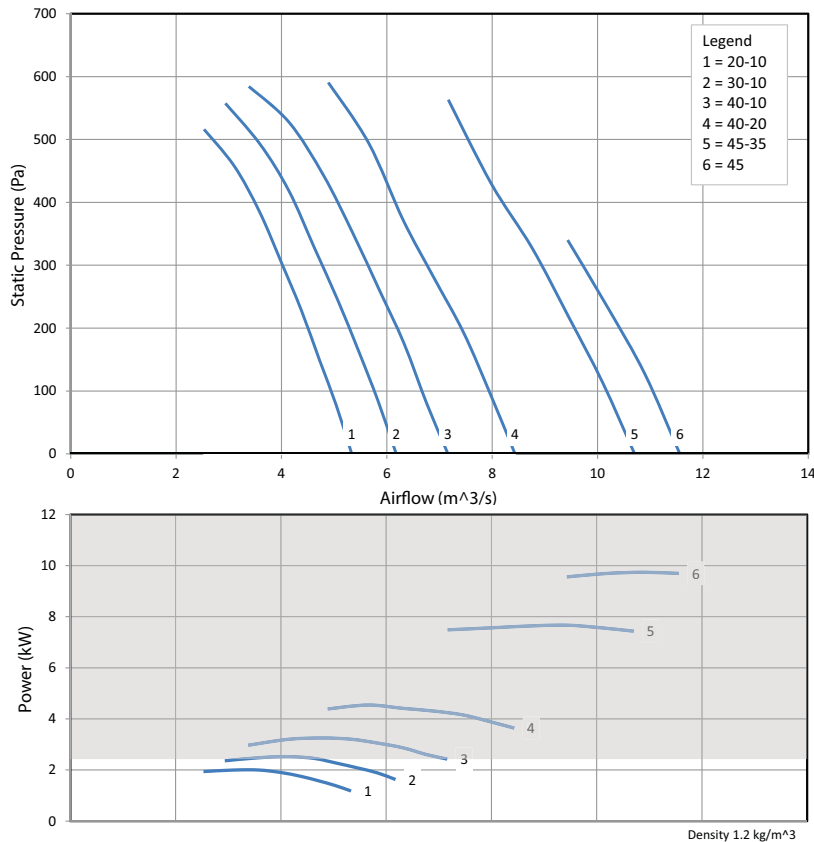
Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.



Blade Pitch	FEG
10	75
15-15	80
20-20	80
30-20	80
30-30	80
40-30	80
40-40	75

RA-710-325-225-6 (1770 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

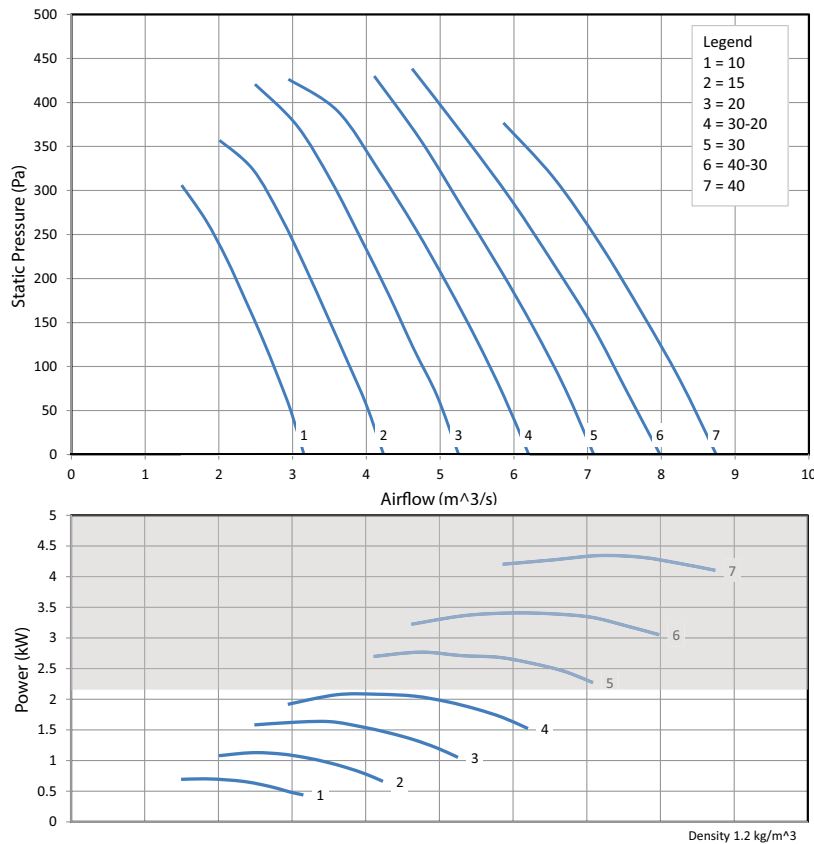


Blade Pitch	FEG
20-10	80
30-10	85
40-10	80
40-20	80
45-35	75
45-45	71

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	12	77	84	89	87	87	85	83	82	92	80.5
	252	74	80	84	85	85	83	83	82	91	79.5
	548	86	88	95	97	93	88	88	86	99	87.5
40-10°	23	82	90	88	86	91	90	87	86	96	84.5
	291	77	89	86	85	89	89	86	86	94	82.5
	599	96	96	94	92	91	91	91	91	98	86.5
40-20°	28	84	94	91	88	90	89	87	87	95	83.5
	291	81	89	87	87	89	87	87	88	95	83.5
	576	81	87	87	88	89	89	90	90	96	84.5
45-35°	46	89	97	94	91	93	92	92	93	100	88.5
	285	88	94	92	90	92	92	93	93	99	87.5
	576	86	92	91	90	92	90	91	93	98	86.5
45°	50	96	96	96	94	93	92	94	95	100	88.5
	174	96	96	95	93	92	91	93	95	100	88.5
	348	96	96	95	92	92	91	93	95	100	88.5

RA-710-325-225-6 (1450 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	5	74	80	83	82	80	78	77	76	86	74.5
	152	72	76	79	80	80	78	77	78	85	73.5
	369	78	84	85	83	81	79	80	79	88	76.5
20°	12	73	86	79	83	81	78	78	78	87	75.5
	197	72	84	78	81	79	77	80	79	86	74.5
	409	76	83	80	86	84	81	83	81	90	78.5
30-20°	15	77	86	81	85	84	82	80	80	89	77.5
	209	73	81	76	83	81	80	82	81	88	76.5
	416	76	81	81	88	85	84	86	84	92	80.5
40-30°	23	83	90	85	86	86	84	85	85	92	80.5
	188	80	89	84	86	88	86	87	86	94	82.5
	413	76	85	83	85	86	85	87	86	93	81.5
40°	31	83	93	88	87	87	87	89	88	95	83.5
	180	83	90	86	86	86	86	89	89	95	83.5
	367	83	88	86	86	86	85	88	88	94	82.5



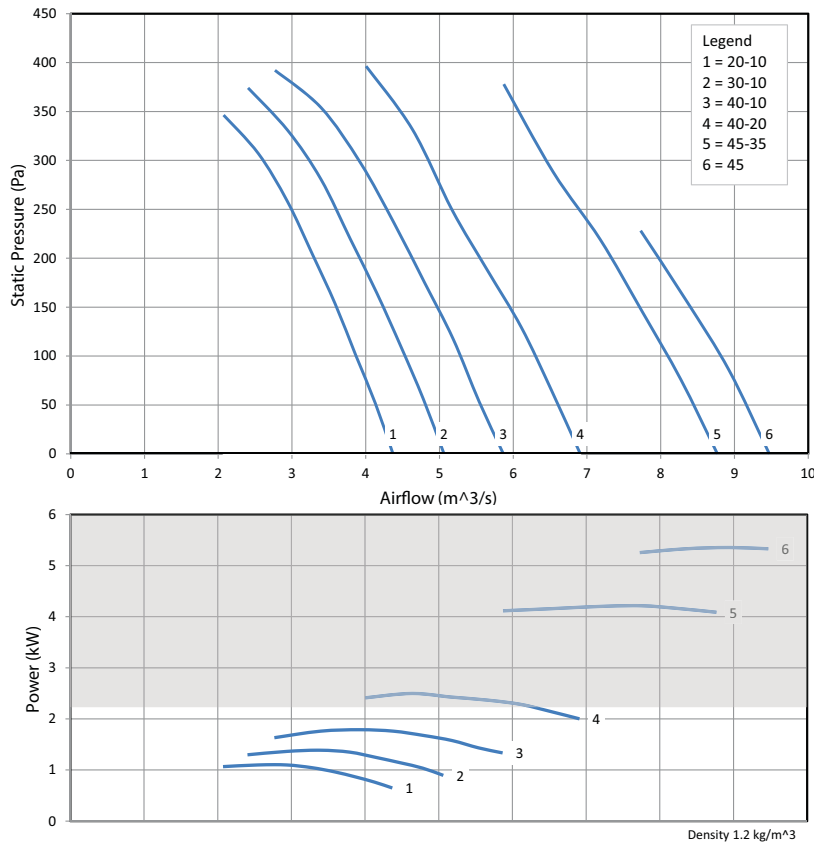
Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.



Blade Pitch	FEG
10	75
15-15	80
20-20	80
30-20	80
30-30	80
40-30	80
40-40	75

RA-710-325-225-6 (1450 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

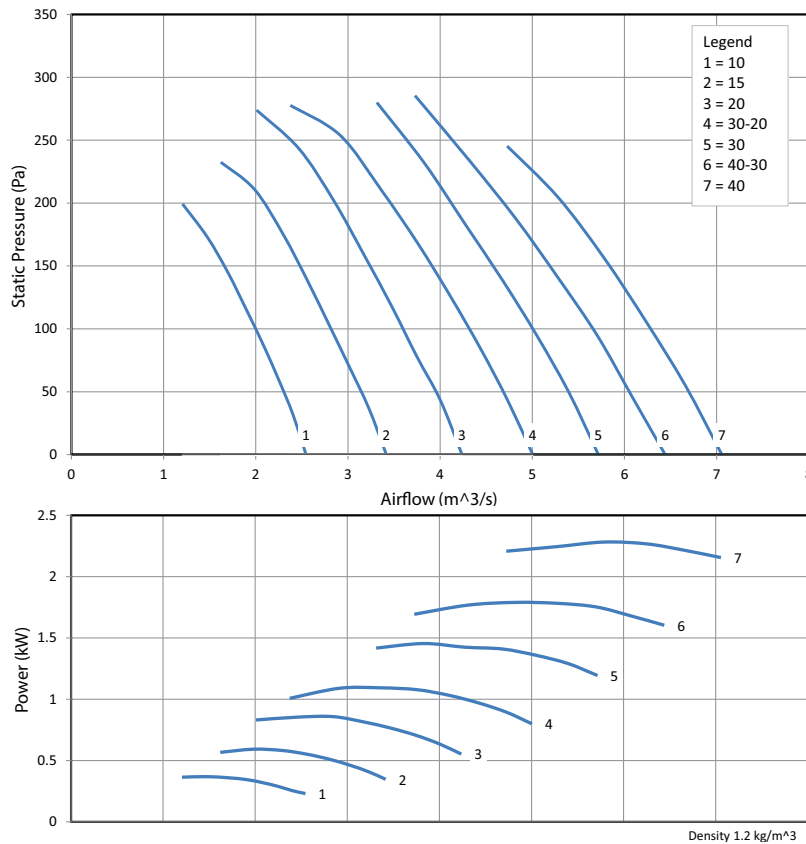


Blade Pitch	FEG
20-10	80
30-10	85
40-10	80
40-20	80
45-35	75
45-45	71

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	8	74	81	84	83	82	80	79	78	87	75.5
	169	71	77	80	81	80	79	78	78	86	74.5
	368	83	86	91	92	87	84	83	81	93	81.5
40-10°	15	78	86	82	84	87	84	82	82	91	79.5
	195	73	84	80	82	85	83	82	82	90	78.5
	402	92	92	89	87	87	86	87	85	94	82.5
40-20°	19	80	90	84	85	86	84	82	82	91	79.5
	195	77	84	82	83	84	82	83	84	90	78.5
	386	77	82	83	84	84	85	86	85	92	80.5
45-35°	31	85	93	88	88	88	88	89	88	95	83.5
	191	84	89	86	87	88	87	89	88	95	83.5
	386	81	88	85	87	87	85	88	88	94	82.5
45°	33	91	92	91	89	88	88	90	90	96	84.5
	117	91	91	90	89	88	88	90	90	96	84.5
	234	91	91	90	88	87	87	89	90	95	83.5

RA-710-325-225-6 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

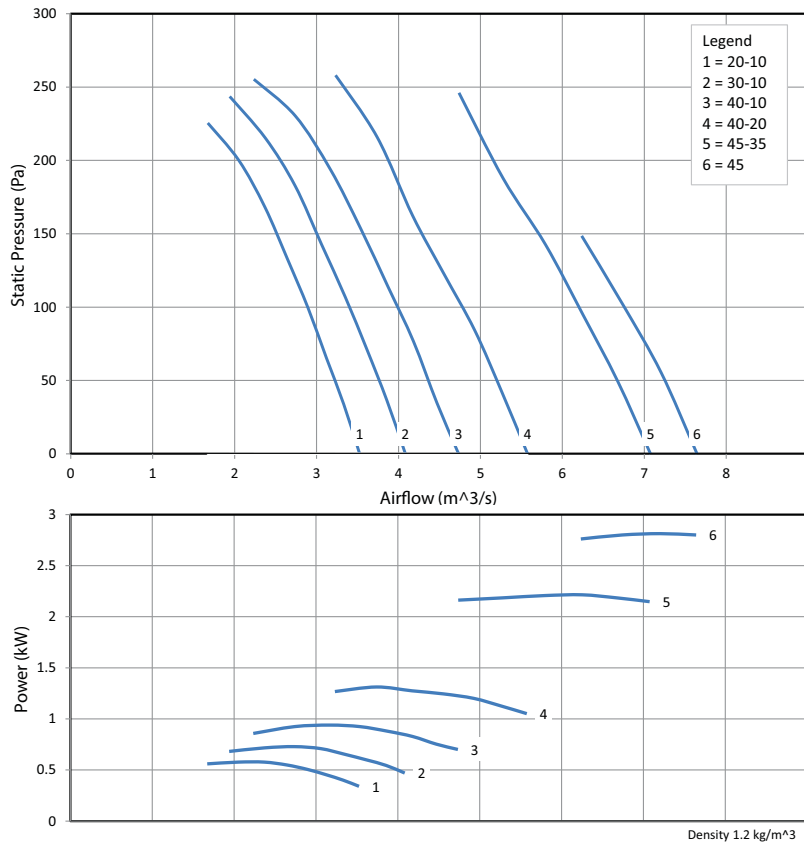


Blade Pitch	FEG
10	75
15-15	80
20-20	80
30-20	80
30-30	80
40-30	80
40-40	75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	3	71	77	78	77	75	73	72	72	81	69.5
	99	68	73	74	76	75	72	72	73	80	68.5
	241	76	80	80	78	75	75	75	74	83	71.5
20°	8	73	82	76	78	76	73	73	74	82	70.5
	128	71	79	75	76	74	73	75	74	81	69.5
	266	73	78	77	81	79	77	78	76	85	73.5
30-20°	10	75	82	77	80	78	77	75	75	84	72.5
	136	71	77	73	78	76	76	77	76	83	71.5
	271	73	77	78	82	80	80	81	79	87	75.5
40-30°	15	78	86	78	82	81	79	81	80	88	76.5
	122	76	84	78	83	83	81	83	81	89	77.5
	269	72	80	78	82	82	79	83	81	88	76.5
40°	20	79	88	81	83	82	82	85	83	90	78.5
	117	78	85	79	82	82	82	85	83	90	78.5
	239	78	83	80	82	81	80	85	83	89	77.5

RA-710-325-225-6 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

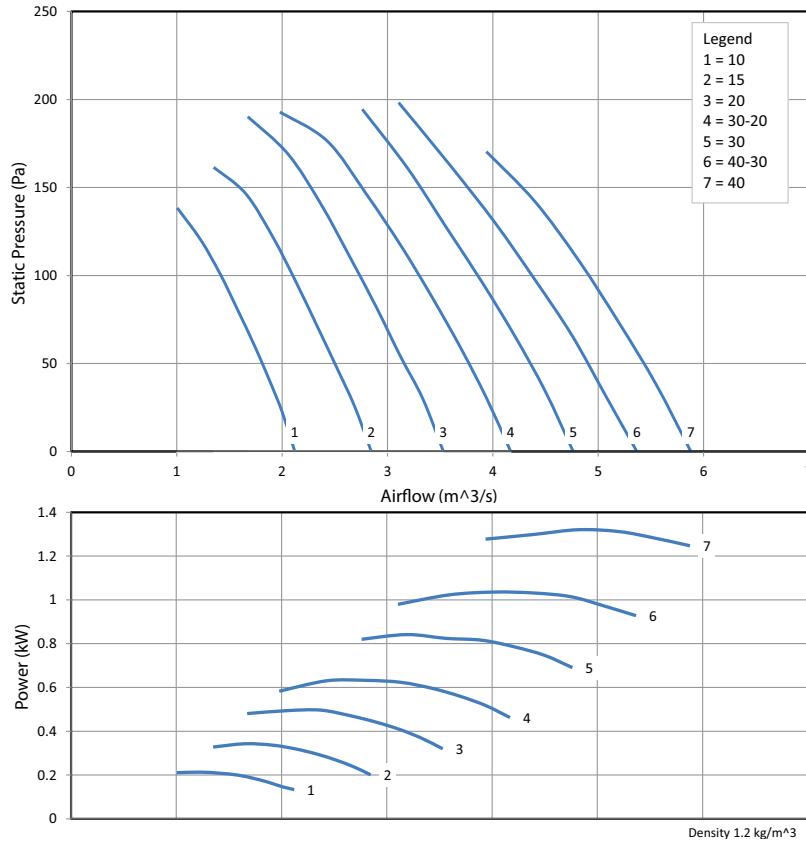


Blade Pitch	FEG
20-10	80
30-10	85
40-10	80
40-20	80
45-35	75
45-45	71

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	5	72	78	79	78	77	75	74	73	82	70.5
	110	69	74	76	76	75	74	73	73	81	69.5
	239	79	83	87	86	81	79	78	76	88	76.5
40-10°	10	73	81	75	81	83	78	78	77	87	75.5
	127	68	80	73	79	81	78	77	77	85	73.5
	262	87	87	83	82	82	82	83	80	89	77.5
40-20°	12	75	85	77	81	81	78	77	78	86	74.5
	127	72	80	76	80	79	77	79	79	86	74.5
	252	72	78	78	80	79	81	82	80	88	76.5
45-35°	20	80	88	81	84	84	83	85	82	91	79.5
	125	79	85	80	83	83	83	85	82	90	78.5
	252	77	83	80	83	82	80	84	83	89	77.5
45°	22	87	87	85	84	83	84	86	84	92	80.5
	76	87	87	85	84	82	84	86	84	91	79.5
	152	87	87	84	83	82	83	85	85	91	79.5

RA-710-325-225-6 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

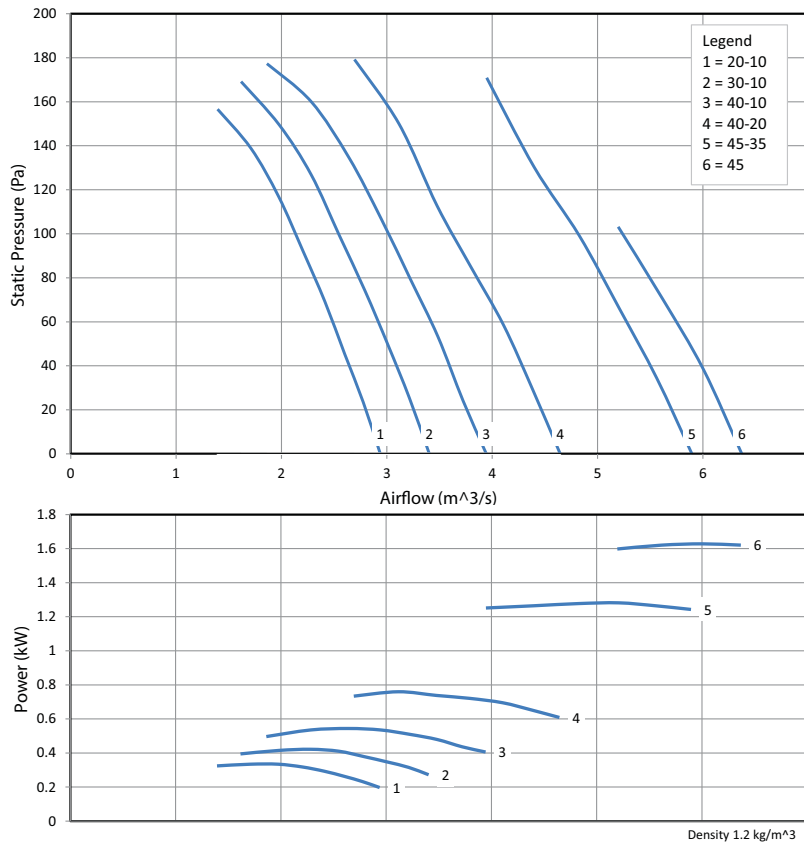


Blade Pitch	FEG
10	75
15-15	80
20-20	80
30-20	80
30-30	80
40-30	80
40-40	75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	2	69	75	74	73	70	69	68	67	77	65.5
	69	65	70	70	72	70	68	69	69	76	64.5
	167	74	77	75	74	71	72	71	70	79	67.5
20°	6	72	78	73	73	71	69	69	70	77	65.5
	89	71	76	71	71	69	70	71	70	77	65.5
	185	71	74	75	76	74	74	74	72	81	69.5
30-20°	7	74	78	74	75	74	72	71	71	80	68.5
	95	69	73	71	73	72	73	73	72	79	67.5
	188	70	73	76	78	76	77	76	74	83	71.5
40-30°	10	76	82	75	78	77	75	77	76	83	71.5
	85	74	80	75	79	78	78	79	76	85	73.5
	187	70	76	75	78	77	76	79	77	84	72.5
40°	14	77	84	77	79	78	79	80	78	86	74.5
	81	76	81	76	78	78	79	81	79	86	74.5
	166	76	79	77	78	77	77	80	79	85	73.5

RA-710-325-225-6 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

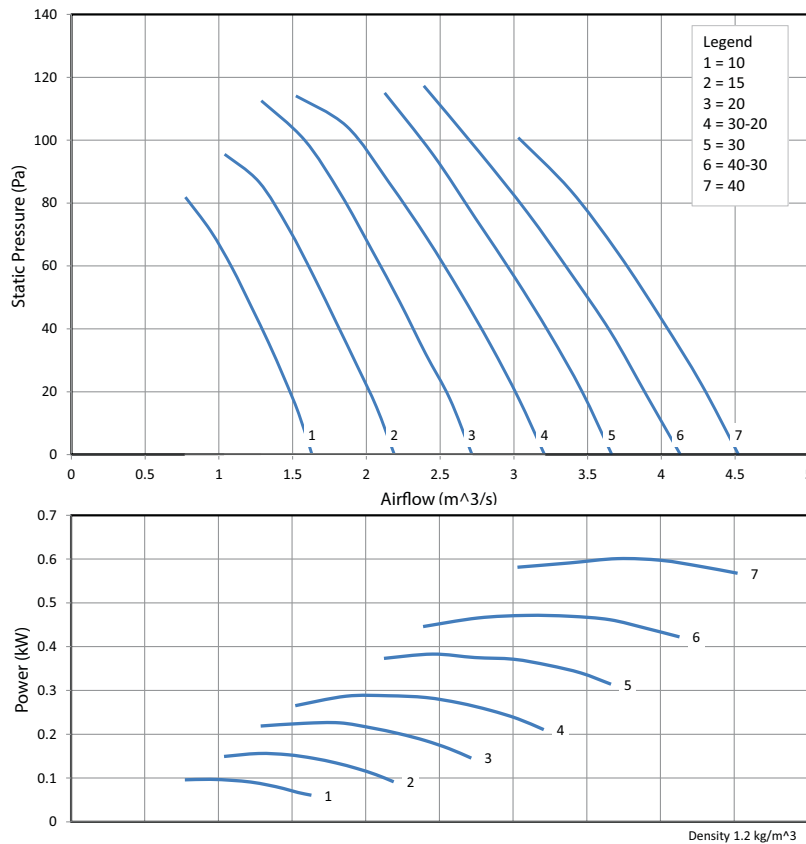


Blade Pitch	FEG
20-10	80
30-10	85
40-10	80
40-20	80
45-35	75
45-45	71

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	4	70	75	74	74	72	71	70	68	78	66.5
	76	66	71	72	72	71	70	69	69	77	65.5
	166	75	81	84	81	76	75	73	71	83	71.5
40-10°	7	72	77	73	78	77	74	73	72	82	70.5
	88	67	76	71	76	76	73	73	74	81	69.5
	182	83	83	79	78	78	78	78	75	85	73.5
40-20°	9	74	81	74	77	77	74	73	74	82	70.5
	88	70	76	73	76	75	74	75	75	82	70.5
	175	69	74	75	76	76	77	78	76	84	72.5
45-35°	14	78	84	78	80	79	79	80	78	86	74.5
	86	77	81	77	79	79	79	80	78	86	74.5
	175	74	79	77	79	77	77	80	78	85	73.5
45°	15	83	83	81	80	79	81	82	80	88	76.5
	53	83	83	80	80	78	80	82	80	87	75.5
	106	83	83	79	79	77	80	82	80	87	75.5

RA-710-325-225-6 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

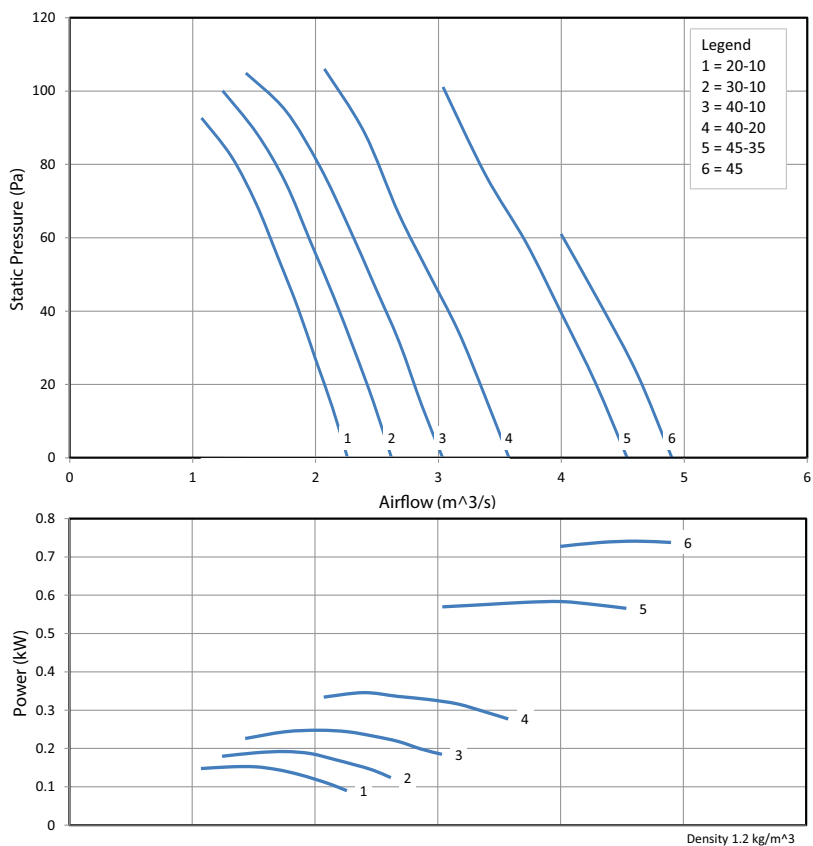


Blade Pitch	FEG
10	75
15-15	80
20-20	80
30-20	80
30-30	80
40-30	80
40-40	75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	1	65	69	67	66	64	63	62	61	70	58.5
	41	61	65	65	66	63	62	63	64	71	59.5
	99	70	71	69	67	65	66	65	63	73	61.5
20°	3	72	65	68	67	64	63	64	64	71	59.5
	53	70	64	67	65	63	65	65	65	72	60.5
	109	69	66	71	70	67	69	67	66	75	63.5
30-20°	4	72	67	70	69	68	66	65	65	74	62.5
	56	67	62	68	67	66	68	67	66	74	62.5
	111	67	67	73	71	70	72	70	68	77	65.5
40-30°	6	76	71	71	72	70	71	71	70	78	66.5
	50	75	70	72	73	72	73	72	70	79	67.5
	111	70	69	71	72	70	72	72	70	79	67.5
40°	8	78	74	73	73	73	74	74	72	80	68.5
	48	75	72	71	72	72	75	74	72	80	68.5
	98	74	72	72	72	71	73	74	73	80	68.5

RA-710-325-225-6 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

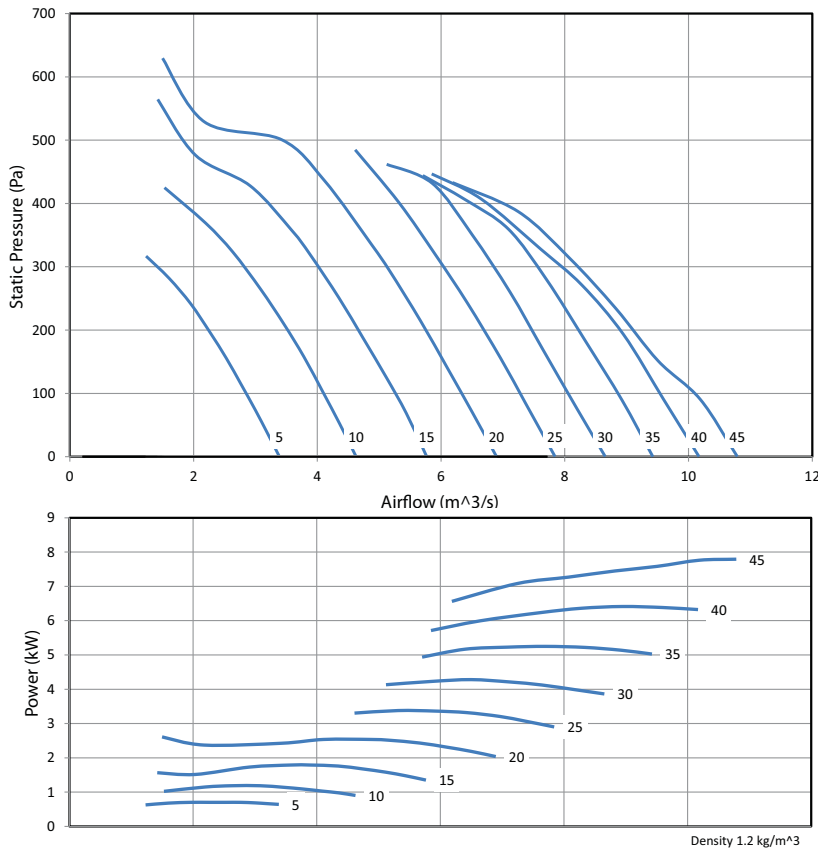


Blade Pitch	FEG
20-10	80
30-10	85
40-10	80
40-20	80
45-35	75
45-45	71

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	2	66	70	68	68	66	65	63	62	72	60.5
	45	62	66	66	66	65	64	63	63	71	59.5
	98	71	77	78	73	69	69	67	65	77	65.5
40-10°	4	71	68	69	72	70	68	67	66	76	64.5
	52	70	66	67	71	69	67	67	68	75	63.5
	107	77	75	73	73	72	73	71	68	79	67.5
40-20°	5	75	70	70	72	69	68	68	68	76	64.5
	52	70	68	69	70	68	69	69	69	76	64.5
	103	68	68	70	70	71	72	71	69	78	66.5
45-35°	8	78	74	73	74	73	74	73	71	80	68.5
	51	75	72	72	73	73	75	74	71	80	68.5
	103	73	71	72	73	71	73	74	72	80	68.5
45°	9	77	76	75	74	74	76	76	73	82	70.5
	31	77	76	74	73	73	75	76	73	82	70.5
	63	77	76	74	73	72	75	76	74	81	69.5

RA-710-375-190-4 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

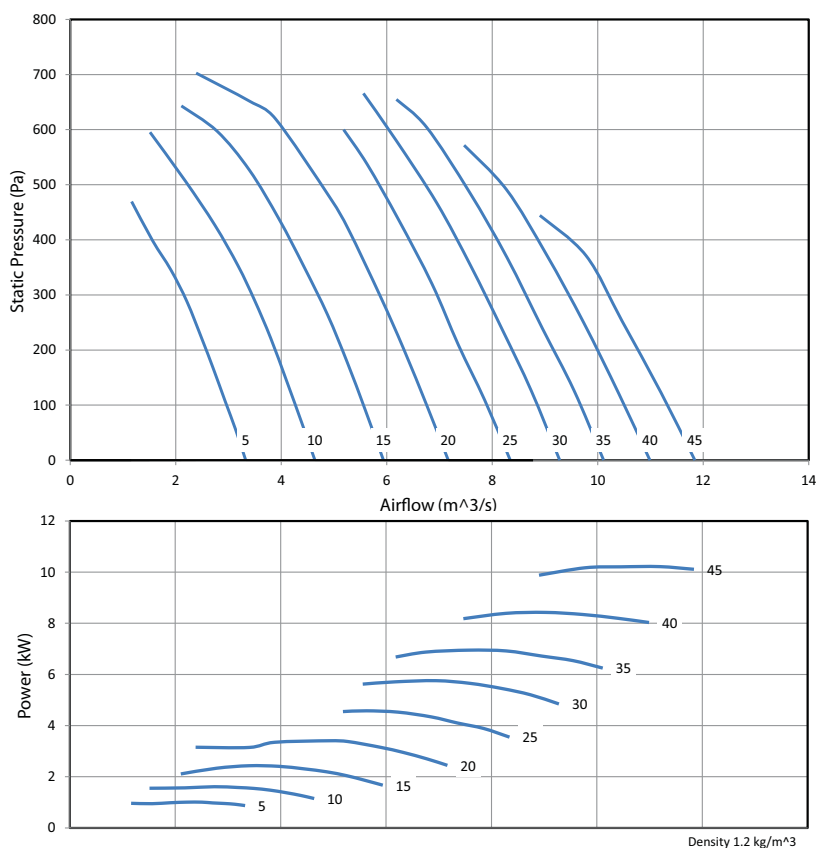


FEG 85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	2	75	77	77	84	85	82	79	76	89	77.5
	122	76	76	79	88	93	86	79	74	94	82.5
	304	88	93	90	87	83	78	75	70	89	77.5
15°	7	79	79	79	83	83	80	78	76	87	75.5
	244	82	79	78	82	80	79	77	74	86	74.5
	466	94	95	89	89	86	82	80	77	91	79.5
25°	15	83	84	83	86	84	81	79	76	89	77.5
	252	83	82	83	87	84	81	80	77	89	77.5
	473	87	86	87	91	88	85	82	80	93	81.5
35°	10	84	88	88	91	90	86	84	82	94	82.5
	257	85	87	88	91	90	88	85	83	95	83.5
	436	91	90	91	91	89	87	84	82	94	82.5
40°	17	86	93	91	93	92	89	86	84	97	85.5
	249	89	93	92	93	93	89	86	85	97	85.5
	441	96	96	96	95	92	89	85	81	97	85.5

RA-710-375-190-6 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

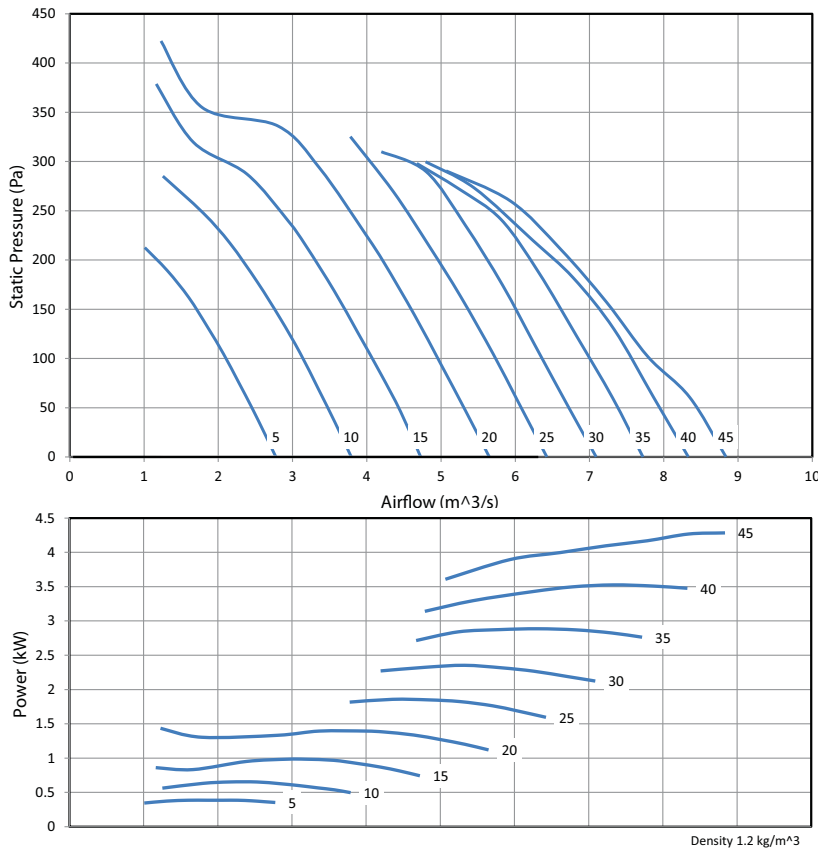


FEG 85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	2	78	77	80	88	91	87	82	78	94	82.5
	326	81	84	89	95	90	83	77	71	95	83.5
	443	81	90	85	85	82	79	76	71	87	75.5
15°	7	77	78	83	86	86	83	81	78	91	79.5
	381	81	78	82	92	91	88	82	75	95	83.5
	618	90	93	91	91	87	83	81	78	93	81.5
25°	17	83	82	86	88	86	83	80	76	90	78.5
	259	83	81	85	88	85	82	80	77	90	78.5
	588	87	85	89	95	91	87	83	80	96	84.5
35°	17	88	85	89	91	90	87	84	82	95	83.5
	374	86	85	89	92	90	87	85	83	95	83.5
	648	91	90	93	94	92	89	85	83	96	84.5
45°	30	88	87	92	95	95	92	88	86	99	87.5
	247	89	89	93	96	95	92	88	86	100	88.5
	548	95	94	98	97	94	90	87	83	99	87.5

RA-710-375-190-4 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

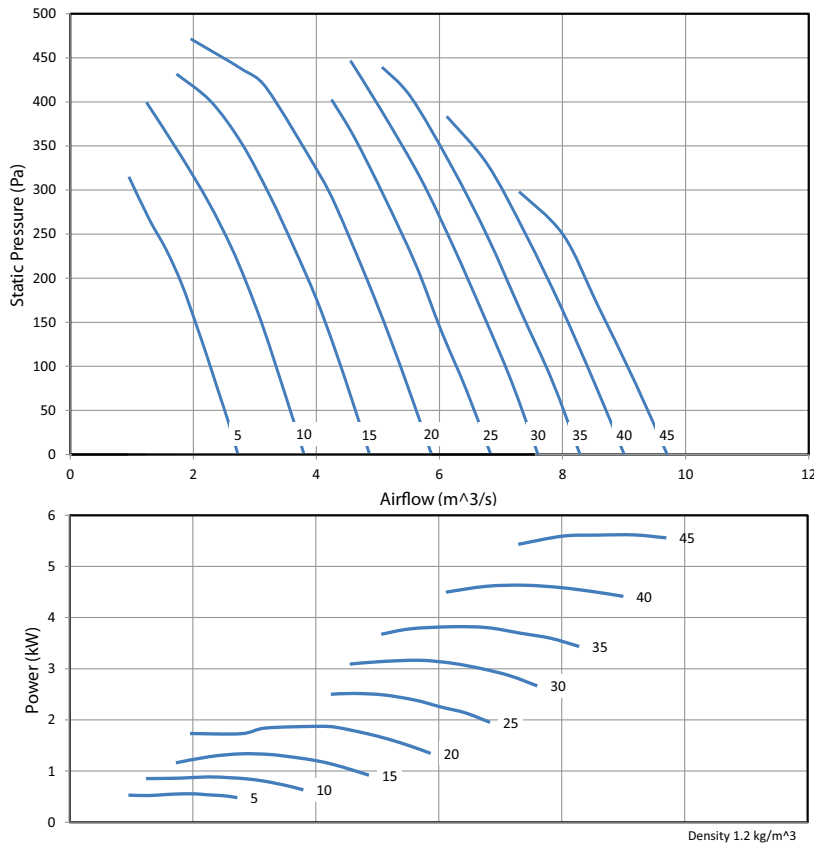


FEG 85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	2	71	72	75	80	80	77	74	71	84	72.5
	82	72	72	77	85	86	80	73	68	89	77.5
	204	85	89	85	82	78	73	69	65	84	72.5
15°	5	74	75	76	79	78	75	73	71	83	71.5
	164	77	75	75	77	76	74	72	68	81	69.5
	313	90	90	85	84	81	77	75	72	86	74.5
25°	10	79	80	80	81	79	76	73	71	84	72.5
	169	79	78	80	82	79	76	75	72	84	72.5
	318	82	82	84	86	83	80	77	75	88	76.5
35°	7	81	83	84	86	85	81	79	78	89	77.5
	172	82	83	85	86	85	83	80	78	90	78.5
	292	86	86	87	86	84	82	79	77	89	77.5
40°	12	83	88	87	88	87	84	81	80	92	80.5
	167	86	89	88	89	87	84	81	80	92	80.5
	296	91	92	91	90	87	84	80	76	92	80.5

RA-710-375-190-6 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

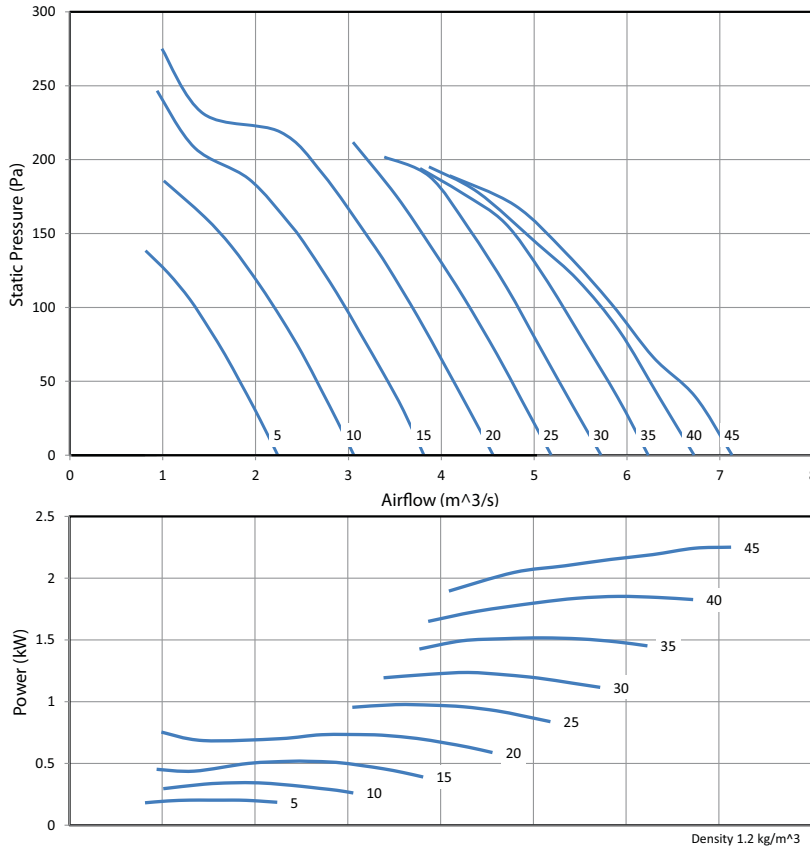


FEG 85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	2	73	73	78	85	86	81	76	72	89	77.5
	219	77	81	86	89	84	77	71	65	89	77.5
	298	79	86	81	80	77	74	71	65	82	70.5
15°	5	73	75	79	82	81	78	76	73	86	74.5
	256	76	74	80	87	86	82	76	69	90	78.5
	414	87	89	87	85	82	78	76	73	87	75.5
25°	12	79	79	82	83	80	78	74	71	85	73.5
	174	78	78	82	83	80	77	75	72	85	73.5
	395	82	82	87	89	86	82	78	75	91	79.5
35°	12	83	81	85	86	85	82	79	77	90	78.5
	251	81	82	86	87	85	82	80	78	90	78.5
	435	87	86	89	89	86	84	80	78	91	79.5
45°	20	83	84	88	91	89	86	83	81	94	82.5
	165	85	86	90	91	90	87	83	81	95	83.5
	368	90	91	93	92	89	85	81	78	94	82.5

RA-710-375-190-4 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

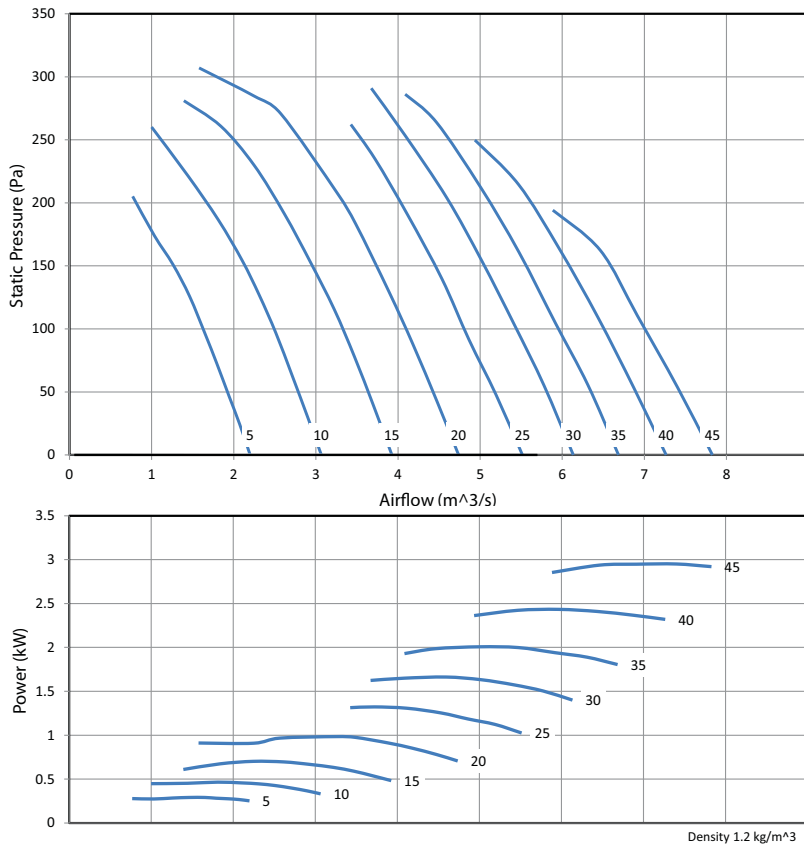


FEG 85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	1	68	68	72	76	75	71	68	65	79	67.5
	53	67	69	75	82	80	73	67	62	83	71.5
	133	84	82	79	76	71	67	63	58	78	66.5
15°	3	70	70	73	74	72	70	68	66	77	65.5
	107	71	70	72	72	70	69	66	63	76	64.5
	204	86	83	80	78	75	72	69	66	81	69.5
25°	6	75	75	76	76	73	71	68	65	79	67.5
	110	73	73	76	76	73	71	69	67	79	67.5
	207	77	78	80	80	77	74	72	70	83	71.5
35°	4	79	79	81	81	79	76	74	72	84	72.5
	112	78	79	81	81	80	77	75	73	85	73.5
	191	81	82	82	81	79	76	74	72	84	72.5
40°	8	84	83	83	84	81	78	76	75	86	74.5
	109	84	83	84	84	82	78	76	75	87	75.5
	193	87	87	86	84	81	78	74	70	87	75.5

RA-710-375-190-6 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

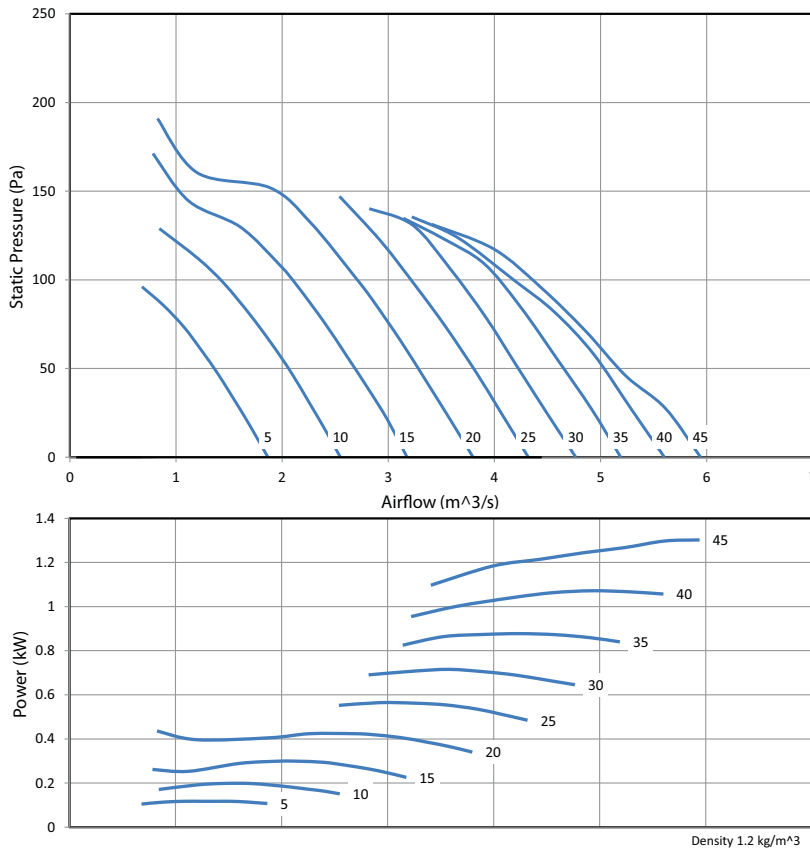


FEG 85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	1	68	69	76	81	80	75	71	67	84	72.5
	142	74	78	83	83	77	70	65	59	83	71.5
	194	77	81	76	74	71	68	64	59	77	65.5
15°	3	69	72	76	77	75	73	71	67	80	68.5
	167	70	71	79	83	80	75	69	63	84	72.5
	270	83	84	82	80	76	73	70	67	82	70.5
25°	8	74	75	78	78	75	72	69	66	80	68.5
	113	73	74	78	77	74	72	69	66	80	68.5
	257	77	79	83	84	80	76	72	69	85	73.5
35°	8	77	78	81	81	79	76	74	72	84	72.5
	163	76	78	82	82	79	77	74	72	85	73.5
	283	82	83	84	83	81	78	75	72	86	74.5
45°	13	78	81	85	86	84	80	78	75	89	77.5
	108	80	82	86	87	85	81	78	76	89	77.5
	239	85	87	88	86	83	79	76	72	88	76.5

RA-710-375-190-4 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

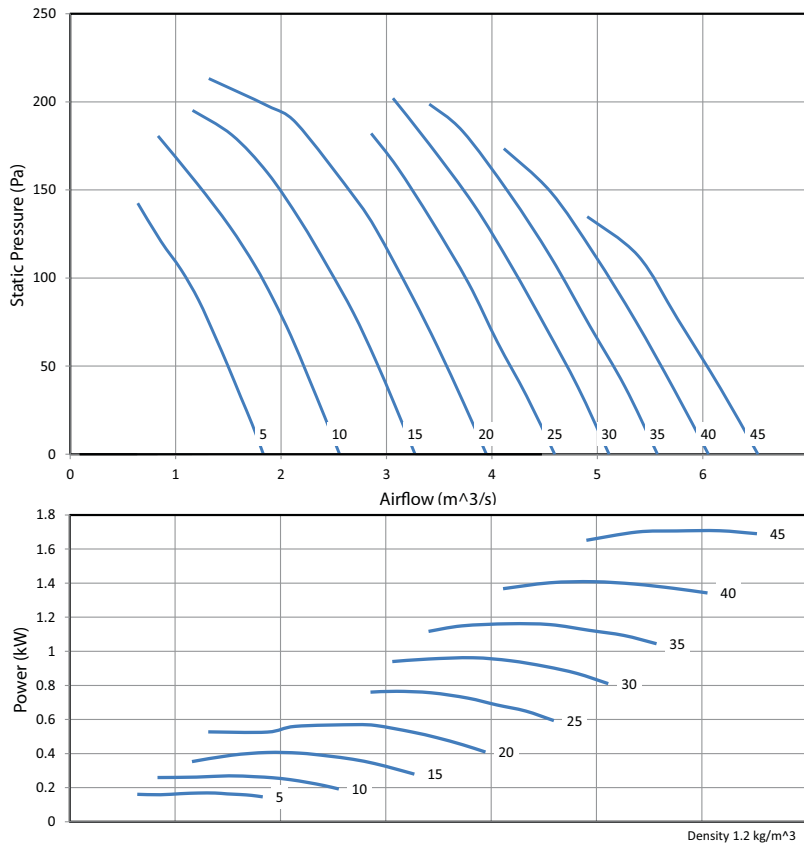


FEG 85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	1	64	64	70	72	70	67	64	60	75	63.5
	37	63	65	73	79	74	67	62	57	79	67.5
	92	80	77	75	71	66	63	58	53	73	61.5
15°	2	66	66	70	70	67	66	63	61	73	61.5
	74	67	65	69	68	66	64	61	58	71	59.5
	141	82	77	76	73	70	68	65	62	76	64.5
25°	4	71	70	73	71	69	66	63	60	74	62.5
	76	69	70	73	71	69	67	65	62	75	63.5
	144	73	74	77	76	73	70	67	65	78	66.5
35°	3	75	75	78	77	74	71	69	68	80	68.5
	78	74	75	77	77	75	72	70	69	80	68.5
	132	77	78	78	77	74	71	69	67	80	68.5
40°	5	80	78	80	79	76	73	72	70	82	70.5
	75	80	79	80	80	77	73	72	71	82	70.5
	134	83	83	82	80	76	73	69	65	82	70.5

RA-710-375-190-6 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

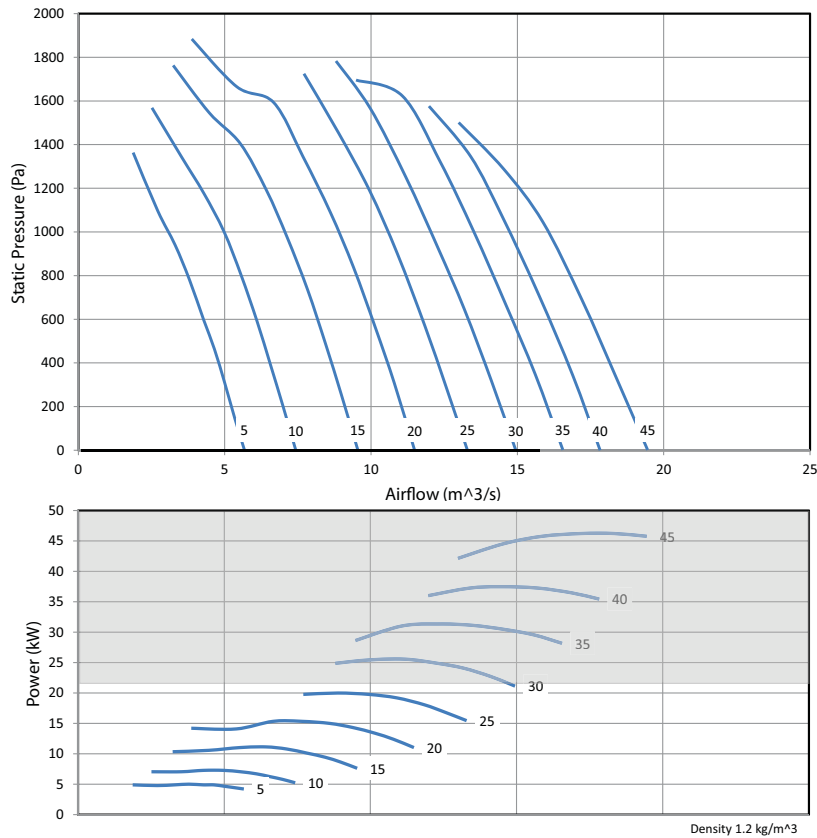


FEG 85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	1	64	66	74	78	75	70	66	62	79	67.5
	99	71	75	81	78	71	65	59	54	78	66.5
	135	76	77	72	70	66	64	59	54	72	60.5
15°	2	65	69	73	73	71	69	66	63	76	64.5
	116	65	68	78	78	75	70	63	57	80	68.5
	188	80	80	78	75	71	68	66	63	77	65.5
25°	5	69	72	75	73	70	67	64	61	75	63.5
	79	68	71	75	72	70	68	64	61	75	63.5
	178	72	76	81	79	75	71	67	64	80	68.5
35°	5	72	75	78	77	74	72	69	67	80	68.5
	113	72	76	79	78	75	72	70	68	80	68.5
	197	77	79	80	79	76	73	70	68	82	70.5
45°	9	74	78	82	82	79	75	73	71	84	72.5
	75	76	80	83	82	80	76	74	72	85	73.5
	166	81	84	84	82	78	74	71	67	84	72.5

RA-710-375-275-6 (2900 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	7	94	93	93	95	101	101	97	92	106	94.5
	669	90	89	89	96	104	102	95	89	107	95.5
	1230	101	101	102	98	97	93	90	86	102	90.5
15°	27	96	96	97	96	98	97	94	92	103	91.5
	1016	94	93	92	94	98	97	94	90	103	91.5
	1672	108	107	105	103	101	97	93	90	106	94.5
25°	60	100	100	99	98	99	97	93	90	103	91.5
	682	98	98	96	97	98	95	93	90	102	90.5
	1678	103	102	100	101	103	100	96	93	107	95.5
35°	47	100	99	99	101	102	100	97	94	106	94.5
	662	103	103	102	101	103	101	97	95	107	95.5
	1665	107	105	102	103	104	101	98	96	108	96.5
45°	60	102	102	102	104	106	105	101	98	111	99.5
	709	104	104	103	105	107	105	102	99	112	100.5
	1578	112	111	109	110	109	105	101	98	113	101.5



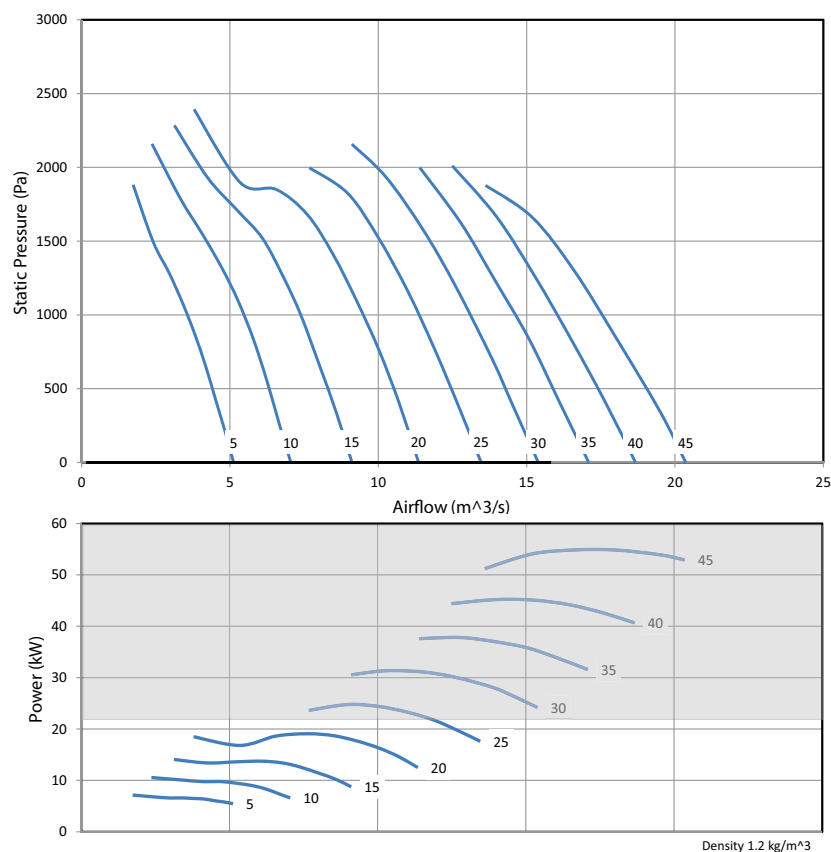
Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.



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RA-710-375-275-9 (2900 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).



Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

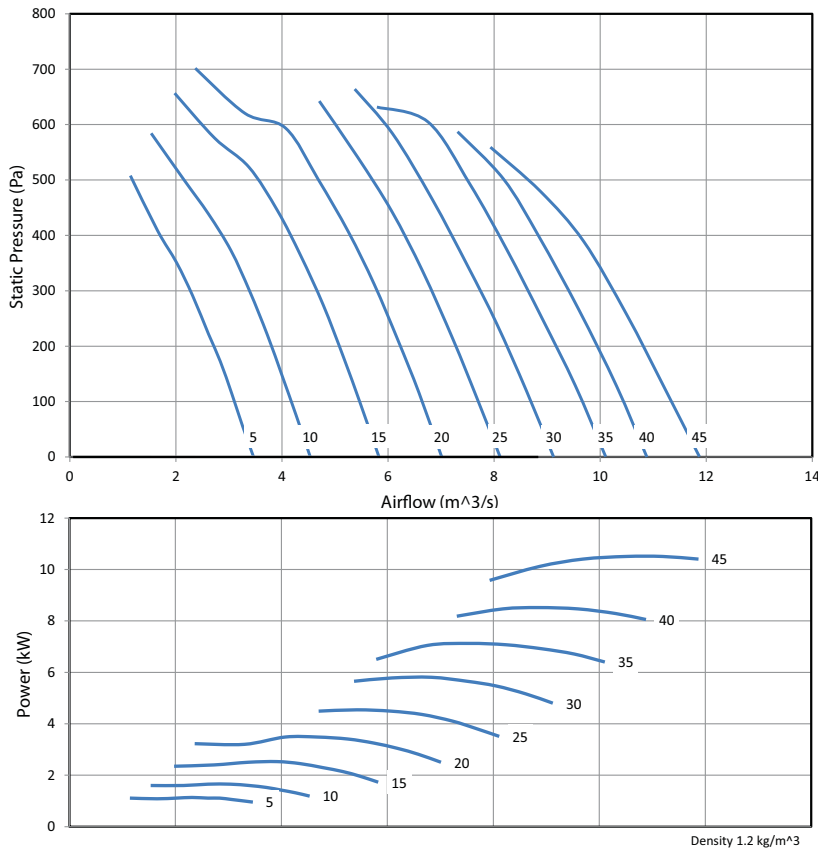


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	0	93	93	94	98	103	103	99	94	108	96.5
	1224	99	99	103	106	103	99	93	88	108	96.5
	2253	102	101	99	101	100	97	95	92	105	93.5
15°	20	96	96	95	98	100	99	97	94	105	93.5
	1036	94	94	93	97	100	99	96	92	105	93.5
	1665	104	104	107	112	107	102	96	91	112	100.5
25°	47	95	95	96	102	102	99	96	93	106	94.5
	996	96	95	96	102	99	97	94	91	104	92.5
	1919	99	99	101	105	106	102	98	94	109	97.5
35°	87	102	102	102	106	105	102	98	95	109	97.5
	976	100	99	99	103	104	102	98	95	108	96.5
	1932	101	101	100	103	105	102	98	95	108	96.5
45°	94	101	101	102	105	107	104	101	98	111	99.5
	1036	102	102	103	106	107	105	101	98	111	99.5
	1852	105	104	103	106	108	105	101	98	112	100.5

RA-710-375-275-6 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

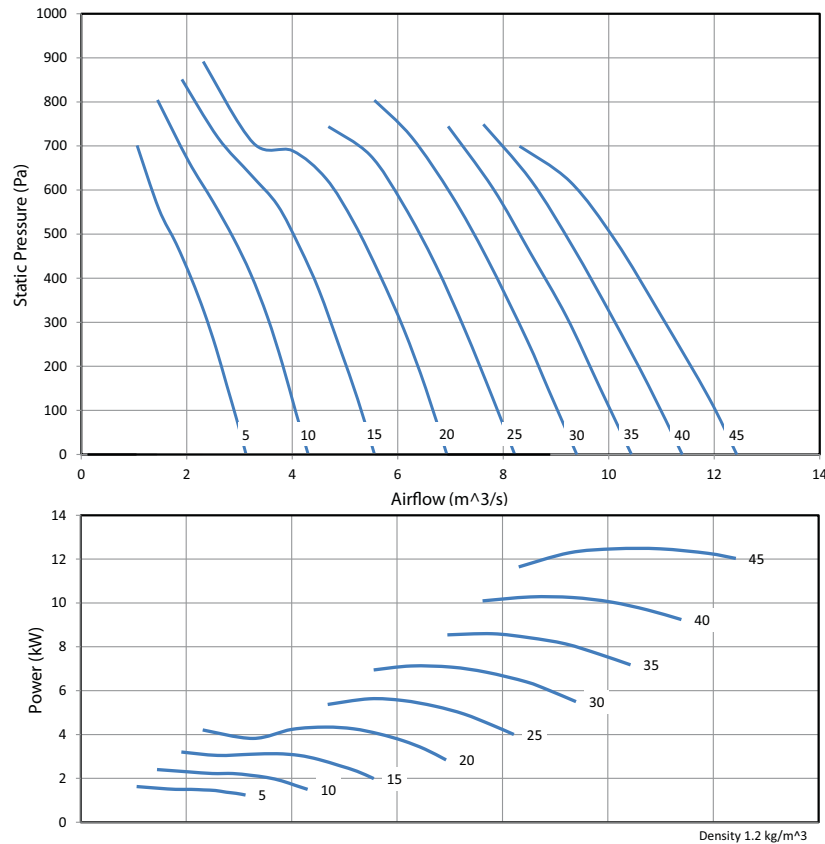


FEG 85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	2	83	82	82	90	92	87	83	78	95	83.5
	249	79	77	82	93	93	87	80	73	96	84.5
	458	91	91	88	87	84	80	77	72	89	77.5
15°	10	85	86	84	87	87	84	82	78	91	79.5
	379	83	81	82	88	87	85	81	75	92	80.5
	623	98	94	92	92	88	83	80	77	93	81.5
25°	22	89	89	86	89	87	83	81	77	92	80.5
	254	87	85	86	88	86	82	80	77	91	79.5
	625	92	89	90	93	90	86	83	80	95	83.5
35°	17	89	88	89	92	90	87	84	80	95	83.5
	247	92	92	90	93	91	88	85	82	96	84.5
	620	96	91	92	94	91	88	86	83	96	84.5
45°	22	91	90	93	96	95	91	88	85	99	87.5
	264	93	92	94	97	95	92	89	87	100	88.5
	588	101	98	99	99	96	92	88	84	101	89.5

RA-710-375-275-9 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

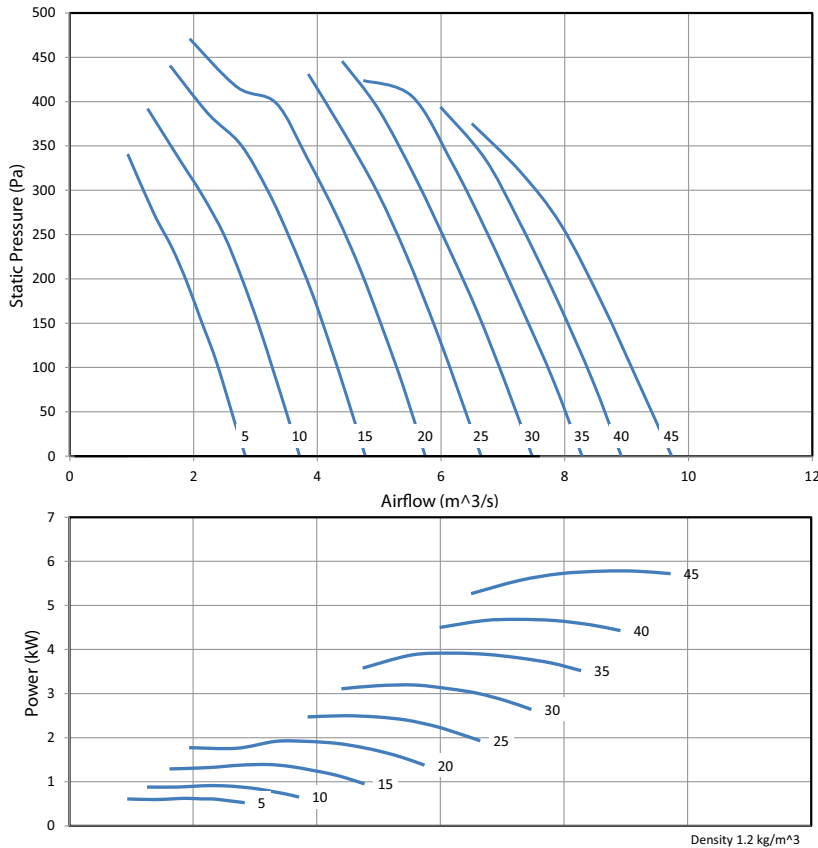


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	0	82	82	85	92	94	90	85	80	97	85.5
	456	88	90	96	94	90	84	79	72	95	83.5
	839	91	88	90	90	87	85	83	78	93	81.5
15°	7	85	83	86	89	89	87	85	80	94	82.5
	386	84	82	85	89	89	86	83	77	93	81.5
	620	93	94	102	97	93	87	82	76	99	87.5
25°	17	84	83	91	91	90	86	84	79	94	82.5
	371	85	82	91	89	87	84	81	77	92	80.5
	715	89	88	94	96	93	89	84	80	97	85.5
35°	32	91	90	96	94	93	89	85	81	97	85.5
	364	89	87	92	94	92	88	85	82	96	84.5
	720	91	88	92	94	92	88	85	83	97	85.5
45°	35	90	90	93	96	95	91	88	86	99	87.5
	386	91	91	95	97	95	91	88	87	100	88.5
	690	94	92	95	98	95	91	88	87	100	88.5

RA-710-375-275-6 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

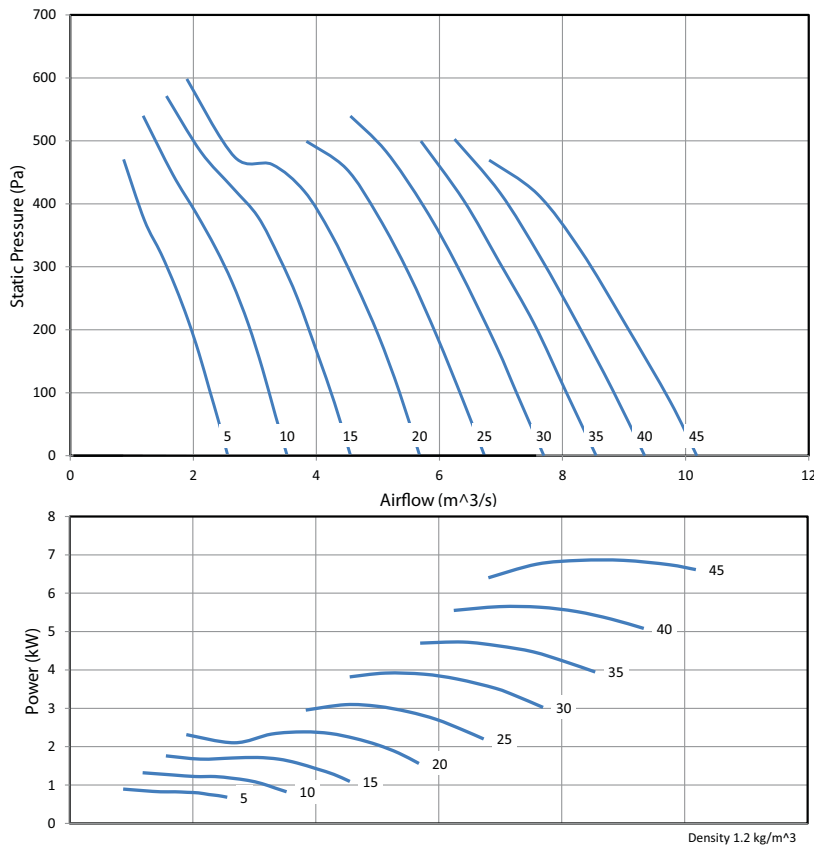


FEG 85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	2	78	77	80	86	86	82	77	72	89	77.5
	167	74	74	81	88	87	80	74	67	90	78.5
	308	86	87	83	82	78	75	71	66	84	72.5
15°	7	81	82	81	83	82	79	77	72	86	74.5
	254	78	77	79	83	82	79	75	69	86	74.5
	418	92	90	88	86	82	78	75	71	88	76.5
25°	15	85	84	83	84	82	78	75	71	86	74.5
	171	83	81	82	83	80	78	75	71	85	73.5
	419	87	85	86	88	85	81	78	75	90	78.5
35°	12	84	84	86	87	85	82	78	75	90	78.5
	165	88	87	86	88	86	82	80	77	91	79.5
	416	90	87	88	89	86	83	81	78	91	79.5
45°	15	86	87	89	91	89	86	83	80	94	82.5
	177	89	88	90	92	90	87	84	82	95	83.5
	395	96	94	95	94	90	86	82	79	95	83.5

RA-710-375-275-9 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

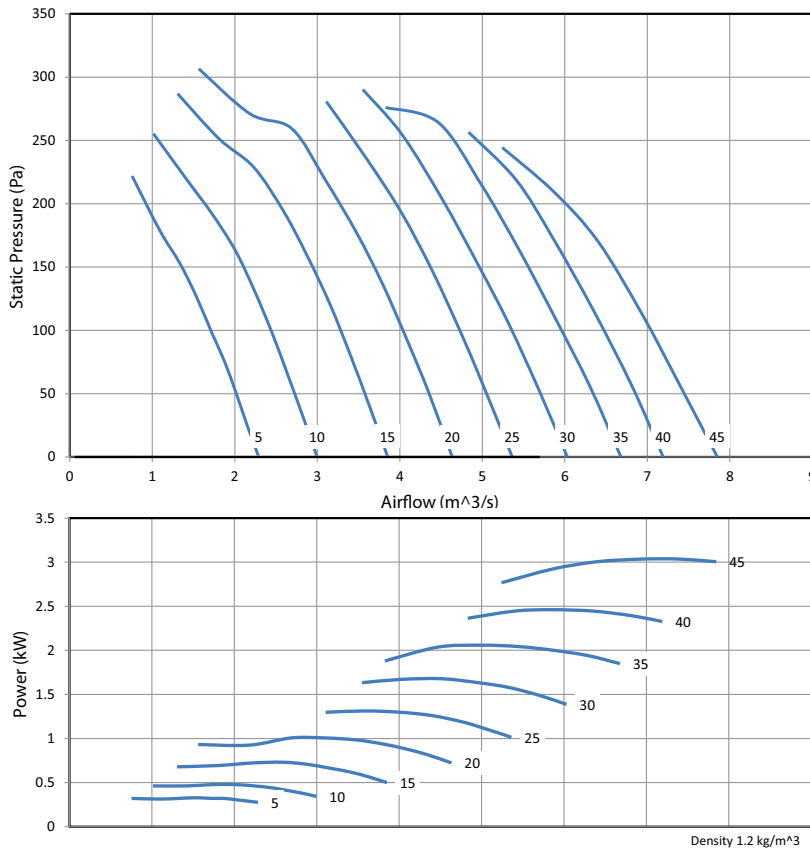


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	0	78	79	83	88	88	84	79	74	92	80.5
	306	84	88	91	88	84	78	73	66	89	77.5
	563	86	84	86	85	82	80	77	73	88	76.5
15°	5	80	80	83	85	84	82	79	75	89	77.5
	259	79	78	81	85	84	81	77	71	88	76.5
	416	89	92	97	92	87	81	76	70	93	81.5
25°	12	80	81	87	87	84	81	78	74	89	77.5
	249	80	81	87	84	82	79	76	72	87	75.5
	480	84	86	90	91	87	83	79	75	92	80.5
35°	22	87	87	91	90	87	83	80	76	92	80.5
	244	84	84	88	89	87	83	80	77	91	79.5
	483	86	85	88	90	87	83	80	78	92	80.5
45°	23	86	87	90	92	89	86	83	81	94	82.5
	259	87	88	91	92	90	86	83	82	95	83.5
	463	89	88	91	93	90	86	83	82	95	83.5

RA-710-375-275-6 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

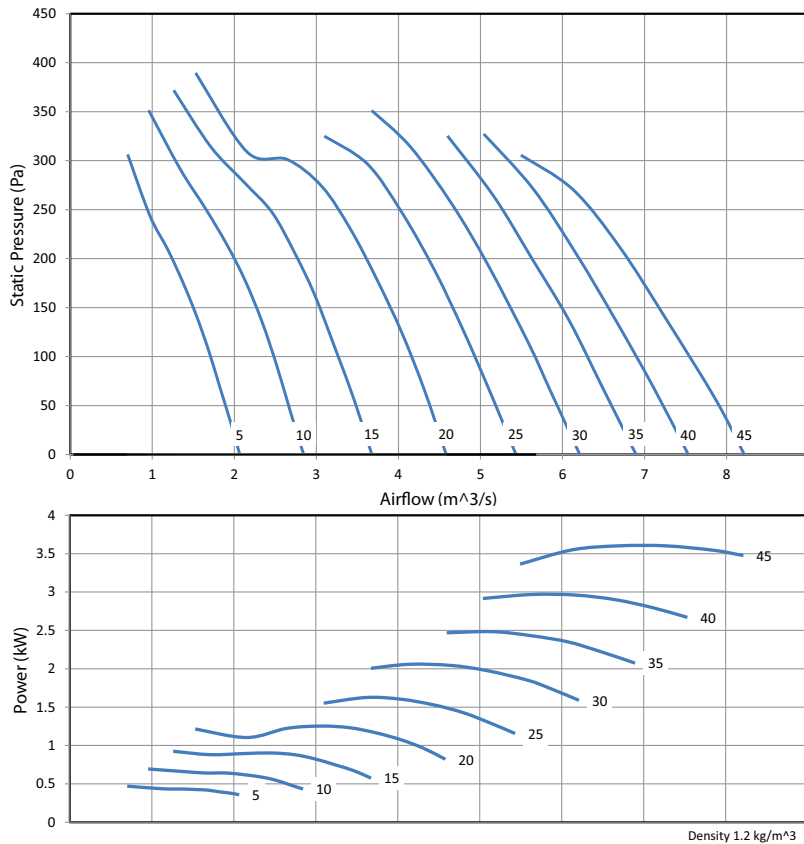


FEG 85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	1	73	73	78	82	80	75	71	66	84	72.5
	109	69	71	79	84	80	74	67	61	84	72.5
	200	82	82	78	76	72	69	65	59	78	66.5
15°	4	77	77	77	78	76	74	71	66	81	69.5
	165	73	73	77	78	77	73	68	62	81	69.5
	272	86	85	83	80	76	73	69	66	82	70.5
25°	10	80	80	79	79	76	73	69	65	81	69.5
	111	77	77	78	78	75	72	69	65	80	68.5
	273	81	80	83	83	79	76	72	69	84	72.5
35°	8	79	80	82	82	79	76	73	69	84	72.5
	108	83	83	83	83	80	77	74	72	85	73.5
	271	84	82	84	83	81	78	75	72	86	74.5
45°	10	82	83	86	86	84	80	77	75	89	77.5
	115	83	84	87	87	84	81	78	77	89	77.5
	257	90	90	90	88	84	81	77	73	90	78.5

RA-710-375-275-9 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

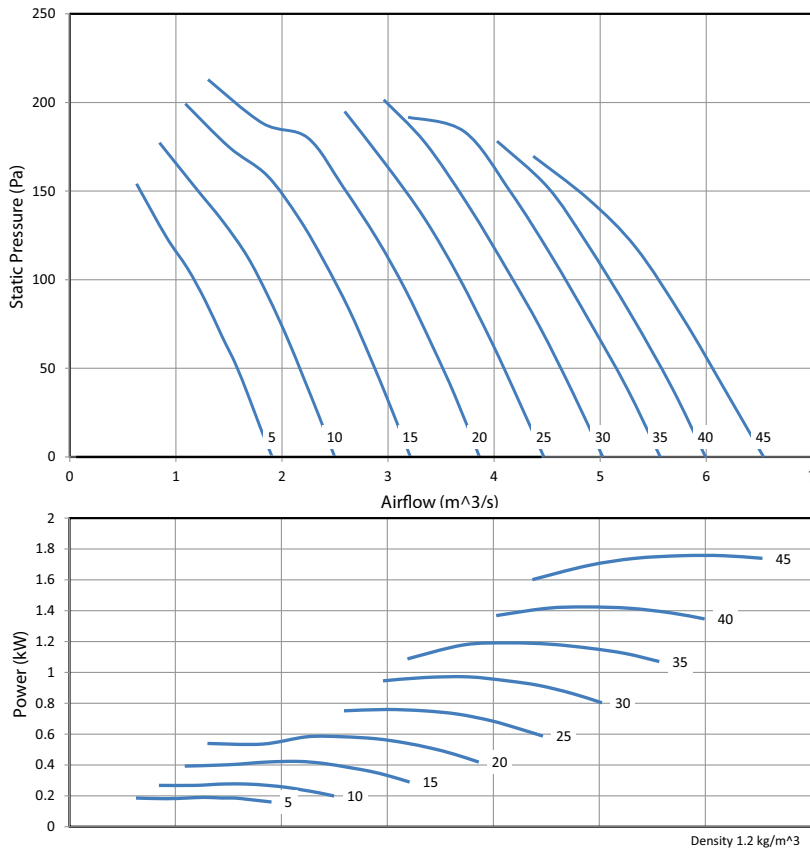


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	0	73	76	80	84	82	78	73	68	86	74.5
	199	80	87	85	82	77	72	66	59	83	71.5
	367	80	81	81	79	77	75	71	67	82	70.5
15°	3	75	77	79	80	79	77	73	68	84	72.5
	169	73	76	78	80	79	75	70	65	83	71.5
	271	85	93	90	86	81	75	70	64	87	75.5
25°	8	75	82	82	81	78	76	72	68	84	72.5
	162	75	82	81	79	76	73	70	66	82	70.5
	312	80	85	86	85	81	77	73	69	86	74.5
35°	14	81	87	86	85	81	78	74	70	87	75.5
	159	79	83	84	84	81	77	74	71	86	74.5
	315	80	83	84	84	81	77	75	73	86	74.5
45°	15	81	84	86	86	84	81	78	75	89	77.5
	169	82	86	87	87	84	81	78	77	89	77.5
	301	84	86	88	87	84	80	78	77	89	77.5

RA-710-375-275-6 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

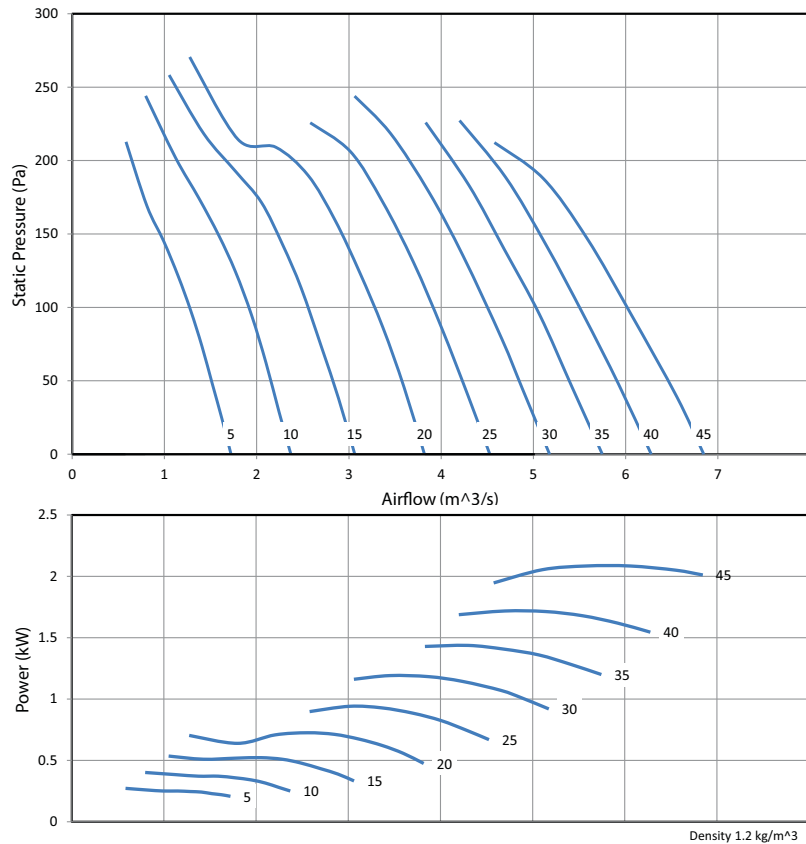


FEG 85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	1	69	69	76	79	75	70	66	61	80	68.5
	75	65	68	78	80	75	68	61	55	80	68.5
	139	78	78	74	71	68	65	59	54	73	61.5
15°	3	73	73	74	74	72	69	66	61	77	65.5
	115	68	69	74	74	72	68	63	57	77	65.5
	189	82	81	79	75	71	68	64	61	77	65.5
25°	7	76	76	75	74	71	68	64	60	76	64.5
	77	73	73	75	73	70	68	64	60	76	64.5
	190	76	77	80	78	74	71	67	64	80	68.5
35°	5	75	76	79	78	74	71	68	64	80	68.5
	75	79	79	79	78	75	72	69	67	81	69.5
	188	78	79	80	79	76	73	70	68	81	69.5
45°	7	77	80	82	82	79	75	73	70	84	72.5
	80	79	80	84	83	80	76	74	72	85	73.5
	178	85	86	86	83	80	75	72	68	85	73.5

RA-710-375-275-9 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

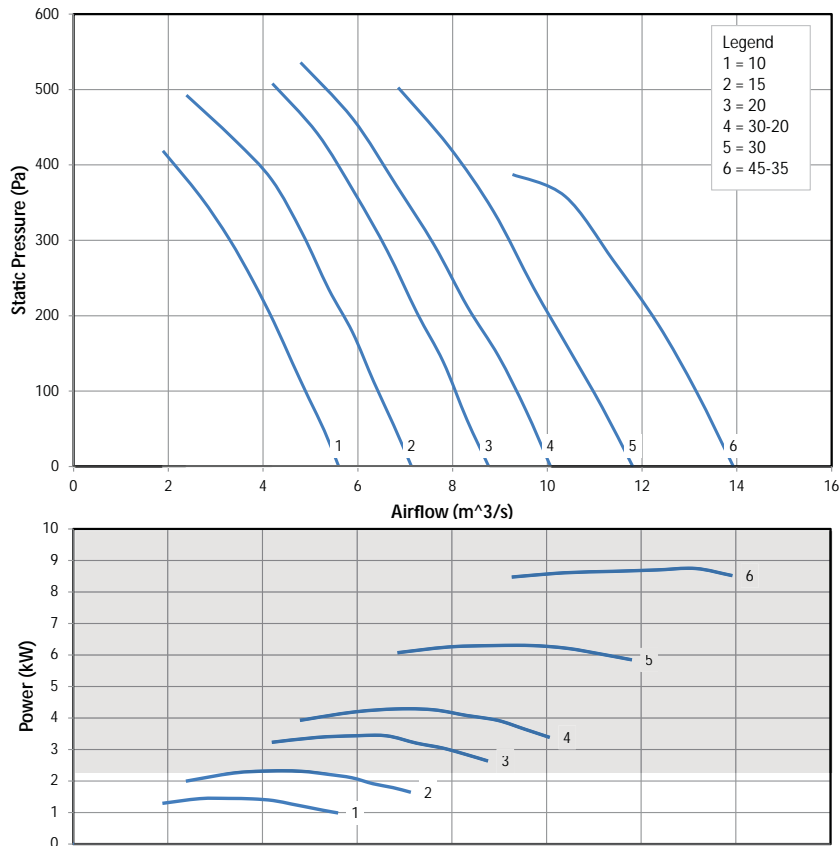


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	0	69	72	78	81	78	73	68	62	82	70.5
	138	77	83	81	77	72	67	60	54	78	66.5
	255	75	77	77	74	72	70	66	62	78	66.5
15°	2	70	73	76	76	74	72	68	63	79	67.5
	117	69	72	75	76	74	70	65	59	78	66.5
	188	81	89	85	81	75	70	64	58	82	70.5
25°	5	70	78	78	77	74	71	67	63	79	67.5
	113	70	78	77	75	71	69	65	60	77	65.5
	217	76	81	83	80	76	72	68	64	82	70.5
35°	10	77	83	82	80	76	73	69	65	82	70.5
	110	74	79	81	79	76	72	69	66	81	69.5
	218	75	79	81	80	75	72	70	68	82	70.5
45°	10	77	81	83	82	79	76	73	71	84	72.5
	117	78	82	84	82	79	76	74	72	85	73.5
	209	79	82	84	83	79	76	74	72	85	73.5

RA-800-225-4 (1770 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Density 1.2 kg/m³



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

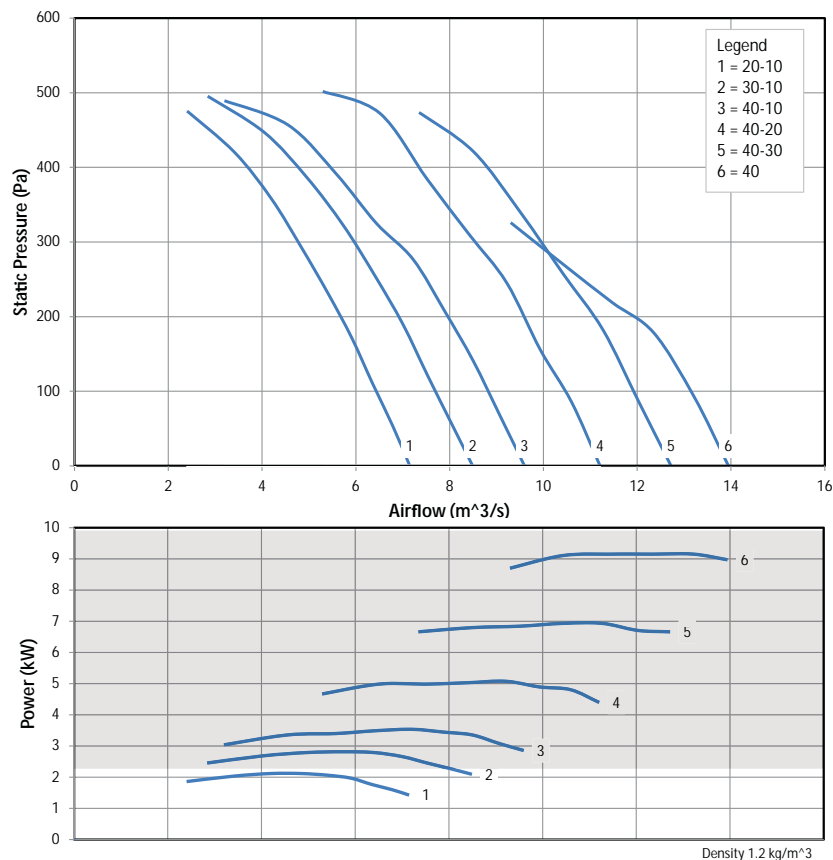


Blade Pitch	FEG
10	75
15-15	80
20-20	80
30-20	80
30-30	75
45-35	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	12	78	86	90	92	87	85	84	83	94	82.5
	296	74	87	88	93	95	89	85	84	98	86.5
	508	83	88	91	92	89	86	89	89	96	84.5
20°	28	96	96	87	88	89	86	85	84	94	82.5
	228	99	99	86	88	88	85	85	86	94	82.5
	496	96	96	88	94	94	89	88	88	98	86.5
30-20°	34	94	94	88	91	93	89	88	87	97	85.5
	239	92	92	88	91	92	89	90	90	97	85.5
	513	90	90	87	91	92	90	91	91	98	86.5
30°	33	105	105	91	92	94	93	93	94	101	89.5
	257	99	99	89	90	93	91	92	93	99	87.5
	514	104	104	90	91	93	91	92	93	99	87.5
45-35°	75	100	100	95	95	96	94	95	96	102	90.5
	191	101	101	97	94	97	93	94	96	102	90.5
	348	97	97	92	93	95	92	92	95	100	88.5

RA-800-225-4 (1770 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

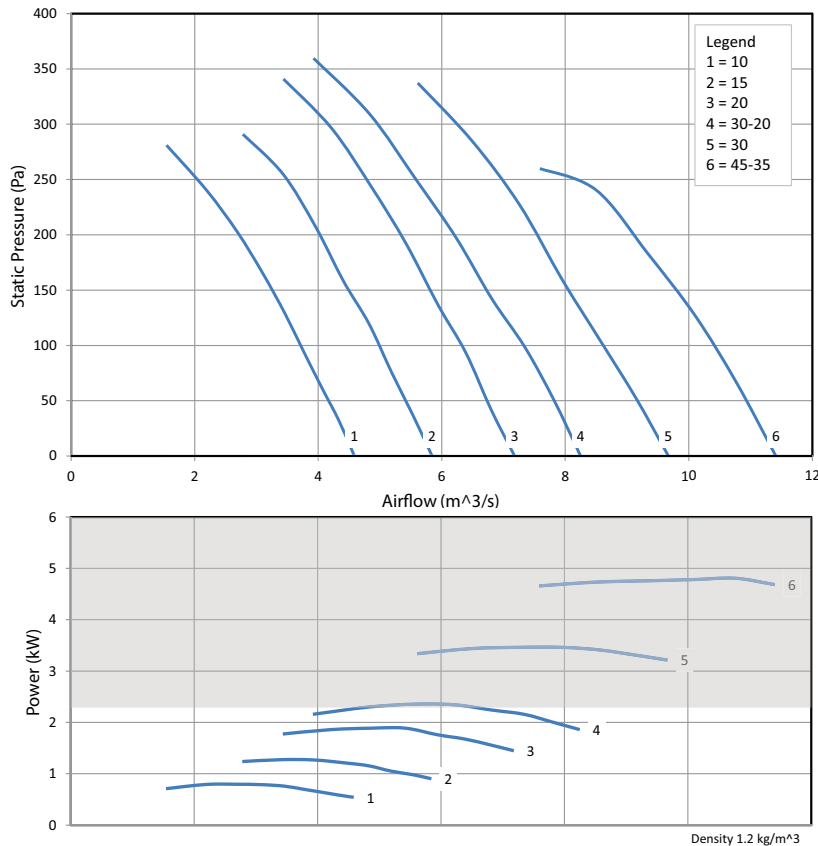


Blade Pitch	FEG
20-10	85
30-10	85
40-10	85
40-20	85
40-30	80
40-40	75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	15	77	85	88	90	89	86	84	83	94	82.5
	349	81	89	88	97	96	90	86	84	99	87.5
	557	94	92	92	95	92	89	89	90	98	86.5
40-10°	33	98	98	88	90	92	90	88	86	96	84.5
	382	98	98	86	91	93	89	89	89	97	85.5
	589	105	105	97	94	94	92	93	92	100	88.5
40-20°	58	105	105	90	91	93	90	90	90	98	86.5
	257	99	99	89	90	92	89	92	93	98	86.5
	481	98	98	89	92	92	91	92	93	99	87.5
40-30°	58	100	100	94	94	96	93	94	94	101	89.5
	290	98	98	90	92	93	91	92	94	99	87.5
	456	98	98	90	92	92	90	91	94	99	87.5
40°	66	102	102	95	96	98	94	95	97	103	91.5
	166	102	102	95	94	97	93	94	96	102	90.5
	348	109	109	101	97	98	94	94	93	103	91.5

RA-800-225-4 (1450 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

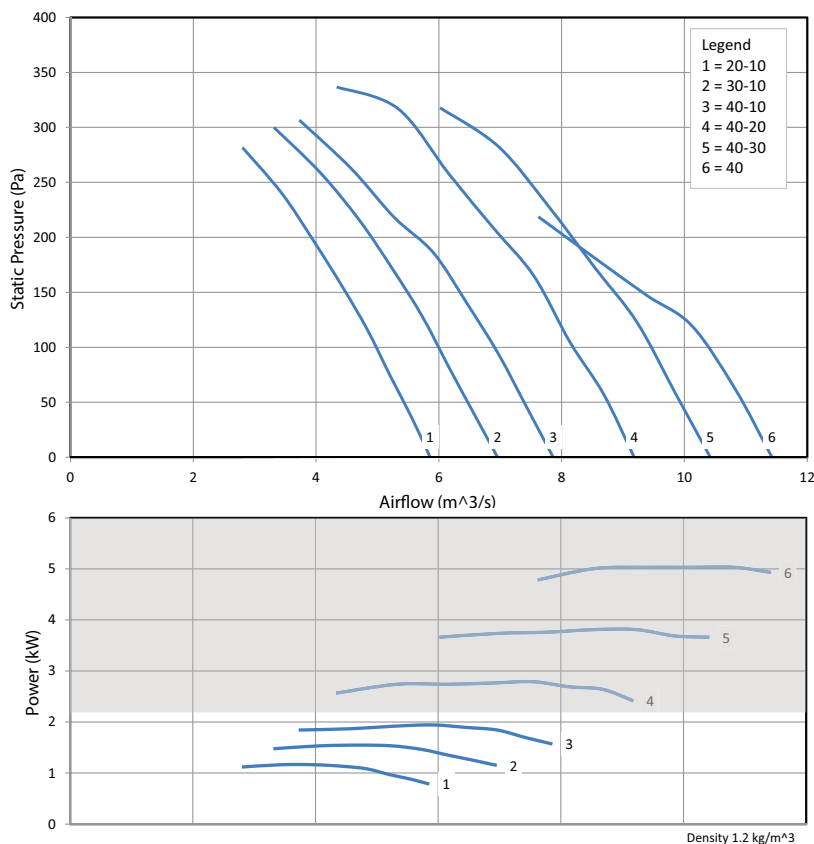


Blade Pitch	FEG
10	75
15-15	80
20-20	80
30-20	80
30-30	75
45-35	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	8	76	83	86	86	82	80	79	79	89	77.5
	199	74	83	85	89	89	84	80	79	92	80.5
	341	80	85	87	87	84	82	84	85	91	79.5
20°	19	92	92	82	85	84	81	81	79	89	77.5
	153	95	95	82	84	83	80	81	82	89	77.5
	333	92	92	86	91	88	84	84	84	93	81.5
30-20°	23	90	90	85	89	87	84	83	82	92	80.5
	161	88	88	84	88	86	84	86	85	93	81.5
	344	86	86	84	88	87	85	87	86	94	82.5
30°	22	101	101	87	89	89	89	89	88	96	84.5
	173	95	95	85	87	88	87	88	88	95	83.5
	345	99	99	86	87	88	87	88	88	95	83.5
45-35°	50	96	96	90	91	91	89	91	91	98	86.5
	128	97	97	91	91	91	89	90	90	97	85.5
	234	93	93	88	90	90	87	89	89	96	84.5

RA-800-225-4 (1450 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

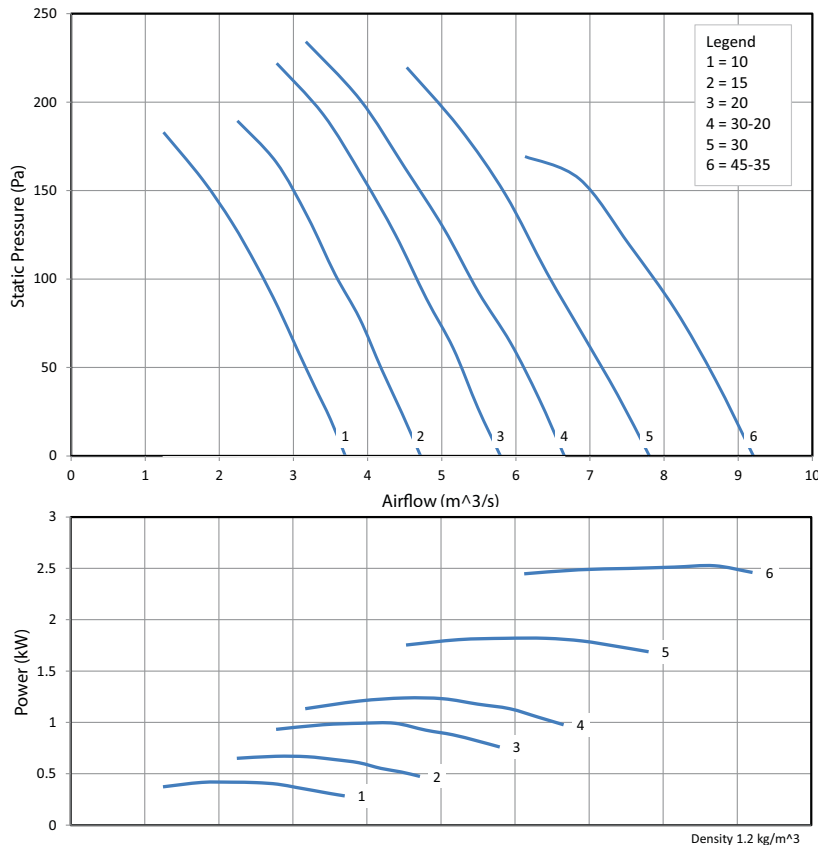


Blade Pitch	FEG
20-10	85
30-10	85
40-10	85
40-20	85
40-30	80
40-40	75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	10	73	81	85	86	84	81	79	78	89	77.5
	234	76	84	84	96	91	84	81	80	95	83.5
	374	89	87	88	91	87	83	86	85	93	81.5
40-10°	22	93	93	84	86	87	85	83	81	92	80.5
	256	94	94	83	87	88	85	84	83	93	81.5
	395	100	100	92	90	89	88	88	86	96	84.5
40-20°	39	101	101	86	87	88	86	86	85	94	82.5
	173	95	95	85	86	86	86	88	87	94	82.5
	323	94	94	86	88	87	87	88	88	95	83.5
40-30°	39	96	96	89	91	90	89	90	89	97	85.5
	195	93	93	86	88	88	87	89	89	95	83.5
	306	94	94	86	88	87	86	88	89	94	82.5
40°	45	98	98	91	92	92	90	92	92	99	87.5
	111	98	98	91	91	91	89	90	91	98	86.5
	234	105	105	95	93	92	90	90	87	98	86.5

RA-800-225-4 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

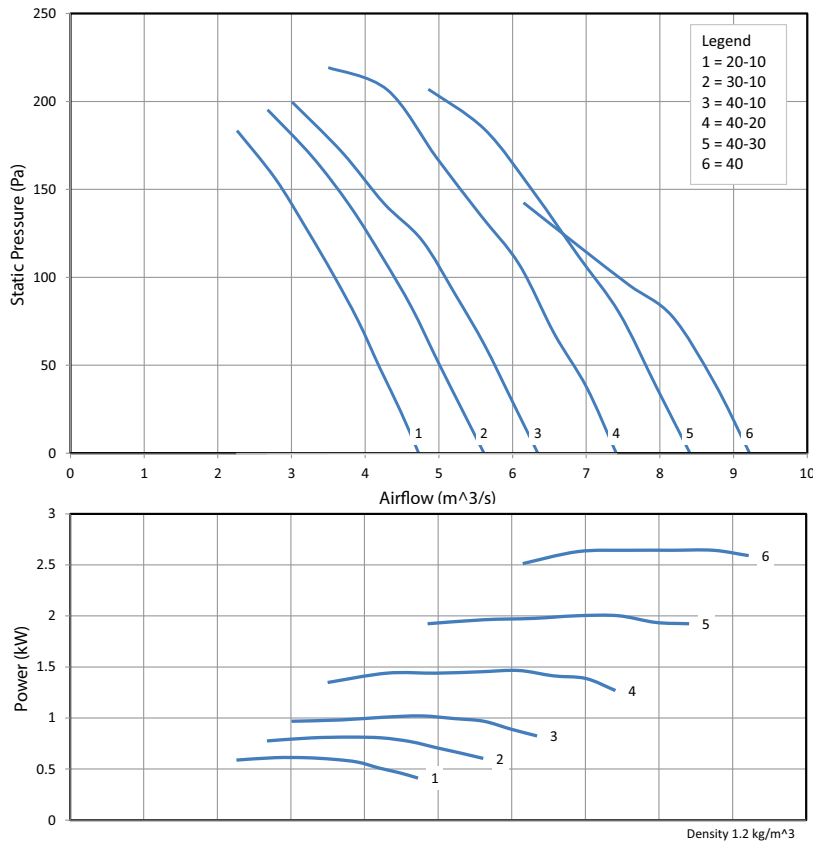


Blade Pitch	FEG
10	75
15-15	80
20-20	80
30-20	80
30-30	75
45-35	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	5	77	80	82	80	77	75	75	74	83	71.5
	130	78	78	82	85	83	78	75	74	87	75.5
	222	79	81	83	81	78	79	80	81	87	75.5
20°	12	87	78	78	81	78	76	76	74	84	72.5
	100	90	77	77	81	77	75	78	77	84	72.5
	217	87	76	83	87	82	78	80	79	88	76.5
30-20°	15	85	78	81	85	81	78	79	77	87	75.5
	105	83	77	80	85	80	80	82	80	88	76.5
	224	81	76	81	84	81	81	84	81	89	77.5
30°	14	96	86	83	85	84	84	85	83	91	79.5
	112	90	83	81	83	83	83	84	82	90	78.5
	225	95	85	82	83	83	82	84	82	90	78.5
45-35°	33	91	87	86	87	85	85	87	85	93	81.5
	83	92	89	86	87	85	84	86	85	92	80.5
	152	88	84	83	86	84	83	85	84	91	79.5

RA-800-225-4 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

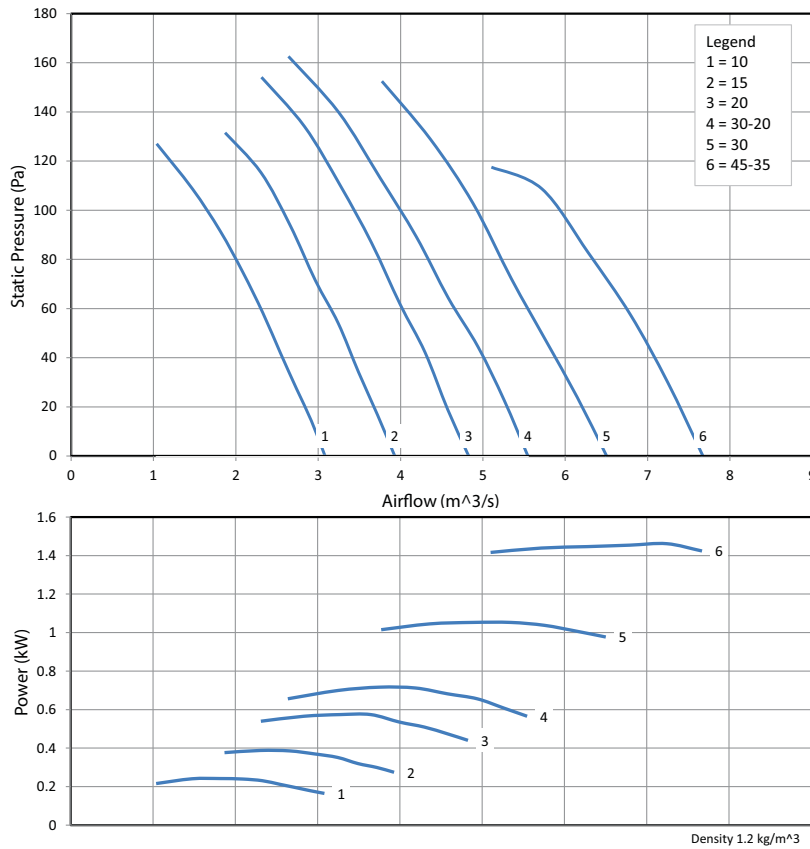


Blade Pitch	FEG
20-10	85
30-10	85
40-10	85
40-20	85
40-30	80
40-40	75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	6	76	77	81	81	78	76	74	73	84	72.5
	152	80	80	83	89	84	78	76	75	89	77.5
	243	84	83	85	85	81	79	81	80	88	76.5
40-10°	14	89	82	80	82	82	79	78	76	87	75.5
	167	89	80	80	84	82	80	80	78	88	76.5
	257	96	90	86	85	84	83	84	80	91	79.5
40-20°	25	96	85	82	83	82	81	81	79	88	76.5
	112	90	82	80	82	81	82	84	81	89	77.5
	210	89	82	82	83	82	83	84	82	90	78.5
40-30°	25	91	86	85	87	85	84	86	83	92	80.5
	127	89	83	82	84	82	83	85	83	91	79.5
	199	89	83	82	83	82	81	84	83	90	78.5
40°	29	93	88	87	89	86	85	88	86	94	82.5
	72	93	88	85	87	85	84	87	85	93	81.5
	152	100	94	89	89	87	85	85	81	93	81.5

RA-800-225-4 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

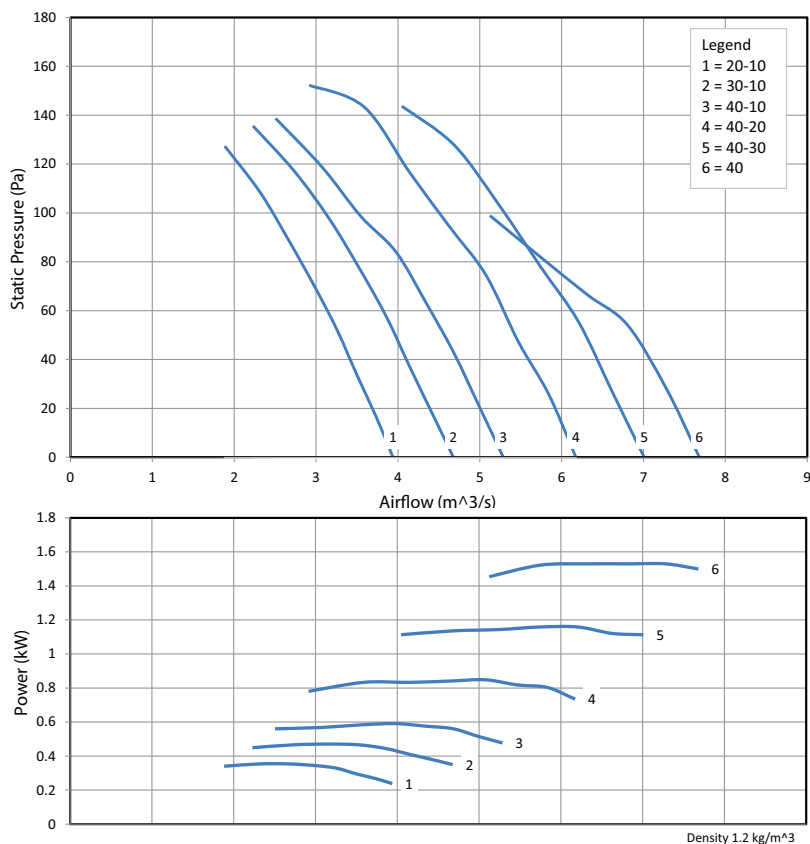


Blade Pitch	FEG
10	75
15-15	80
20-20	80
30-20	80
30-30	75
45-35	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	4	73	77	79	75	72	71	71	70	79	67.5
	90	74	75	79	82	77	73	71	69	83	71.5
	154	75	78	79	77	74	75	76	77	83	71.5
20°	9	83	74	75	77	73	72	72	69	80	68.5
	69	86	73	74	76	72	72	73	73	80	68.5
	150	83	74	80	82	77	75	76	75	84	72.5
30-20°	10	81	75	78	80	76	75	75	73	83	71.5
	73	79	74	78	80	76	76	78	75	84	72.5
	156	77	73	78	79	77	77	79	76	85	73.5
30°	10	92	78	79	82	80	80	81	78	87	75.5
	78	86	76	77	80	78	79	80	77	86	74.5
	156	91	77	78	80	78	78	80	78	86	74.5
45-35°	23	87	82	82	84	80	81	84	80	89	77.5
	58	88	84	81	84	80	80	83	80	89	77.5
	106	84	79	80	83	79	79	82	79	87	75.5

RA-800-225-4 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

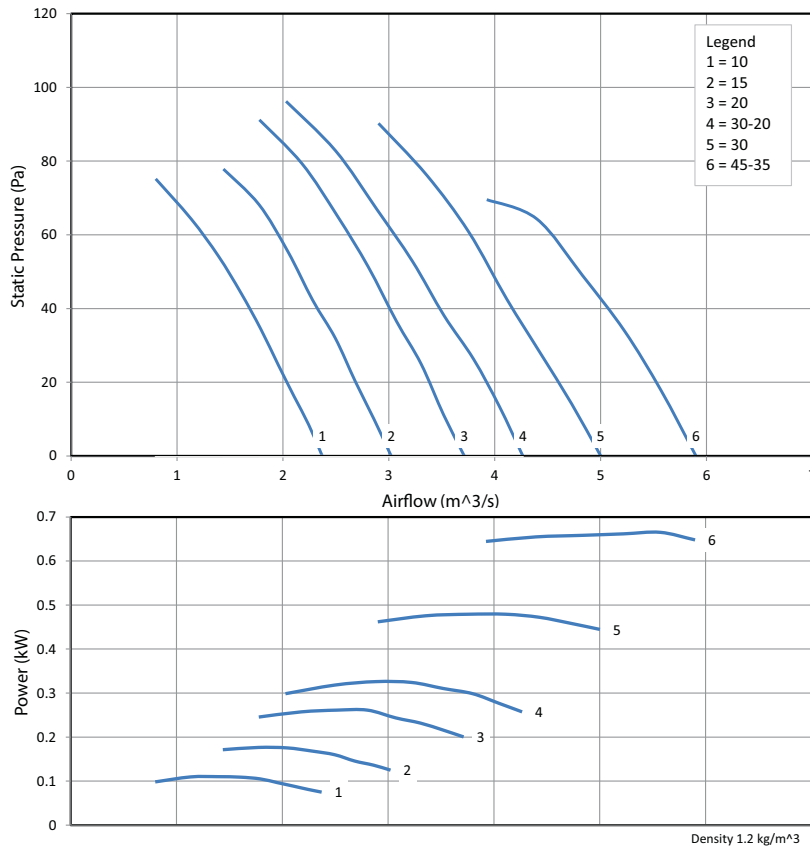


Blade Pitch	FEG
20-10	85
30-10	85
40-10	85
40-20	85
40-30	80
40-40	75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	4	72	75	77	76	73	71	70	69	79	67.5
	106	76	75	82	84	78	73	72	71	84	72.5
	169	79	79	81	80	76	76	77	76	84	72.5
40-10°	10	85	75	76	79	77	75	74	71	82	70.5
	116	85	73	77	81	77	75	76	73	84	72.5
	179	92	85	81	82	79	80	80	75	86	74.5
40-20°	18	92	77	78	80	77	77	78	75	84	72.5
	78	86	76	77	79	76	78	80	76	85	73.5
	146	85	76	78	80	77	79	81	77	86	74.5
40-30°	18	87	81	81	83	80	81	82	78	88	76.5
	88	85	77	79	80	78	79	82	78	87	75.5
	138	85	77	78	80	77	78	81	79	86	74.5
40°	20	89	82	83	85	81	82	85	81	90	78.5
	50	89	83	81	84	80	80	84	81	89	77.5
	106	96	88	84	85	82	81	81	76	89	77.5

RA-800-225-4 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

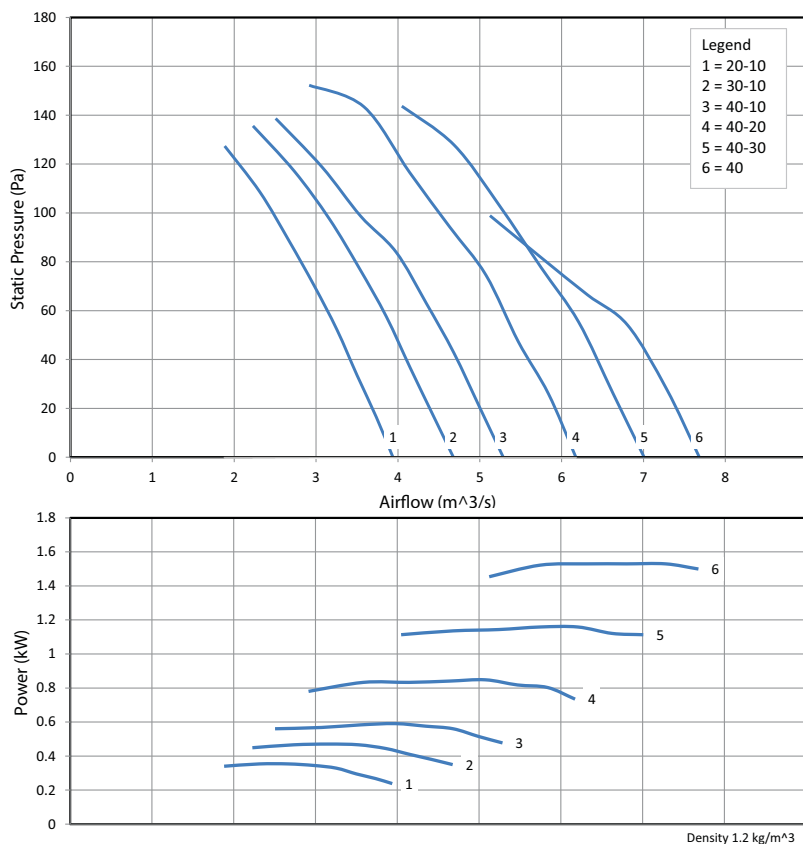


Blade Pitch	FEG
10	75
15-15	80
20-20	80
30-20	80
30-30	75
45-35	80
40-40	75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	2	68	72	72	68	66	65	65	64	73	61.5
	53	68	70	75	75	70	66	65	63	76	64.5
	91	70	72	73	70	68	70	71	71	77	65.5
20°	5	78	68	70	70	67	66	65	62	73	61.5
	41	80	68	70	68	66	67	67	67	74	62.5
	89	78	71	76	74	70	70	70	68	78	66.5
30-20°	6	75	70	74	73	70	69	68	66	77	65.5
	43	74	70	74	72	70	72	71	68	78	66.5
	92	71	70	74	72	71	73	72	70	79	67.5
30°	6	87	72	74	75	74	75	74	71	81	69.5
	46	80	71	72	74	73	74	74	71	80	68.5
	92	85	72	73	73	72	73	74	71	80	68.5
45-35°	13	82	76	77	77	75	77	77	72	83	71.5
	34	83	77	77	77	74	76	76	73	82	70.5
	63	78	74	75	76	73	74	75	72	81	69.5

RA-800-225-4 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

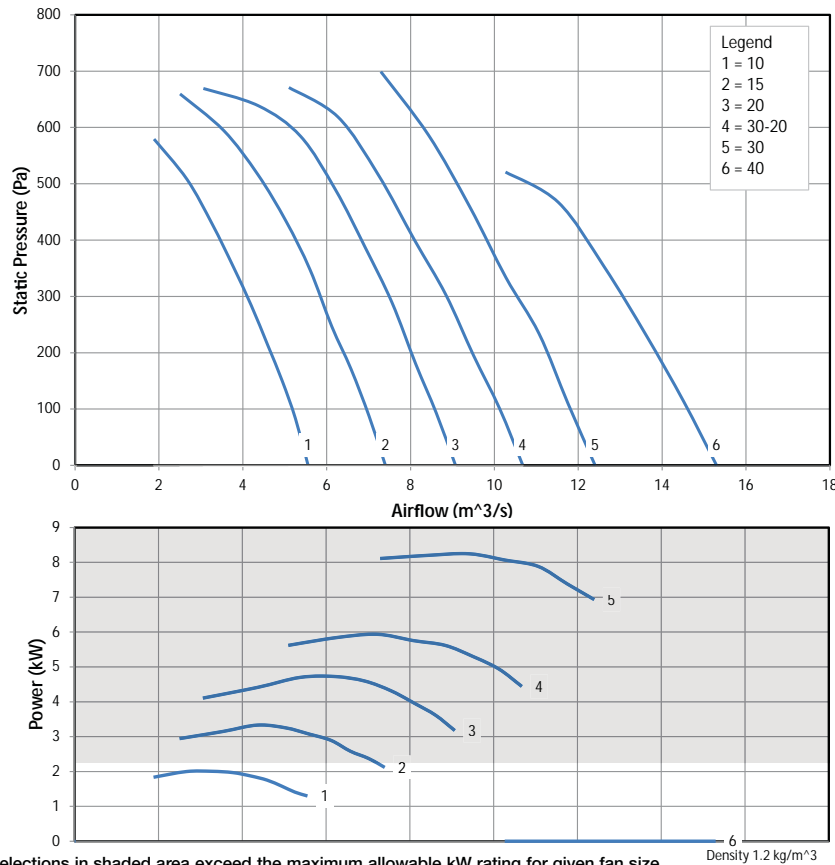


Blade Pitch	FEG
20-10	85
30-10	85
40-10	85
40-20	85
40-30	80
40-40	75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	3	66	71	72	69	67	65	64	63	73	61.5
	63	70	70	81	76	70	67	66	65	78	66.5
	100	73	74	77	73	69	71	71	70	78	66.5
40-10°	6	79	70	72	73	70	69	67	64	76	64.5
	68	80	69	73	74	70	70	69	66	77	65.5
	106	86	78	76	75	73	74	72	68	80	68.5
40-20°	10	87	72	73	73	71	71	71	68	78	66.5
	46	81	70	72	72	71	73	73	69	79	67.5
	86	79	71	73	73	72	74	74	70	80	68.5
40-30°	10	82	75	76	76	74	76	75	70	82	70.5
	52	79	72	74	74	73	74	75	72	81	69.5
	82	80	72	73	73	71	73	75	72	80	68.5
40°	12	84	77	78	78	76	77	78	74	84	72.5
	30	83	76	77	77	75	76	77	74	83	71.5
	63	90	81	79	78	76	75	73	68	82	70.5

RA-800-225-6 (1770 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

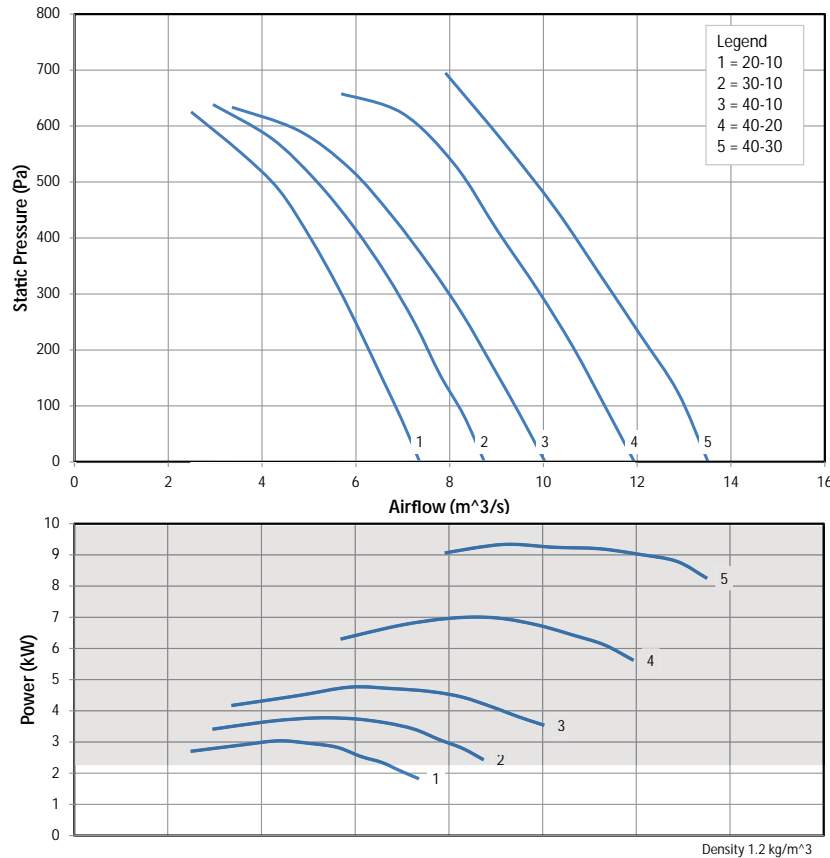


Blade Pitch	FEG
10	75
15-15	80
20-20	80
30-20	80
30-30	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	12	77	82	90	90	89	87	86	84	94	82.5
	491	80	85	93	99	98	91	87	85	101	89.5
	720	78	92	92	92	90	87	90	90	97	85.5
20°	34	82	92	91	90	91	90	89	87	96	84.5
	581	82	88	89	97	101	92	93	92	103	91.5
	832	102	100	97	101	102	94	95	94	105	93.5
30-20°	41	95	100	98	92	92	91	90	88	98	86.5
	348	93	103	101	90	92	89	91	91	99	87.5
	664	92	96	95	92	94	92	93	93	100	88.5
30°	50	93	98	98	93	95	92	94	94	101	89.5
	390	90	94	94	93	94	92	95	95	101	89.5
	730	90	92	92	92	93	91	94	96	100	88.5
40°	75	97	100	100	96	100	95	97	99	105	93.5
	249	96	99	98	95	98	95	97	98	104	92.5
	547	96	101	100	93	98	93	95	97	103	91.5

RA-800-225-6 (1770 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).



Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

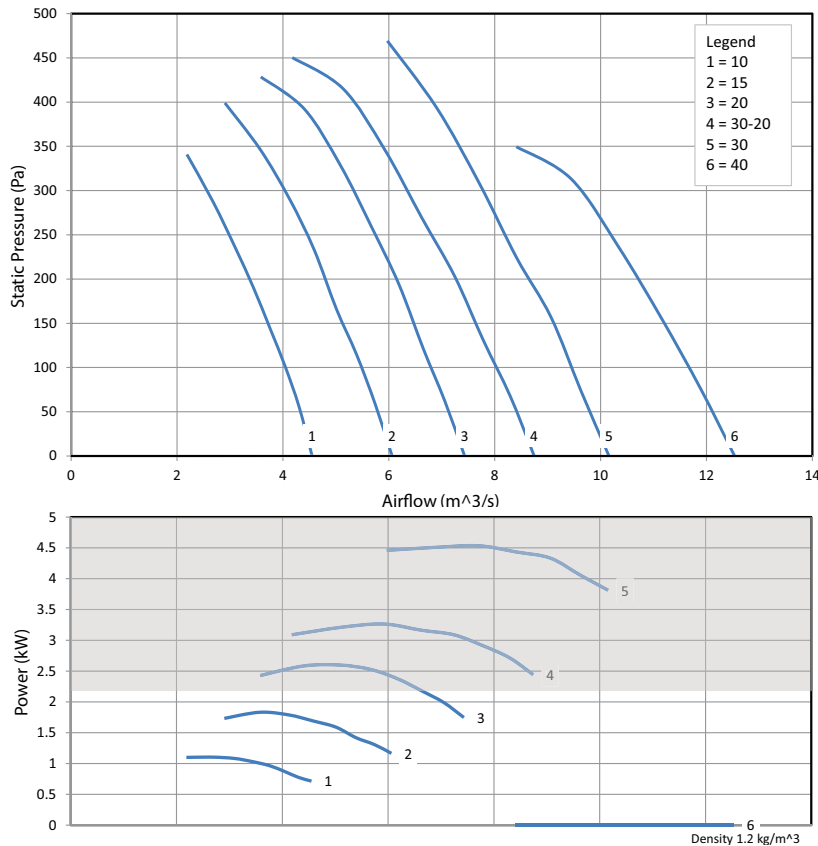


Blade Pitch	FEG
20-10	80
30-10	85
40-10	85
40-20	85
40-30	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	26	76	86	88	93	91	89	87	85	96	84.5
	479	77	88	88	96	99	93	89	86	101	89.5
	768	94	98	95	95	93	91	92	92	100	88.5
30-10°	23	84	93	91	91	92	91	89	86	97	85.5
	496	84	88	90	97	99	94	90	88	102	90.5
	758	99	98	97	97	96	94	94	94	102	90.5
40-10°	41	93	96	96	91	93	91	89	88	98	86.5
	506	93	95	95	95	97	93	90	89	101	89.5
	738	105	104	99	97	97	95	95	95	103	91.5
40-20°	58	92	97	96	93	94	91	91	89	99	87.5
	373	94	100	98	90	92	90	91	91	99	87.5
	655	93	96	95	92	93	92	94	93	100	88.5
40-30°	75	94	97	97	94	97	94	95	95	102	90.5
	382	91	93	93	92	96	93	95	95	102	90.5
	664	93	93	92	91	93	91	94	95	100	88.5

RA-800-225-6 (1450 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	8	74	80	86	86	84	82	81	79	90	78.5
	329	77	83	90	95	92	86	82	81	96	84.5
	483	77	87	88	87	85	84	85	86	92	80.5
20°	23	77	88	86	86	86	85	84	81	92	80.5
	390	77	84	85	97	92	88	89	87	98	86.5
	558	98	94	93	100	94	90	91	88	100	88.5
30-20°	28	90	95	92	88	88	86	85	83	94	82.5
	234	89	98	93	86	86	85	87	86	94	82.5
	445	88	91	90	89	89	88	89	87	96	84.5
30°	33	88	94	92	89	90	88	90	89	96	84.5
	262	85	89	89	89	89	89	91	89	96	84.5
	490	86	87	87	88	88	88	90	91	96	84.5
40°	50	92	96	94	93	94	92	94	93	100	88.5
	167	91	94	93	92	92	91	93	93	99	87.5
	367	91	96	93	91	92	89	91	92	98	86.5



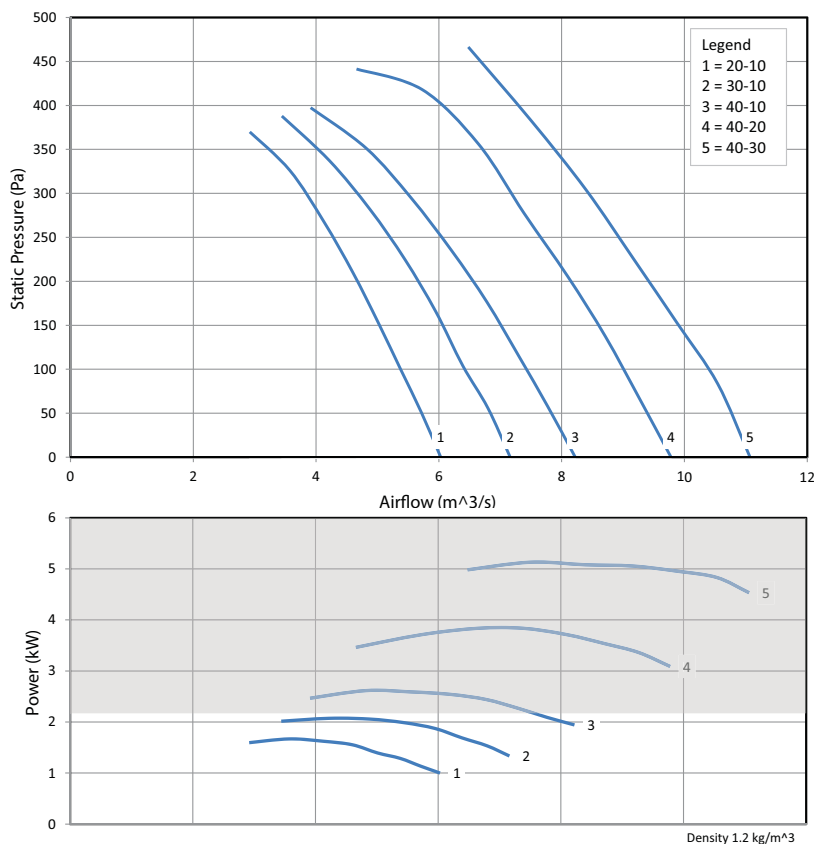
Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.



Blade Pitch	FEG
10	75
15-15	80
20-20	80
30-20	80
30-30	80

RA-800-225-6 (1450 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).



Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

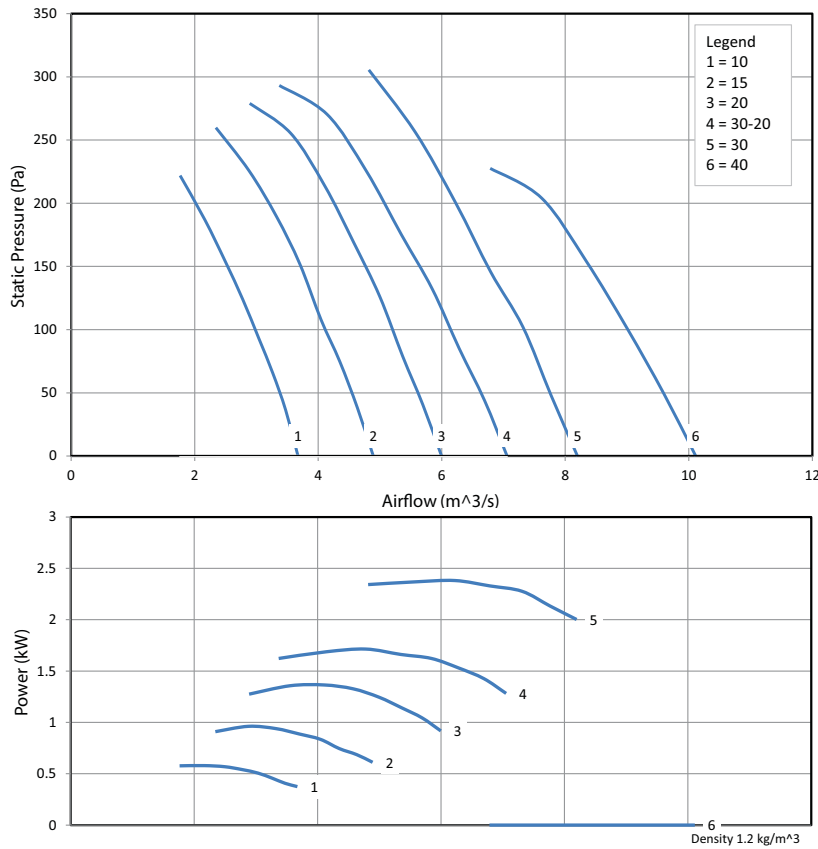


Blade Pitch	FEG
20-10	80
30-10	85
40-10	85
40-20	85
40-30	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	17	72	82	84	91	86	84	82	80	92	80.5
	321	73	84	84	95	94	87	83	81	97	85.5
	516	90	94	90	91	88	86	89	87	95	83.5
30-10°	15	80	88	86	87	87	86	84	81	92	80.5
	333	79	84	88	95	94	88	85	82	97	85.5
	509	95	94	93	93	91	90	91	89	98	86.5
40-10°	28	89	92	90	87	88	86	85	82	93	81.5
	340	89	91	91	91	92	88	85	83	96	84.5
	495	100	98	94	93	92	90	91	89	98	86.5
40-20°	39	88	93	91	89	89	87	86	83	94	82.5
	251	90	95	91	87	87	86	87	86	94	82.5
	440	89	91	89	88	88	88	90	88	96	84.5
40-30°	50	90	93	91	91	91	90	91	89	97	85.5
	256	86	89	88	89	91	89	91	90	97	85.5
	445	89	89	87	87	88	88	90	90	96	84.5

RA-800-225-6 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

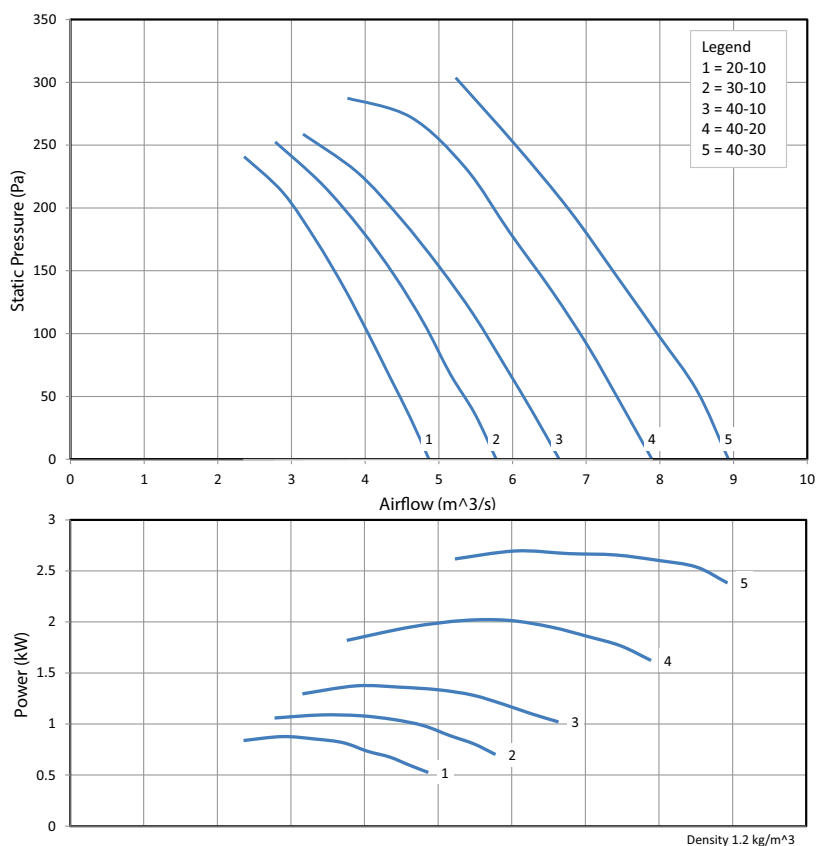


Blade Pitch	FEG
10	75
15-15	80
20-20	80
30-20	80
30-30	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	5	71	78	81	81	79	77	76	74	85	73.5
	214	74	81	88	90	85	80	77	75	90	78.5
	315	77	83	83	82	80	80	81	81	88	76.5
20°	15	73	83	80	82	81	81	79	76	87	75.5
	254	73	79	81	97	83	83	85	81	95	83.5
	364	93	88	88	99	85	85	87	82	97	85.5
30-20°	18	86	91	85	83	82	81	80	77	88	76.5
	152	84	94	84	82	81	81	83	80	89	77.5
	290	83	87	84	85	84	84	85	81	91	79.5
30°	22	84	89	85	86	84	84	86	83	92	80.5
	170	81	85	84	85	83	85	86	83	92	80.5
	319	81	83	82	83	83	84	86	85	91	79.5
40°	33	88	91	87	90	88	88	90	87	95	83.5
	109	87	90	87	88	87	87	89	87	95	83.5
	239	87	92	86	88	85	85	88	86	93	81.5

RA-800-225-6 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

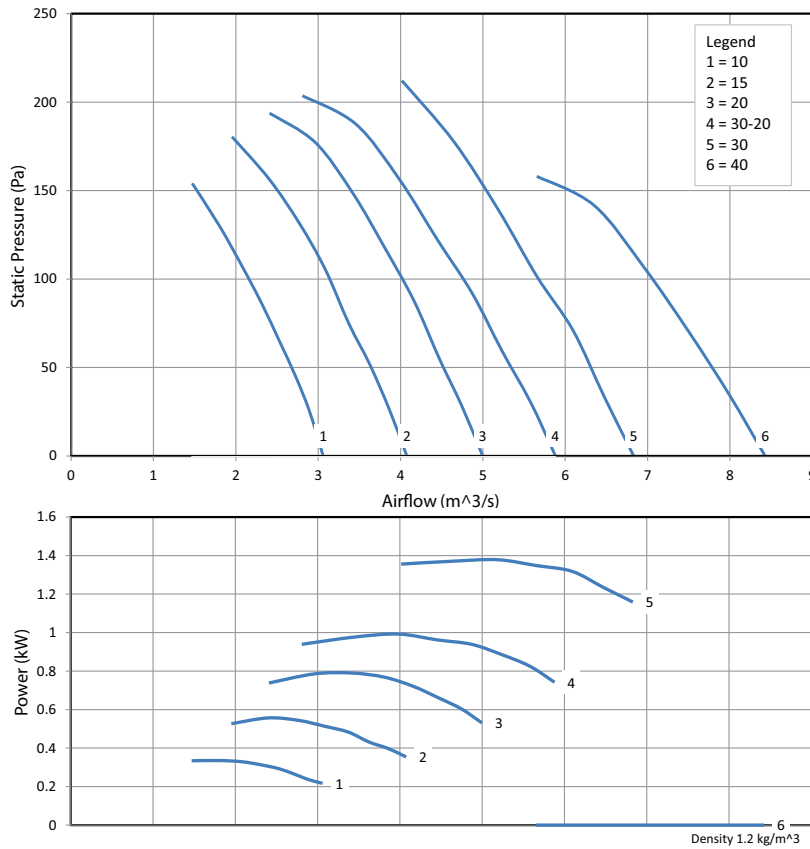


Blade Pitch	FEG
20-10	80
30-10	85
40-10	85
40-20	85
40-30	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	11	70	78	82	84	80	78	76	74	86	74.5
	209	72	79	83	90	87	81	78	76	91	79.5
	336	86	89	86	86	83	82	84	82	90	78.5
30-10°	10	75	84	81	83	82	81	79	76	88	76.5
	217	75	79	85	92	88	82	80	77	93	81.5
	331	90	89	88	89	86	85	87	83	93	81.5
40-10°	18	84	87	83	84	83	81	80	76	88	76.5
	221	84	86	86	88	85	82	81	77	90	78.5
	323	96	92	89	88	86	86	87	83	93	81.5
40-20°	25	83	88	85	85	83	82	81	78	89	77.5
	163	85	91	84	83	82	82	82	80	89	77.5
	286	84	87	83	84	83	84	85	81	91	79.5
40-30°	33	85	88	85	87	85	85	86	83	93	81.5
	167	82	84	83	86	85	85	87	83	92	80.5
	290	84	84	82	83	83	84	86	84	91	79.5

RA-800-225-6 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

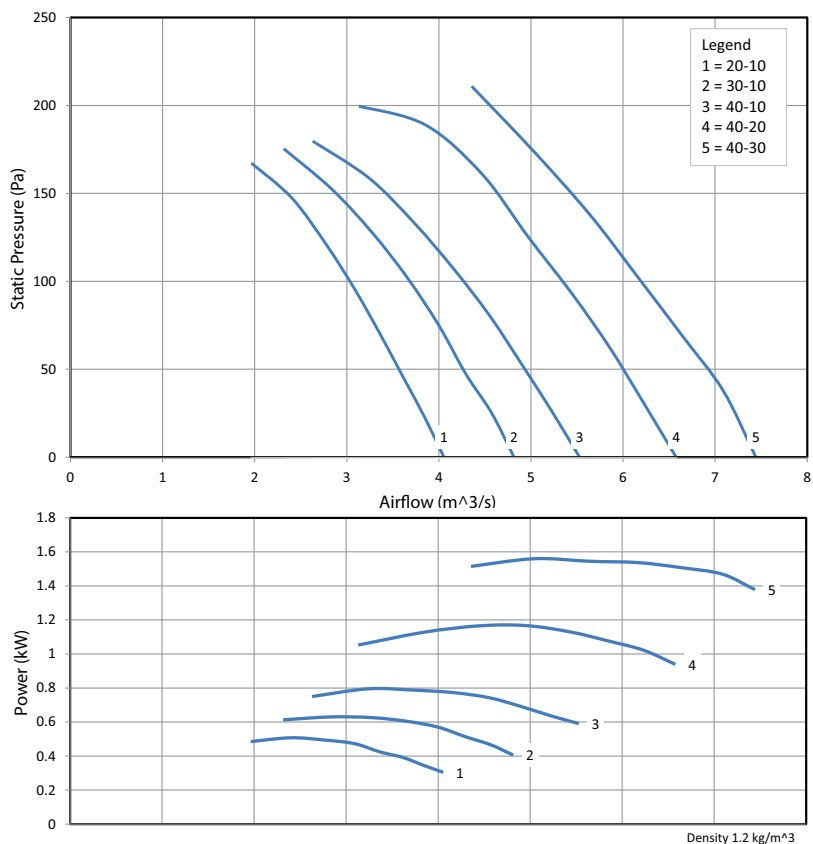


Blade Pitch	FEG
10	75
15-15	80
20-20	80
30-20	80
30-30	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	4	68	76	77	76	74	73	71	70	80	68.5
	149	71	79	85	85	79	75	73	71	86	74.5
	218	77	79	79	78	75	76	77	77	84	72.5
20°	10	71	79	77	78	77	76	74	71	83	71.5
	176	70	76	81	90	79	80	80	76	89	77.5
	253	88	84	87	91	81	81	81	77	91	79.5
30-20°	13	82	87	79	80	78	77	76	73	84	72.5
	106	80	90	76	79	76	77	79	75	85	73.5
	201	79	83	79	82	79	80	81	76	87	75.5
30°	15	80	85	80	82	79	81	82	77	88	76.5
	118	77	81	79	81	79	82	82	78	88	76.5
	221	77	79	78	80	78	80	83	80	88	76.5
40°	23	84	87	82	88	82	84	86	82	92	80.5
	75	83	86	82	85	82	83	86	82	91	79.5
	166	83	88	80	86	80	81	85	82	90	78.5

RA-800-225-6 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

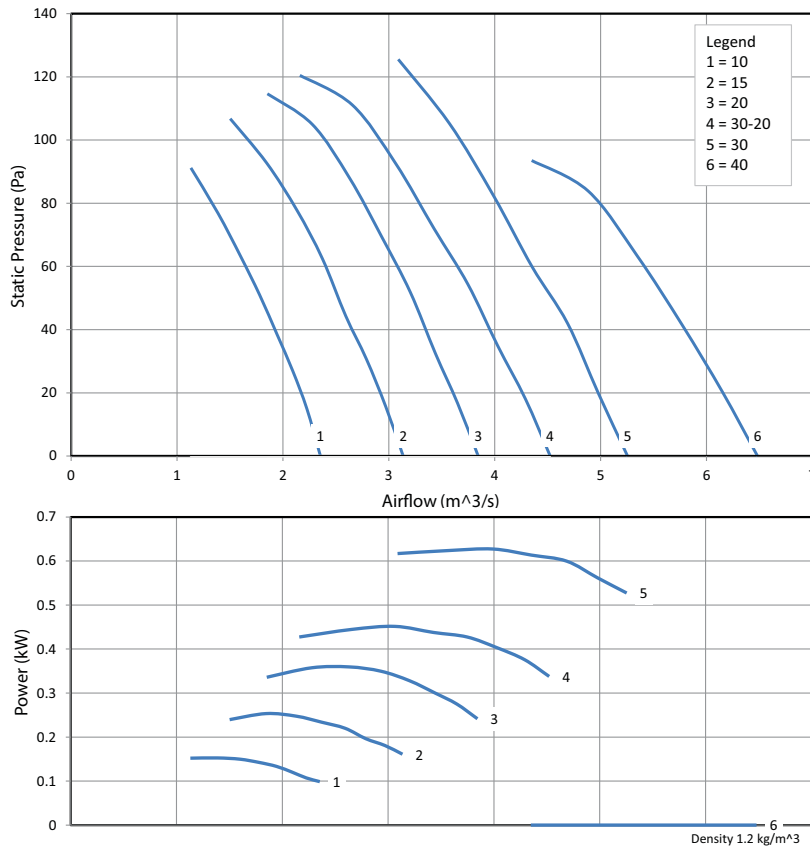


Blade Pitch	FEG
20-10	80
30-10	85
40-10	85
40-20	85
40-30	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	8	69	75	79	79	76	74	72	70	82	70.5
	145	71	75	81	86	81	76	74	72	86	74.5
	233	83	85	82	81	79	79	79	77	86	74.5
30-10°	7	74	80	77	79	78	76	74	71	83	71.5
	150	72	77	83	87	82	77	75	72	88	76.5
	230	86	85	84	84	82	81	82	78	89	77.5
40-10°	13	80	83	78	81	79	77	75	71	84	72.5
	153	80	82	81	85	80	77	76	72	86	74.5
	224	92	86	84	84	82	82	83	78	89	77.5
40-20°	18	79	84	79	81	79	78	76	73	85	73.5
	113	81	87	77	80	77	78	79	74	85	73.5
	199	80	83	78	81	79	81	81	76	87	75.5
40-30°	23	81	84	80	84	80	82	83	78	89	77.5
	116	78	80	78	84	80	82	83	78	89	77.5
	201	80	79	78	80	78	80	83	79	88	76.5

RA-800-225-6 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

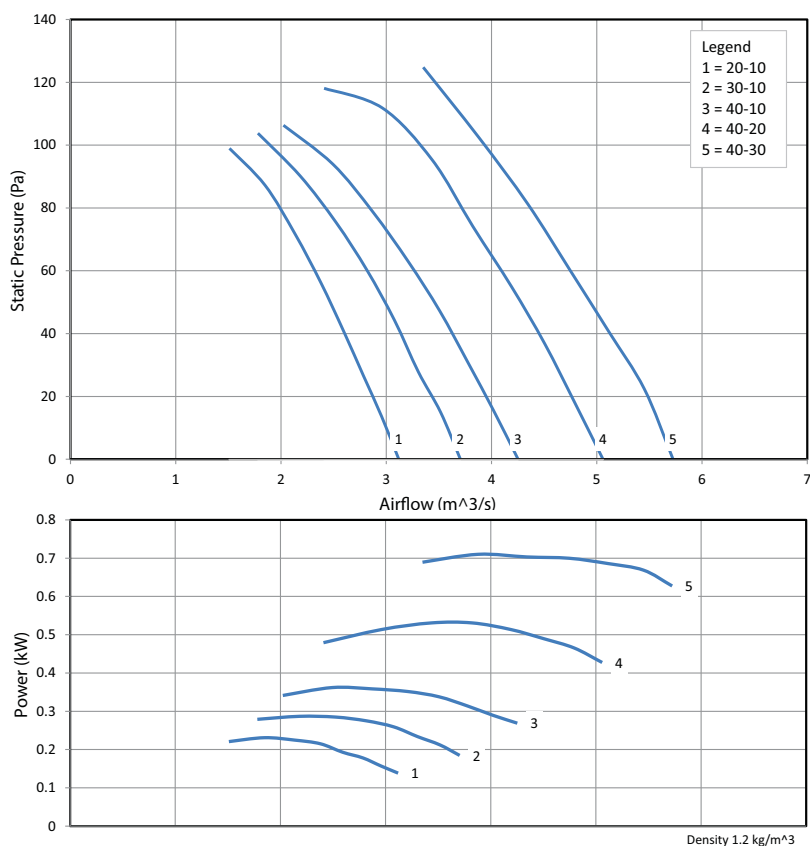


Blade Pitch	FEG
10	75
15-15	80
20-20	80
30-20	80
30-30	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	2	65	71	71	70	68	67	65	63	74	62.5
	88	68	76	80	78	71	68	66	64	79	67.5
	129	73	73	73	71	69	71	71	72	78	66.5
20°	6	73	72	72	72	71	70	67	64	76	64.5
	104	69	71	82	79	74	75	72	69	82	70.5
	149	80	78	85	81	75	76	74	70	84	72.5
30-20°	7	81	78	73	73	72	71	69	66	78	66.5
	63	84	79	72	72	71	72	72	68	79	67.5
	119	77	76	74	75	74	75	73	69	81	69.5
30°	9	80	78	75	75	74	76	75	70	82	70.5
	70	75	75	74	75	74	76	75	71	82	70.5
	131	73	73	73	73	73	76	76	73	82	70.5
40°	13	82	80	79	80	77	79	79	75	85	73.5
	45	80	79	77	78	77	79	79	75	85	73.5
	98	82	79	76	78	75	77	78	75	84	72.5

RA-800-225-6 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

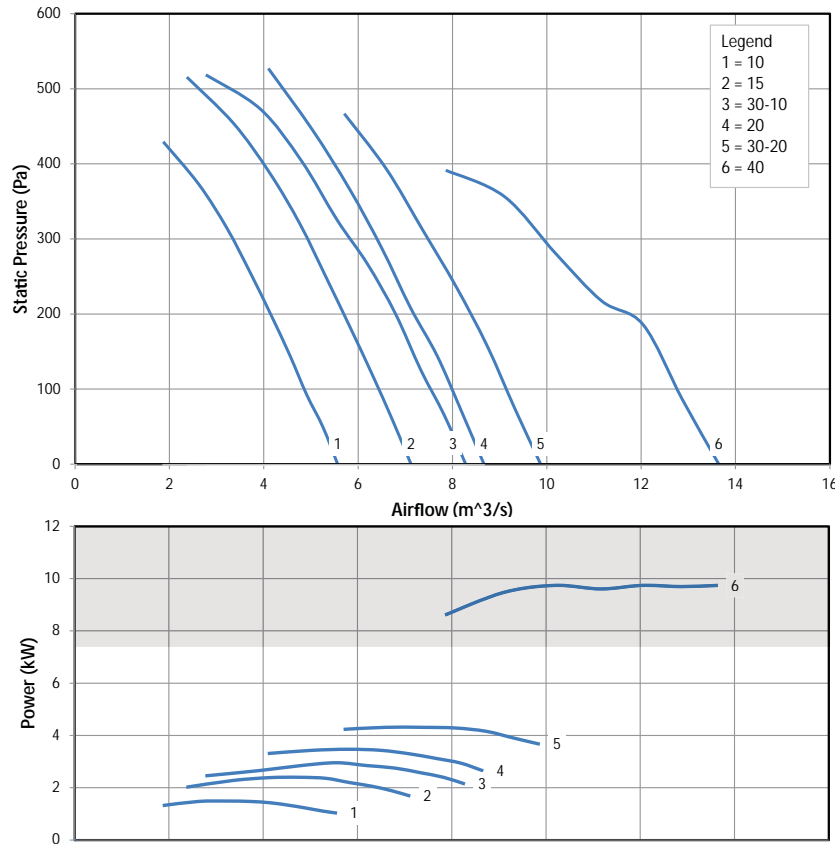


Blade Pitch	FEG
20-10	80
30-10	85
40-10	85
40-20	85
40-30	80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	5	68	70	76	72	70	68	66	64	75	63.5
	86	69	70	80	80	73	69	67	65	80	68.5
	138	79	76	77	74	72	74	73	71	80	68.5
30-10°	4	74	72	72	73	72	70	67	64	77	65.5
	89	69	73	80	80	74	71	68	65	81	69.5
	136	79	79	79	77	75	76	74	71	82	70.5
40-10°	7	78	76	73	74	72	70	68	64	78	66.5
	91	77	76	77	78	73	71	69	65	79	67.5
	133	84	80	79	77	76	77	75	71	83	71.5
40-20°	10	78	77	74	75	73	72	69	65	78	66.5
	67	81	77	72	73	72	72	71	67	79	67.5
	118	77	75	73	74	74	75	74	68	81	69.5
40-30°	13	79	77	76	77	75	76	75	70	82	70.5
	68	74	74	75	77	75	77	75	71	82	70.5
	119	74	73	73	74	73	76	76	72	82	70.5

RA-800-325-225-4 (1770 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Density 1.2 kg/m³



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

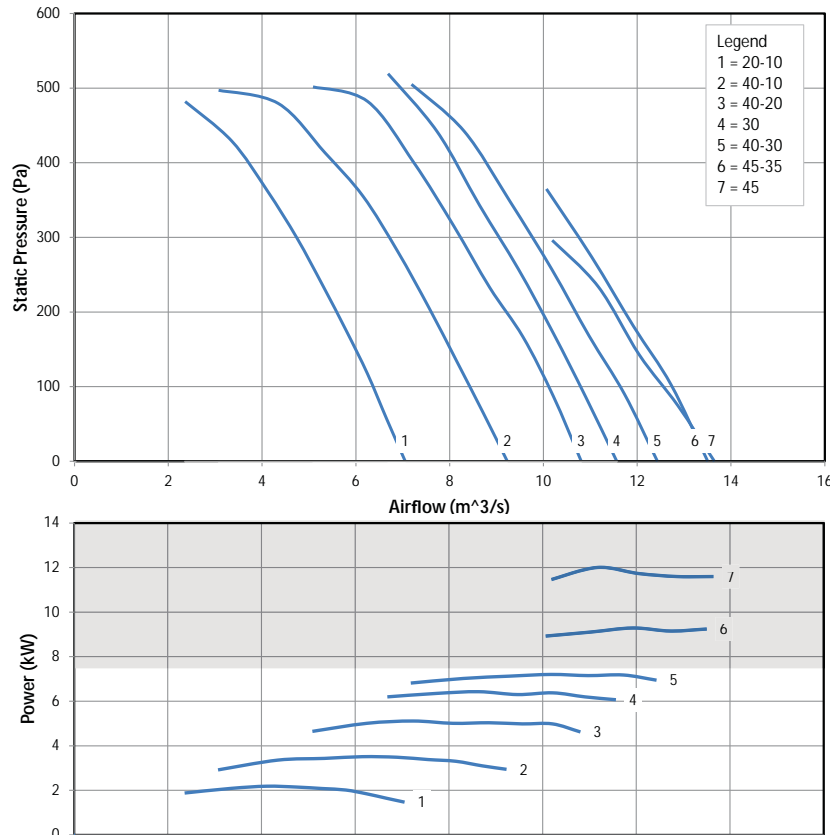


Blade Pitch	FEG
10	75
15-15	75
20-20	80
30-10	80
30-20	80
40-40	67

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	12	80	86	101	96	87	84	83	83	97	85.5
	304	80	82	100	98	94	88	84	83	99	87.5
	538	81	83	105	102	89	86	88	89	101	89.5
20°	26	82	89	91	91	89	85	84	83	94	82.5
	308	80	88	90	90	87	84	84	85	93	81.5
	542	87	88	93	97	95	90	87	88	99	87.5
30-10°	22	82	90	91	91	90	87	84	83	95	83.5
	386	79	88	90	92	91	88	86	86	96	84.5
	586	98	95	96	97	95	91	91	91	100	88.5
30-20°	28	96	96	90	91	92	89	87	86	96	84.5
	348	91	91	86	87	89	88	89	90	96	84.5
	553	92	93	96	99	98	93	91	92	102	90.5
40°	66	103	103	91	92	96	94	94	96	102	90.5
	232	105	105	97	94	95	93	93	93	101	89.5
	390	112	112	103	99	99	96	93	92	104	92.5

RA-800-325-225-4 (1770 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Density 1.2 kg/m³



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

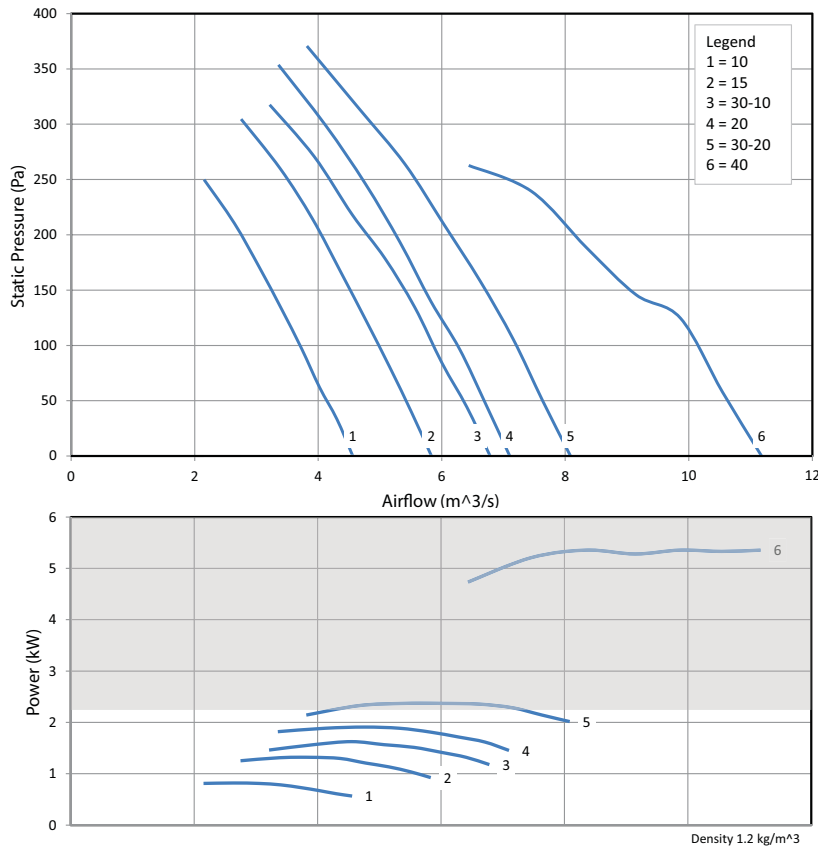


Blade Pitch	FEG
20-10	80
30-30	75
40-10	80
40-20	80
40-30	75
45-35	71
45-45	53

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	20	77	86	98	95	89	85	83	83	96	84.5
	344	77	83	96	98	96	89	84	84	99	87.5
	565	89	89	103	99	93	88	88	89	101	89.5
40-10°	34	92	92	88	89	91	88	86	85	95	83.5
	388	86	86	86	88	91	88	87	87	95	83.5
	587	109	109	96	96	95	92	91	91	101	89.5
40-20°	34	98	98	91	91	92	89	87	87	97	85.5
	257	93	93	89	89	91	89	89	90	96	84.5
	496	92	92	90	91	92	90	90	91	98	86.5
45-35°	66	102	102	91	92	94	93	93	95	101	89.5
	241	100	100	90	91	94	93	92	95	100	88.5
	431	112	112	104	100	98	95	92	91	104	92.5
45°	50	108	108	98	97	97	95	93	93	103	91.5
	174	107	107	99	97	97	94	93	93	102	90.5
	373	114	114	104	100	99	96	93	91	105	93.5

RA-800-325-225-4 (1450 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

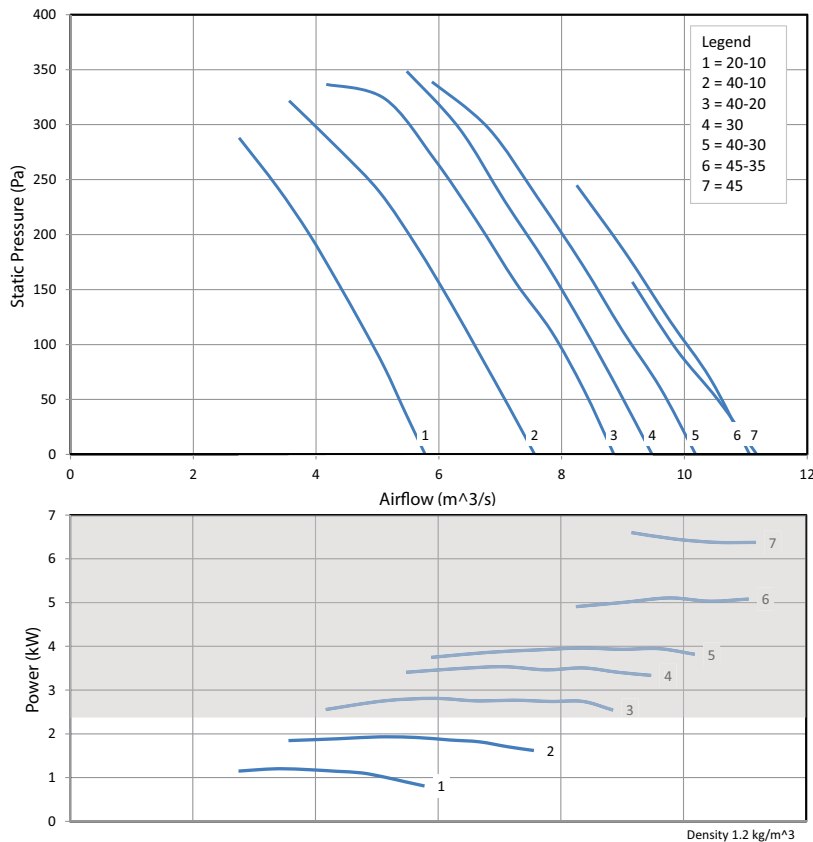


Blade Pitch	FEG
10	75
15-15	75
20-20	80
30-10	80
30-20	80
40-40	67

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	8	78	86	96	89	82	79	79	78	91	79.5
	204	76	83	95	92	88	83	80	79	94	82.5
	361	77	85	99	94	84	82	84	85	95	83.5
20°	17	78	84	88	87	84	79	80	78	89	77.5
	207	76	84	86	85	82	78	80	81	88	76.5
	364	83	83	90	94	90	83	83	84	95	83.5
30-10°	15	78	86	87	87	85	81	79	79	90	78.5
	259	75	84	86	88	87	82	81	82	91	79.5
	394	94	90	92	93	90	85	87	86	96	84.5
30-20°	19	92	92	86	87	87	83	82	81	91	79.5
	233	87	87	81	84	84	84	86	85	92	80.5
	371	88	89	93	95	92	87	88	87	97	85.5
40°	45	98	98	87	89	91	89	90	91	97	85.5
	156	101	101	91	90	90	89	89	88	96	84.5
	262	108	108	98	95	94	90	88	87	100	88.5

RA-800-325-225-4 (1450 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

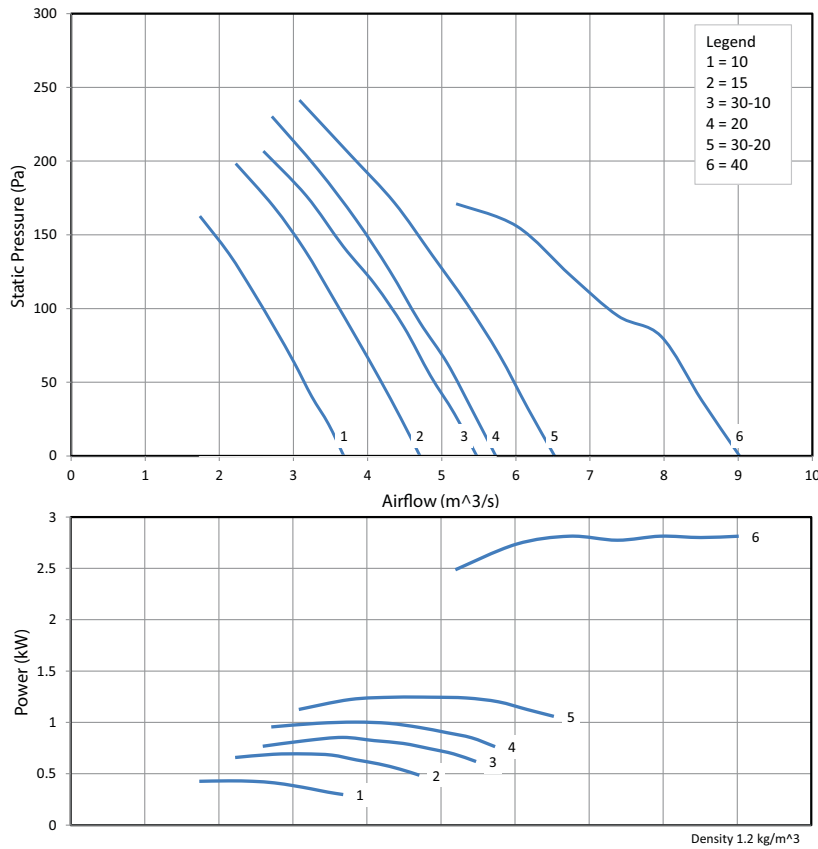


Blade Pitch	FEG
20-10	80
30-30	75
40-10	80
40-20	80
40-30	75
45-35	71
45-45	53

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	13	76	86	93	89	84	80	78	78	91	79.5
	231	75	83	92	93	89	83	80	79	94	82.5
	379	84	89	98	93	88	84	84	85	95	83.5
40-10°	23	88	88	84	86	86	83	81	80	90	78.5
	260	82	82	82	86	86	83	83	83	91	79.5
	394	105	105	92	92	90	87	87	85	96	84.5
40-20°	23	94	94	86	88	87	84	83	83	92	80.5
	172	89	89	84	86	86	84	85	85	92	80.5
	333	88	88	85	88	87	85	87	86	93	81.5
45-35°	45	98	98	87	88	90	89	90	90	96	84.5
	161	96	96	86	88	89	88	89	90	96	84.5
	289	108	108	98	95	93	90	88	86	99	87.5
45°	33	103	103	93	93	92	90	89	89	98	86.5
	117	103	103	94	93	92	90	89	88	98	86.5
	251	110	110	98	96	94	91	88	86	100	88.5

RA-800-325-225-4 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

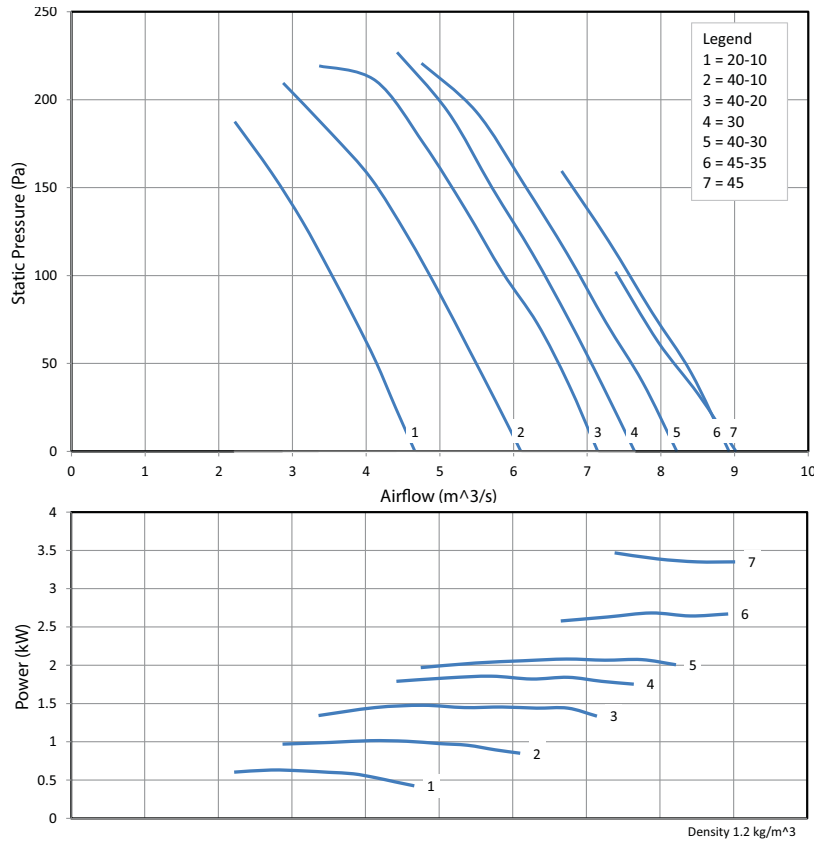


Blade Pitch	FEG
10	75
15-15	75
20-20	80
30-10	80
30-20	80
40-40	67

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	5	77	86	89	82	76	74	74	73	85	73.5
	133	73	83	90	87	82	77	75	74	88	76.5
	235	74	87	94	85	78	78	79	80	89	77.5
20°	11	80	81	83	81	78	75	75	73	84	72.5
	135	79	80	81	80	76	74	76	77	84	72.5
	237	79	81	87	88	83	78	78	79	89	77.5
30-10°	10	81	82	82	82	79	76	74	74	85	73.5
	169	79	80	82	83	81	77	77	77	86	74.5
	256	88	86	87	87	84	81	82	81	90	78.5
30-20°	12	87	82	81	83	81	77	78	76	86	74.5
	152	82	77	77	81	79	79	82	80	87	75.5
	242	83	84	90	91	86	81	84	81	92	80.5
40°	29	94	86	83	86	86	84	86	86	93	81.5
	101	96	91	86	86	85	84	84	83	91	79.5
	170	103	97	92	90	88	85	83	81	94	82.5

RA-800-325-225-4 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

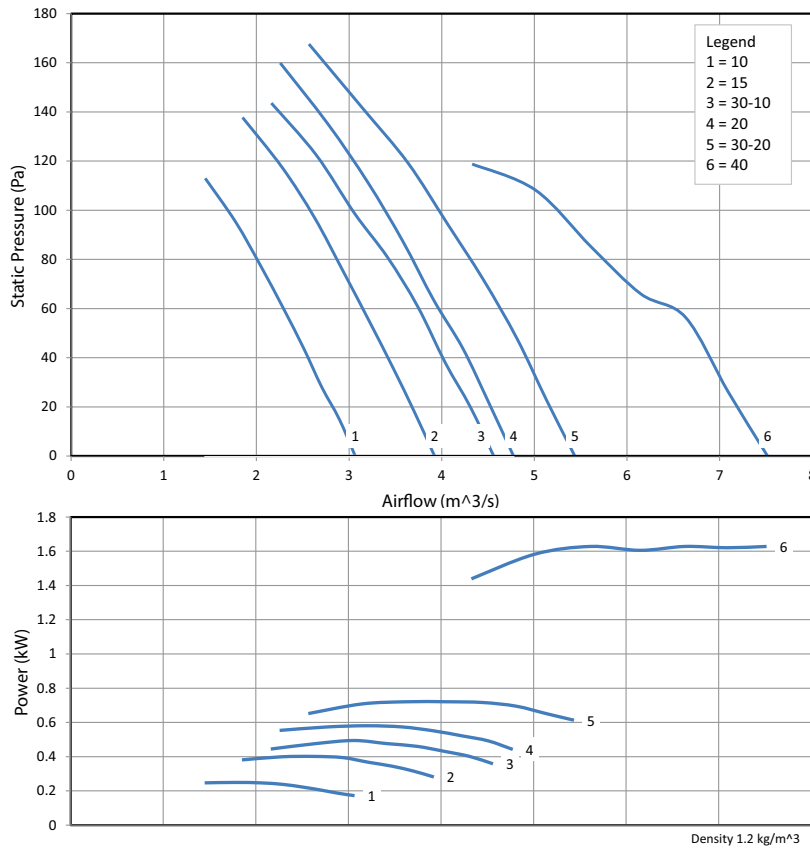


Blade Pitch	FEG
20-10	80
30-30	75
40-10	80
40-20	80
40-30	75
45-35	71
45-45	53

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	9	77	85	87	82	78	75	74	74	85	73.5
	150	74	82	88	87	82	77	75	74	88	76.5
	247	80	89	92	87	81	79	79	80	89	77.5
40-10°	15	83	79	79	82	80	77	76	75	85	73.5
	169	77	77	77	83	80	77	78	78	86	74.5
	257	100	88	87	87	85	82	83	80	91	79.5
40-20°	15	89	82	81	84	82	78	79	78	87	75.5
	112	84	81	78	83	80	78	82	79	87	75.5
	217	83	81	80	85	82	80	83	81	89	77.5
45-35°	29	93	85	82	85	85	84	86	84	92	80.5
	105	91	84	82	84	84	83	85	85	91	79.5
	189	103	98	92	90	87	84	83	80	93	81.5
45°	22	99	92	88	88	87	85	85	83	93	81.5
	76	98	93	88	88	86	85	84	82	92	80.5
	163	105	98	92	91	88	85	83	81	94	82.5

RA-800-325-225-4 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

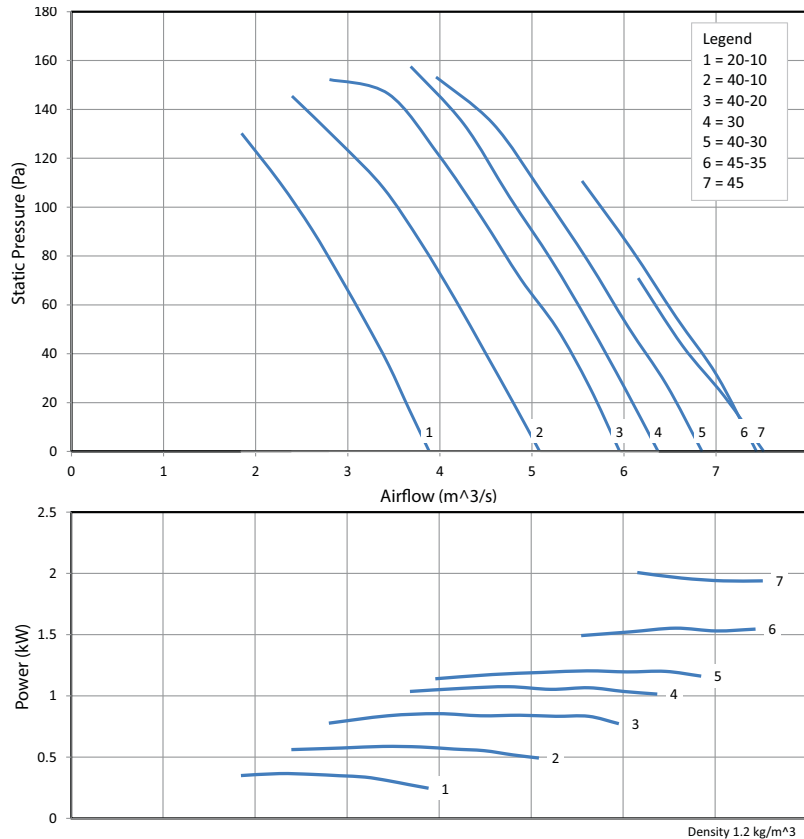


Blade Pitch	FEG
10	75
15-15	75
20-20	80
30-10	80
30-20	80
40-40	67

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	4	73	86	84	76	72	70	70	69	80	68.5
	92	69	84	85	82	76	72	70	69	83	71.5
	163	70	89	89	78	73	74	76	77	85	73.5
20°	8	76	78	78	77	73	71	70	69	79	67.5
	93	75	76	77	75	71	71	72	73	79	67.5
	164	75	79	84	83	77	74	75	76	85	73.5
30-10°	7	78	78	78	78	74	71	70	70	80	68.5
	117	76	76	78	79	75	73	73	74	82	70.5
	178	83	82	84	83	79	78	78	77	86	74.5
30-20°	9	83	78	77	79	76	73	73	72	82	70.5
	106	78	73	74	76	75	76	77	75	83	71.5
	168	79	82	86	86	81	78	79	76	88	76.5
40°	20	90	79	79	83	81	80	83	82	89	77.5
	70	92	85	80	82	80	80	81	78	87	75.5
	118	99	91	87	86	83	80	79	77	89	77.5

RA-800-325-225-4 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

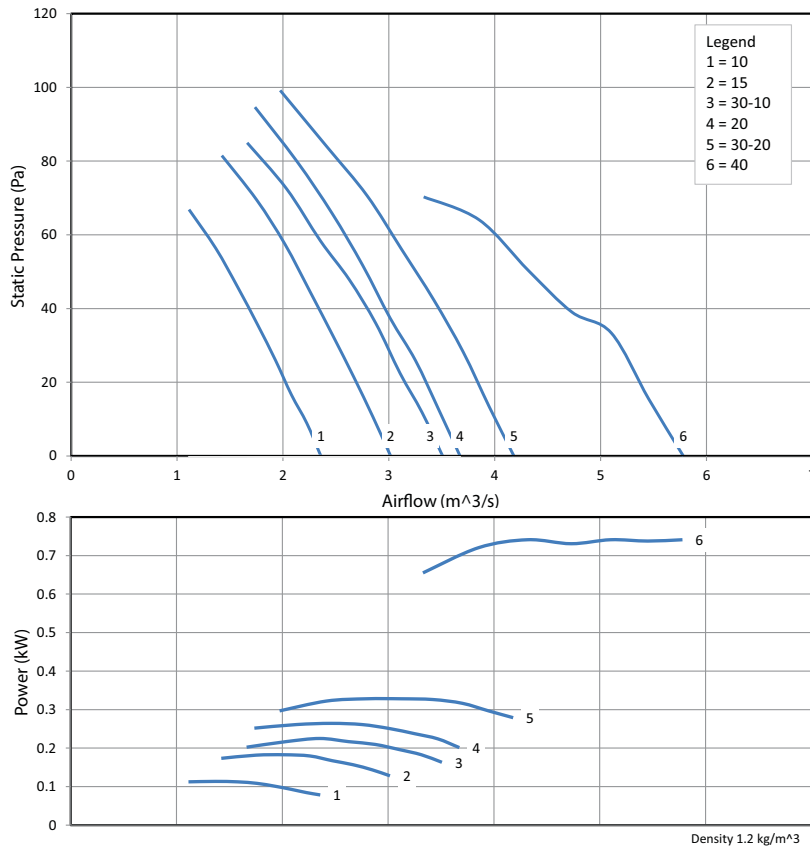


Blade Pitch	FEG
20-10	80
30-30	75
40-10	80
40-20	80
40-30	75
45-35	71
45-45	53

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	6	74	84	82	77	73	70	70	70	80	68.5
	104	71	81	84	83	77	72	71	70	83	71.5
	172	76	88	87	81	76	75	76	77	85	73.5
40-10°	10	79	75	76	78	76	73	72	71	81	69.5
	118	73	73	75	78	76	74	74	73	82	70.5
	178	96	83	83	82	80	78	78	75	86	74.5
40-20°	10	85	78	78	80	77	74	75	74	83	71.5
	78	80	76	75	78	76	75	77	75	83	71.5
	150	79	77	77	80	77	77	78	76	85	73.5
45-35°	20	89	79	78	82	80	80	82	79	88	76.5
	73	87	77	78	81	80	79	82	80	88	76.5
	131	99	92	87	85	82	79	79	75	88	76.5
45°	15	95	86	83	85	82	80	81	79	88	76.5
	53	94	87	84	84	82	80	80	78	88	76.5
	113	101	92	87	86	84	80	79	76	89	77.5

RA-800-325-225-4 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

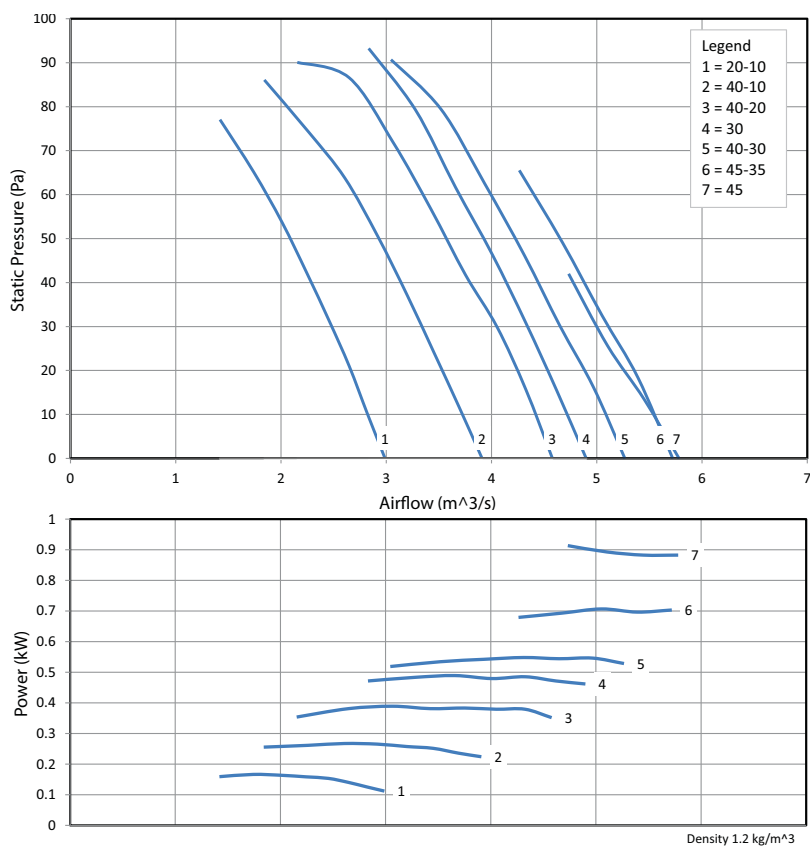


Blade Pitch	FEG
10	75
15-15	75
20-20	80
30-10	80
30-20	80
40-40	67

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	2	71	82	76	68	65	64	64	64	74	62.5
	55	68	80	78	74	69	65	64	63	76	64.5
	97	70	85	80	70	68	69	70	71	78	66.5
20°	5	70	73	72	70	65	66	64	62	73	61.5
	55	69	72	71	68	64	66	67	68	74	62.5
	97	69	76	80	76	69	69	69	70	78	66.5
30-10°	4	72	72	73	71	67	65	65	64	74	62.5
	69	70	71	73	73	68	67	68	68	76	64.5
	105	76	77	78	76	71	73	72	71	80	68.5
30-20°	5	78	71	73	72	69	68	67	65	76	64.5
	63	73	67	69	70	69	71	71	69	77	65.5
	99	74	78	81	78	73	73	72	70	81	69.5
40°	12	84	73	75	77	75	76	77	75	83	71.5
	42	87	77	76	76	74	74	74	72	81	69.5
	70	94	84	81	79	76	74	73	70	82	70.5

RA-800-325-225-4 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

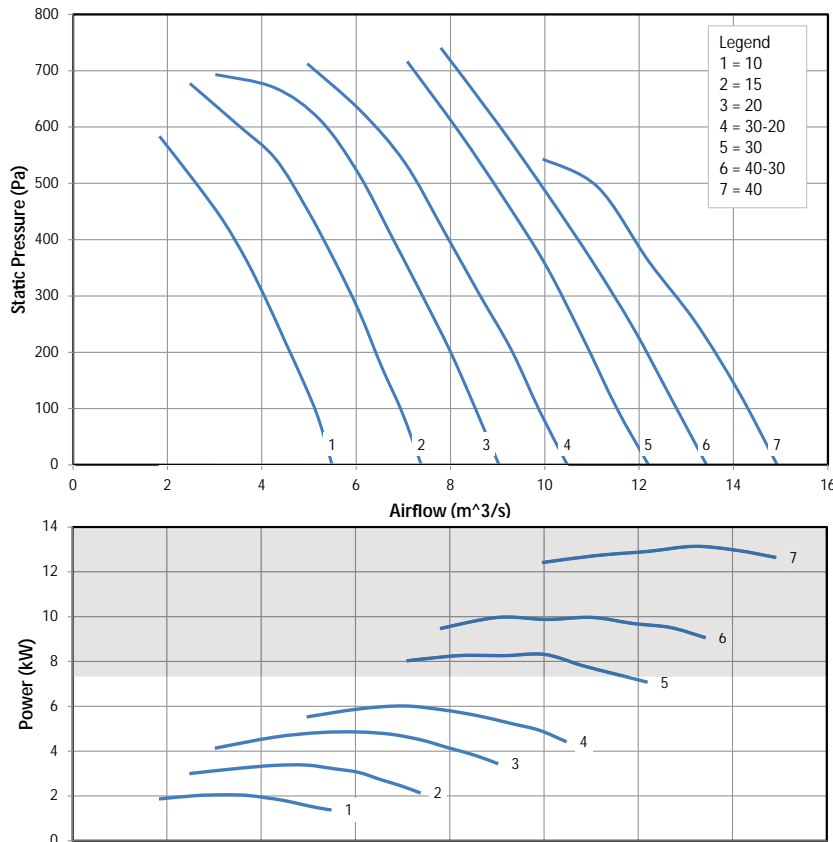


Blade Pitch	FEG
20-10	80
30-30	75
40-10	80
40-20	80
40-30	75
45-35	71
45-45	53

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	3	71	79	75	69	66	64	64	64	74	62.5
	62	68	77	78	75	69	65	65	65	77	65.5
	102	74	84	79	73	69	69	70	71	79	67.5
40-10°	6	73	69	72	71	69	67	66	65	75	63.5
	69	67	67	71	72	69	68	68	67	76	64.5
	105	91	77	77	76	73	73	71	68	80	68.5
40-20°	6	79	72	73	73	70	69	69	68	77	65.5
	46	75	70	71	72	69	71	71	68	77	65.5
	89	73	71	73	73	71	72	72	70	79	67.5
45-35°	12	83	73	74	76	75	75	76	73	82	70.5
	43	82	72	74	75	74	74	76	74	82	70.5
	77	94	84	81	78	75	73	72	68	82	70.5
45°	9	89	79	78	78	76	75	74	72	82	70.5
	31	89	80	78	78	75	75	74	71	82	70.5
	67	95	84	81	80	76	74	72	69	83	71.5

RA-800-325-225-6 (1770 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Density 1.2 kg/m³



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

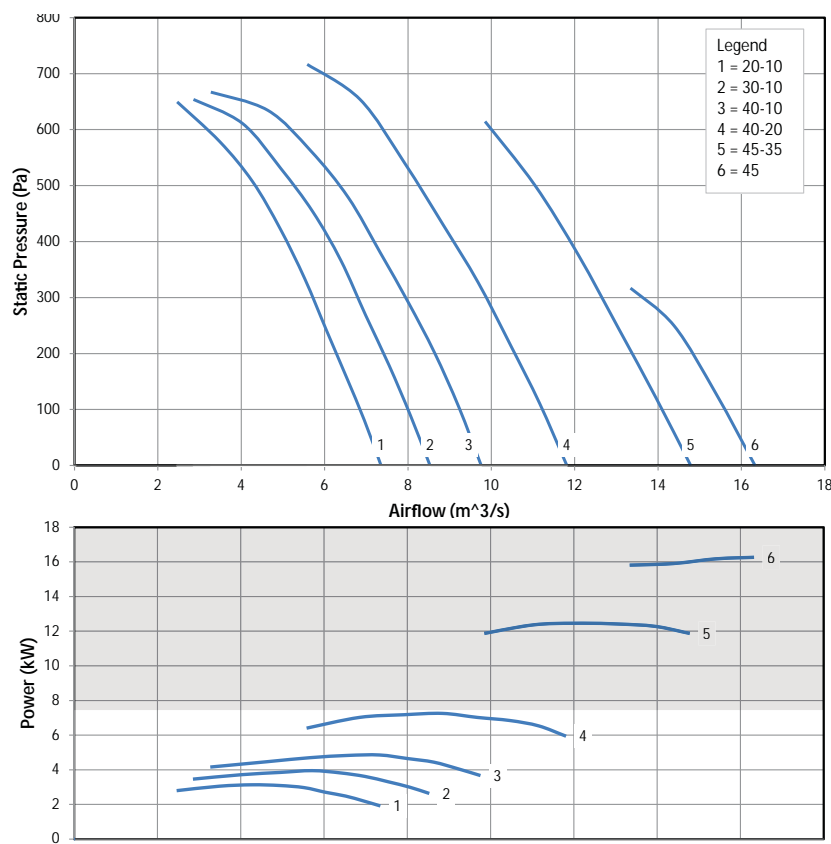


Blade Pitch	FEG
10	75
15-15	80
20-20	80
30-20	80
30-30	75
40-30	75
40-40	71

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	12	81	83	93	93	89	86	85	84	95	83.5
	421	77	80	89	97	101	94	86	83	103	91.5
	745	79	92	95	93	91	87	89	88	97	85.5
20°	34	85	93	91	90	92	90	88	86	97	85.5
	331	80	88	87	89	90	89	88	88	96	84.5
	861	104	102	98	97	96	94	93	92	102	90.5
30-20°	40	82	94	92	91	93	90	88	86	97	85.5
	342	80	91	90	90	92	89	88	88	96	84.5
	695	85	93	92	94	95	92	92	91	100	88.5
40-30°	66	94	99	98	93	95	93	94	94	101	89.5
	382	95	102	101	91	94	94	95	95	101	89.5
	747	92	96	95	90	93	92	93	95	100	88.5
40°	66	95	96	96	94	97	96	97	98	104	92.5
	199	95	97	97	94	96	96	96	98	103	91.5
	514	95	98	97	93	96	94	94	97	102	90.5

RA-800-325-225-6 (1770 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Density 1.2 kg/m³



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

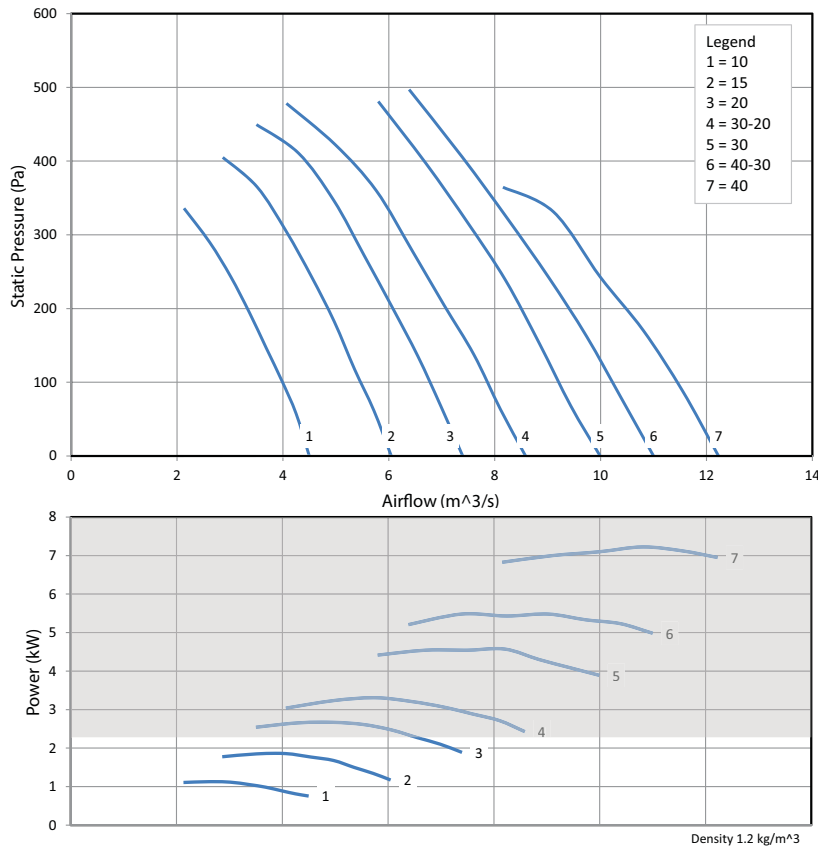


Blade Pitch	FEG
20-10	80
30-10	80
40-10	80
40-20	80
45-35	71
45-45	71

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	22	78	93	91	90	90	88	86	84	95	83.5
	482	79	90	88	95	98	93	88	85	101	89.5
	776	96	98	96	96	94	91	91	90	100	88.5
40-10°	34	81	90	90	92	94	91	89	86	98	86.5
	302	79	90	89	90	92	90	87	86	97	85.5
	690	97	101	99	96	94	92	92	91	100	88.5
40-20°	51	83	94	93	92	94	92	89	87	99	87.5
	353	80	94	92	91	93	91	89	89	98	86.5
	678	83	94	93	93	94	93	93	92	100	88.5
45-35°	75	93	96	95	93	96	95	96	96	102	90.5
	382	92	96	95	92	95	95	95	97	102	90.5
	688	90	93	93	92	94	93	93	96	101	89.5
45°	83	97	101	101	97	100	98	98	100	106	94.5
	241	96	103	102	96	99	97	97	99	105	93.5
	531	109	109	106	102	102	99	95	93	106	94.5

RA-800-325-225-6 (1450 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	8	77	81	88	88	84	82	80	79	90	78.5
	282	73	78	87	94	95	87	81	78	97	85.5
	500	79	89	90	88	85	83	84	84	92	80.5
20°	23	80	89	86	87	87	85	83	81	92	80.5
	222	76	83	83	85	86	84	85	83	91	79.5
	578	99	96	94	93	91	89	89	86	97	85.5
30-20°	27	78	90	87	88	88	85	83	81	93	81.5
	230	75	87	84	87	86	84	84	83	92	80.5
	467	81	88	88	91	90	88	88	86	95	83.5
40-30°	45	90	95	92	89	90	89	90	89	97	85.5
	256	90	98	93	88	89	89	90	89	97	85.5
	501	88	92	89	86	88	88	90	90	96	84.5
40°	45	90	92	91	91	92	92	93	92	99	87.5
	134	90	93	91	90	92	91	92	92	99	87.5
	345	90	93	91	90	91	90	91	92	98	86.5



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

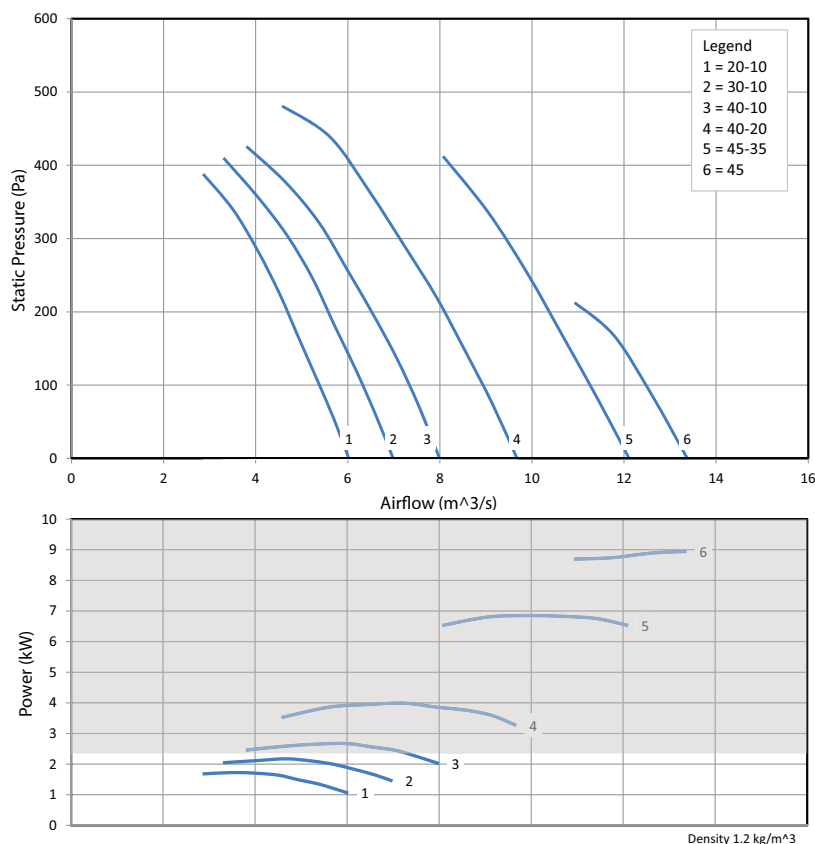
Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.



Blade Pitch	FEG
10	75
15-15	80
20-20	80
30-20	80
30-30	75
40-30	75
40-40	71

RA-800-325-225-6 (1450 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

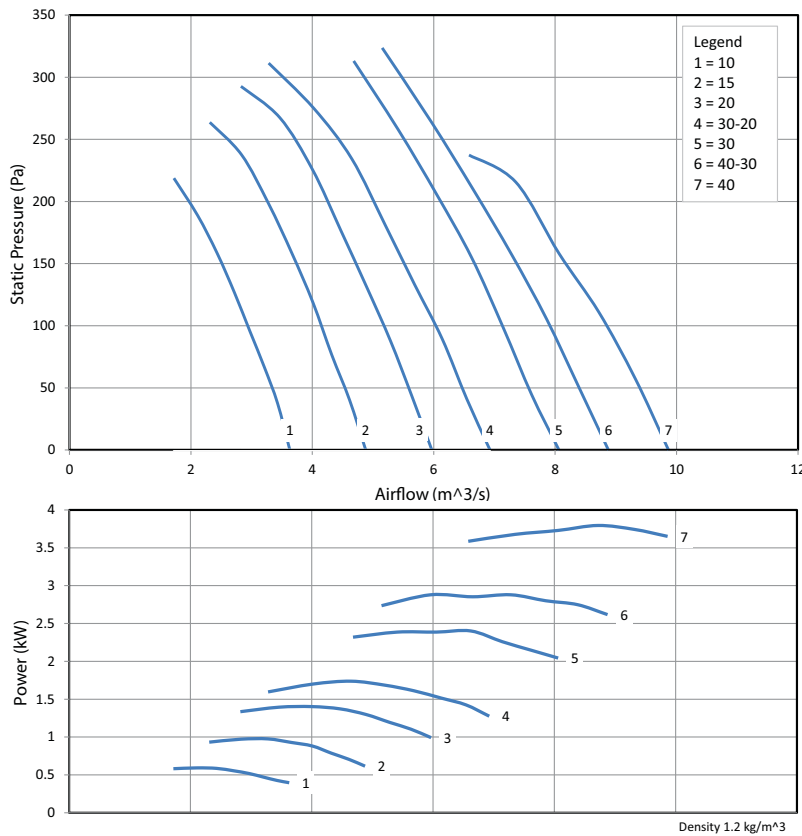


Blade Pitch	FEG
20-10	80
30-10	80
40-10	80
40-20	80
45-35	71
45-45	71

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	15	74	89	85	86	85	82	81	79	90	78.5
	324	75	86	83	94	94	86	82	81	97	85.5
	521	91	94	90	92	89	86	87	85	95	83.5
40-10°	23	77	86	86	89	89	86	84	81	93	81.5
	203	75	86	84	87	87	85	83	81	92	80.5
	463	93	97	93	91	89	87	88	86	95	83.5
40-20°	34	79	90	88	89	89	87	84	83	94	82.5
	237	76	90	86	88	89	85	85	84	93	81.5
	455	79	90	88	89	90	88	89	87	96	84.5
45-35°	50	88	91	90	90	91	91	92	91	98	86.5
	256	88	91	90	89	91	90	91	91	98	86.5
	462	86	89	88	88	89	89	90	90	96	84.5
45°	56	92	97	95	94	95	93	94	95	101	89.5
	161	92	98	96	93	94	92	93	94	100	88.5
	356	105	104	100	97	96	93	90	88	101	89.5

RA-800-325-225-6 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

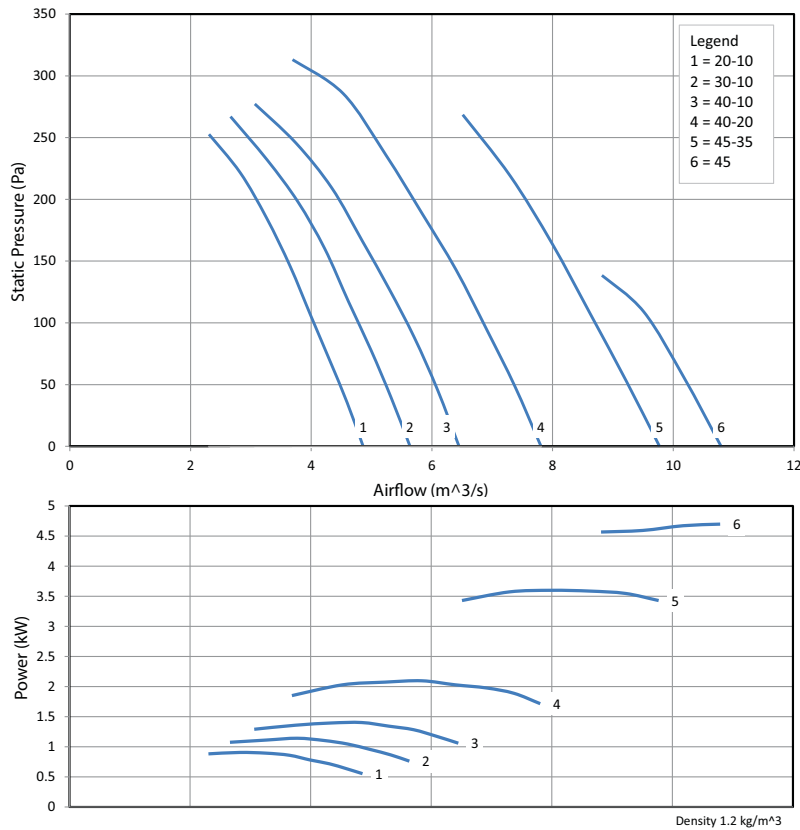


Blade Pitch	FEG
10	75
15-15	80
20-20	80
30-20	80
30-30	75
40-30	75
40-40	71

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	5	73	80	84	82	78	77	75	74	85	73.5
	184	70	76	84	90	88	80	75	73	91	79.5
	325	78	85	85	83	80	79	80	79	87	75.5
20°	15	76	84	80	83	82	80	78	76	87	75.5
	144	71	79	78	82	80	78	81	77	87	75.5
	376	95	90	88	88	85	84	85	80	92	80.5
30-20°	17	73	85	80	85	82	80	78	76	88	76.5
	149	71	82	79	84	81	78	80	78	87	75.5
	304	76	84	83	87	84	82	84	81	91	79.5
40-30°	29	85	90	85	86	85	84	85	83	92	80.5
	167	86	93	85	84	85	85	86	83	92	80.5
	326	83	87	82	83	83	84	86	85	91	79.5
40°	29	86	87	85	87	87	87	89	86	95	83.5
	87	86	88	85	86	87	87	88	86	94	82.5
	225	86	89	85	86	86	85	87	86	93	81.5

RA-800-325-225-6 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

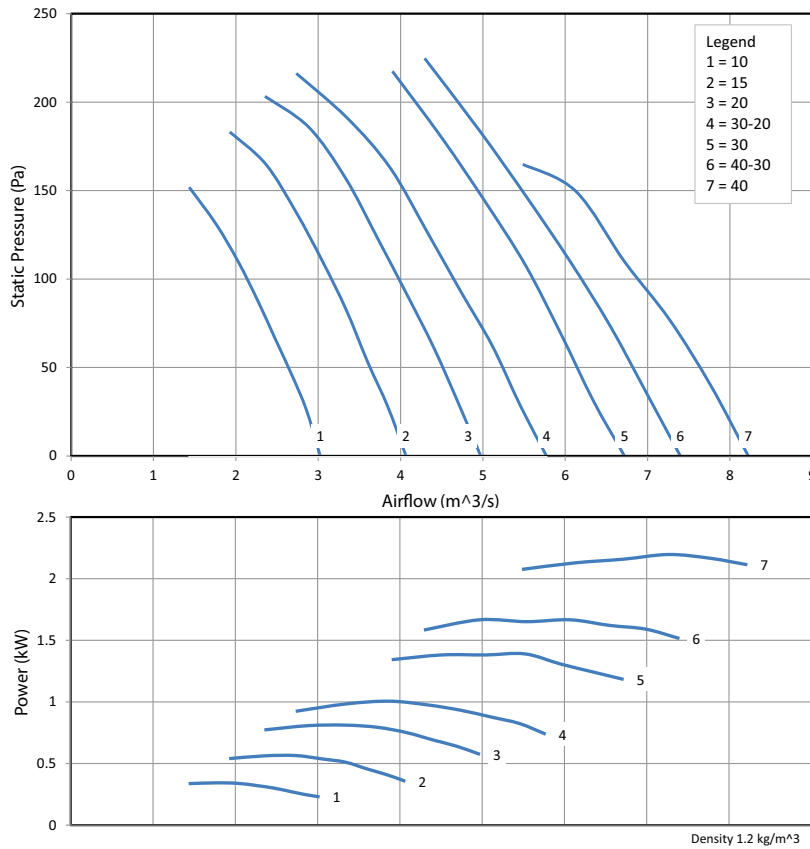


Blade Pitch	FEG
20-10	80
30-10	80
40-10	80
40-20	80
45-35	71
45-45	71

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	10	74	84	81	81	80	77	76	74	85	73.5
	211	74	81	82	89	87	80	77	76	91	79.5
	339	87	89	86	86	83	82	82	80	90	78.5
40-10°	15	72	81	81	86	83	80	79	76	88	76.5
	132	70	81	79	84	82	79	77	76	87	75.5
	301	88	92	87	86	83	82	84	80	90	78.5
40-20°	22	74	85	82	86	84	81	79	77	89	77.5
	154	71	85	80	85	84	79	81	79	88	76.5
	296	74	85	83	86	85	83	85	81	91	79.5
45-35°	33	84	87	85	86	86	86	87	85	93	81.5
	167	83	87	84	85	86	86	87	86	93	81.5
	301	81	84	83	84	84	84	86	85	92	80.5
45°	36	88	92	89	90	89	88	90	89	96	84.5
	105	87	94	89	89	89	88	90	88	96	84.5
	232	100	99	94	93	91	87	85	82	96	84.5

RA-800-325-225-6 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

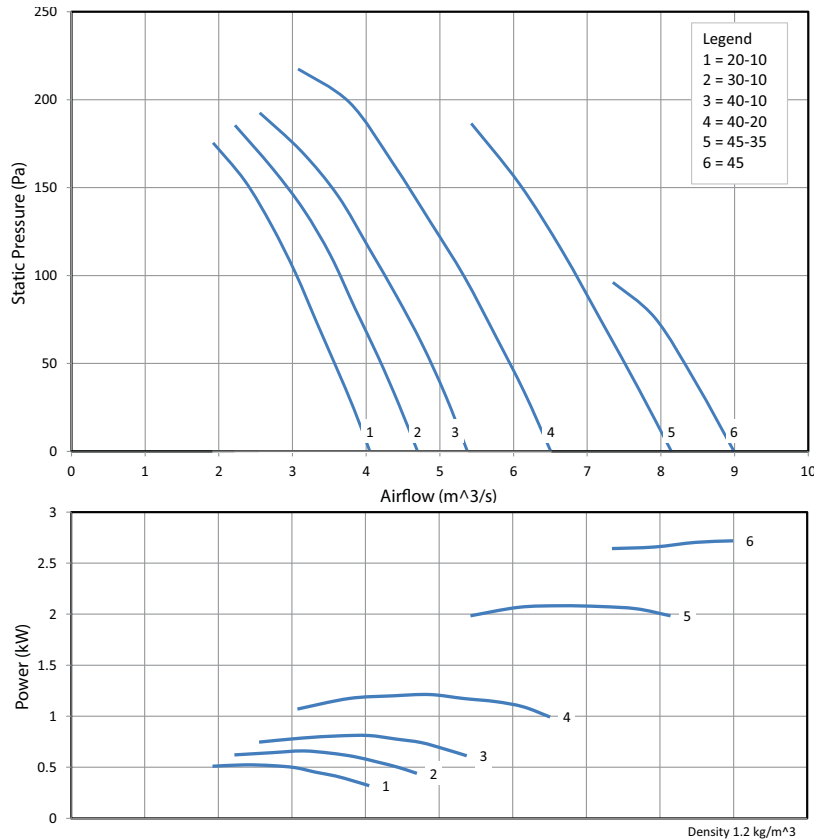


Blade Pitch	FEG
10	75
15-15	80
20-20	80
30-20	80
30-30	75
40-30	75
40-40	71

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	4	70	78	80	77	74	72	71	70	80	68.5
	128	66	74	83	88	82	74	71	68	87	75.5
	226	78	82	81	78	75	75	76	75	83	71.5
20°	10	74	80	77	79	77	75	74	71	83	71.5
	100	69	75	75	78	76	75	76	73	82	70.5
	261	89	86	84	83	81	80	80	75	88	76.5
30-20°	12	72	81	78	80	78	75	73	72	83	71.5
	104	70	78	76	79	76	74	75	73	83	71.5
	211	74	80	80	83	80	79	79	76	86	74.5
40-30°	20	81	86	79	82	80	80	82	78	88	76.5
	116	82	89	78	81	80	81	82	78	88	76.5
	226	79	83	76	80	79	80	83	80	88	76.5
40°	20	82	83	80	84	83	83	85	81	91	79.5
	60	82	84	80	83	83	83	85	82	90	78.5
	156	82	85	80	83	81	81	84	82	89	77.5

RA-800-325-225-6 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

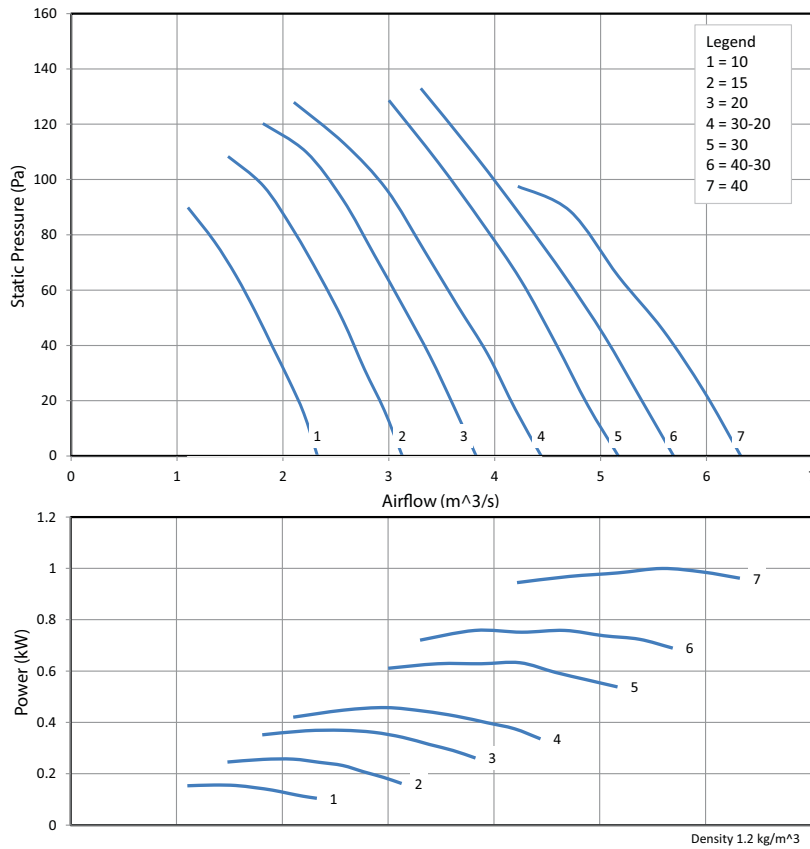


Blade Pitch	FEG
20-10	80
30-10	80
40-10	80
40-20	80
45-35	71
45-45	71

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	7	74	80	77	77	75	73	71	69	81	69.5
	146	73	78	81	85	81	75	73	71	86	74.5
	235	84	86	83	82	79	78	78	76	86	74.5
40-10°	10	71	77	78	81	79	76	74	71	84	72.5
	92	69	77	76	80	77	75	73	72	83	71.5
	209	85	88	83	81	79	79	79	75	86	74.5
40-20°	16	73	81	79	81	79	76	75	73	84	72.5
	107	71	81	77	81	78	76	76	74	84	72.5
	206	73	81	79	82	80	79	80	76	87	75.5
45-35°	23	80	83	80	83	82	83	84	80	89	77.5
	116	79	83	79	82	82	82	84	81	89	77.5
	209	77	80	79	81	80	80	83	80	88	76.5
45°	25	84	88	84	87	85	84	87	84	93	81.5
	73	83	90	83	86	84	84	86	84	92	80.5
	161	96	94	89	89	86	82	81	77	91	79.5

RA-800-325-225-6 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

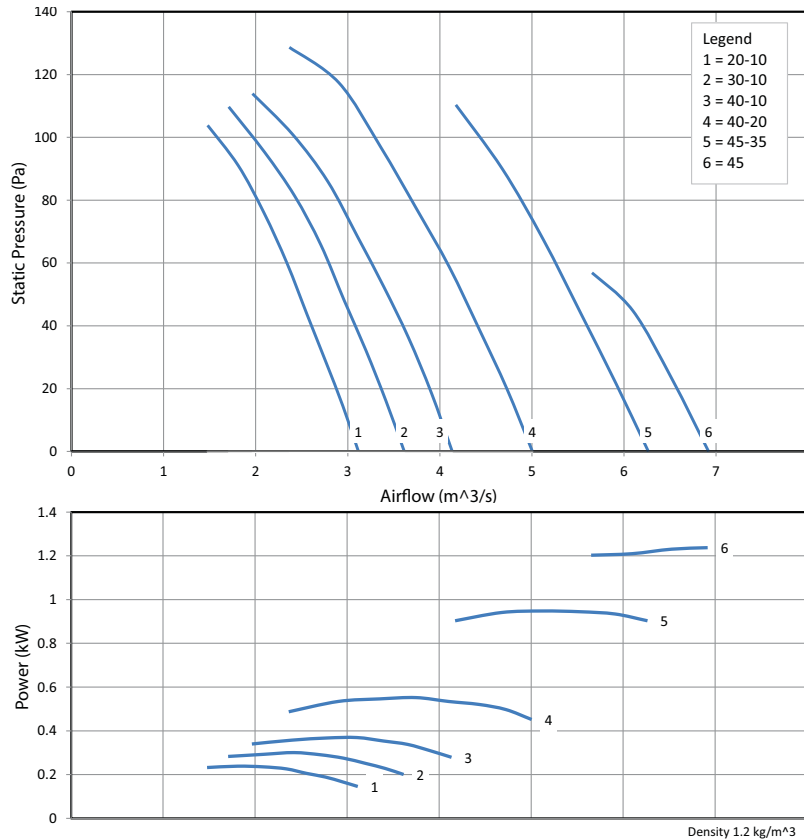


Blade Pitch	FEG
10	75
15-15	80
20-20	80
30-20	80
30-30	75
40-30	75
40-40	71

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
10°	2	67	74	74	70	67	66	65	64	74	62.5
	75	63	72	79	81	73	67	64	61	80	68.5
	134	74	76	74	71	69	70	70	70	77	65.5
20°	6	74	71	72	73	71	69	67	64	76	64.5
	59	69	68	71	71	69	70	69	66	76	64.5
	154	82	79	78	77	75	75	72	67	81	69.5
30-20°	7	76	73	73	73	71	69	67	66	77	65.5
	62	73	70	72	72	69	69	69	67	76	64.5
	125	74	74	76	76	73	73	72	69	80	68.5
40-30°	12	80	78	75	76	75	75	75	71	82	70.5
	68	83	79	74	75	75	76	75	71	82	70.5
	134	78	75	72	74	74	75	76	73	82	70.5
40°	12	78	77	76	78	77	78	78	74	85	73.5
	36	79	77	76	77	77	78	78	75	84	72.5
	92	79	77	75	77	76	76	78	75	83	71.5

RA-800-325-225-6 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA

Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

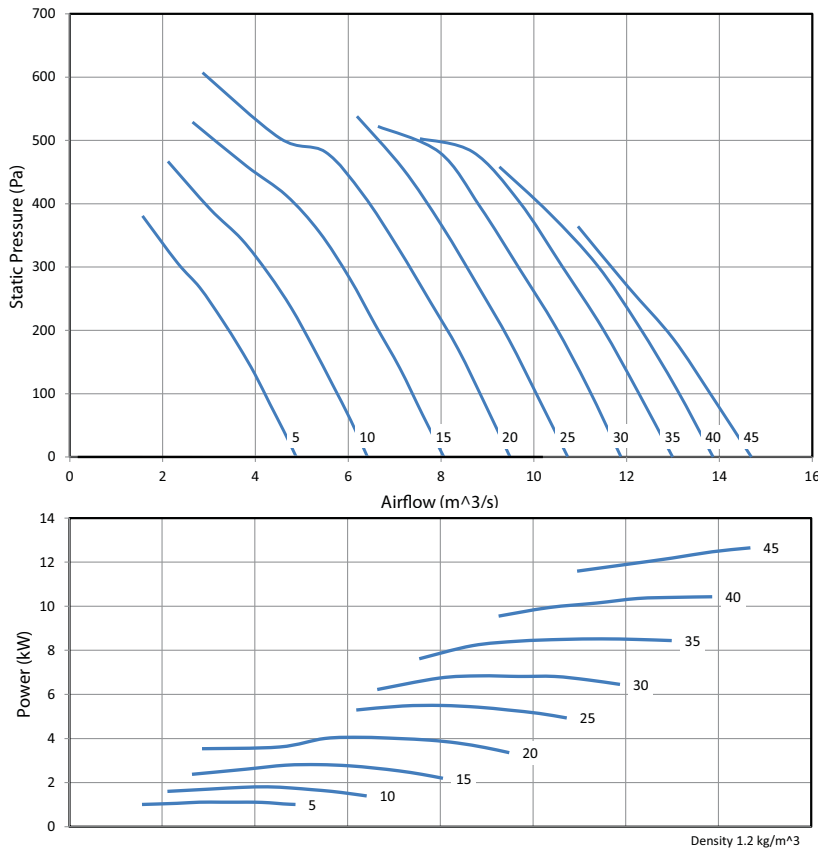


Blade Pitch	FEG
20-10	80
30-10	80
40-10	80
40-20	80
45-35	71
45-45	71

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
20-10°	4	75	71	72	71	68	67	65	63	74	62.5
	87	72	69	79	80	72	68	66	65	80	68.5
	139	80	76	77	75	72	73	71	69	79	67.5
40-10°	6	71	71	74	75	72	70	67	65	77	65.5
	54	71	70	73	73	71	68	67	66	76	64.5
	124	83	79	77	75	73	74	72	68	80	68.5
40-20°	9	76	73	75	75	72	70	68	67	78	66.5
	64	75	72	73	74	71	70	70	68	78	66.5
	122	76	74	75	75	74	74	73	69	81	69.5
45-35°	13	77	76	75	77	77	77	76	72	83	71.5
	68	77	76	75	76	76	77	77	74	83	71.5
	124	75	74	74	75	74	75	76	74	82	70.5
45°	15	83	81	79	80	79	80	80	78	87	75.5
	43	84	82	79	80	78	79	80	77	86	74.5
	95	90	86	83	82	79	76	73	69	85	73.5

RA-800-375-190-4 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

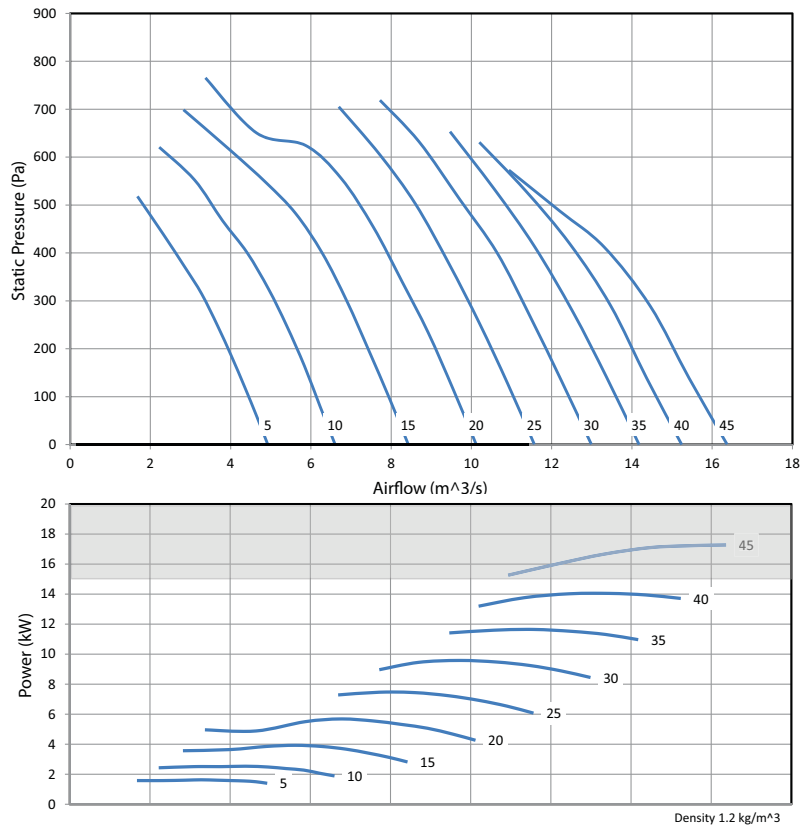


FEG 85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	7	77	79	83	86	88	86	83	81	92	80.5
	252	78	77	83	94	95	88	80	76	98	86.5
	443	84	88	86	87	85	81	80	76	90	78.5
15°	17	82	84	85	89	87	85	81	79	92	80.5
	391	86	83	83	91	92	87	82	79	95	83.5
	638	96	95	93	94	91	88	84	81	96	84.5
25°	37	88	88	89	92	91	87	83	80	95	83.5
	506	91	87	88	90	91	89	85	83	95	83.5
	1729	98	99	99	89	85	87	77	75	94	82.5
35°	47	89	90	91	94	95	91	87	85	99	87.5
	324	89	88	92	93	94	92	87	86	98	86.5
	488	99	98	98	98	97	93	89	85	101	89.5
45°	62	93	94	96	98	99	95	91	88	102	90.5
	306	97	99	99	98	97	93	90	86	101	89.5
	426	103	106	102	102	100	96	91	86	104	92.5

RA-800-375-190-6 (1770 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

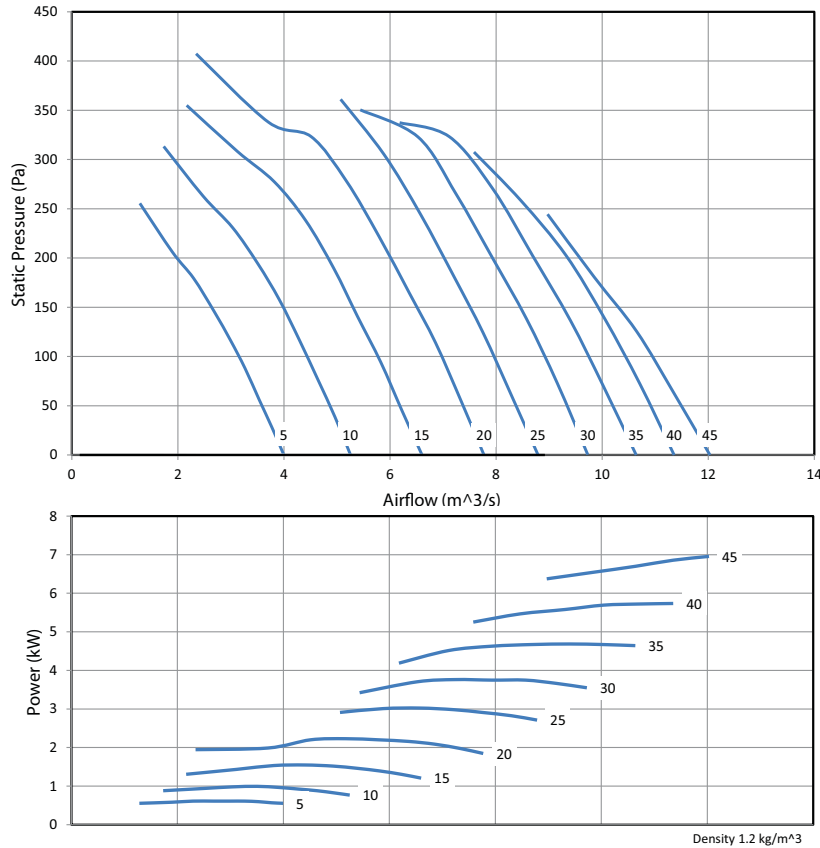


FEG 85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	7	78	77	82	89	93	90	85	83	96	84.5
	354	81	79	87	96	97	89	82	78	99	87.5
	635	82	88	88	89	87	84	82	78	92	80.5
15°	17	79	82	87	92	91	89	85	83	95	83.5
	533	85	82	91	103	101	93	85	80	104	92.5
	849	90	95	93	96	93	90	86	83	98	86.5
25°	32	84	87	90	93	92	88	84	81	96	84.5
	406	84	83	89	93	91	88	85	81	96	84.5
	827	103	102	99	98	95	91	87	84	100	88.5
35°	32	88	86	90	94	96	91	87	84	99	87.5
	443	89	88	92	94	95	92	88	86	99	87.5
	668	92	89	95	97	97	93	88	86	101	89.5
45°	80	98	99	98	96	97	96	92	89	102	90.5
	542	102	104	102	98	97	95	91	87	102	90.5
	3956	107	108	108	104	96	95	92	85	105	93.5

RA-800-375-190-4 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

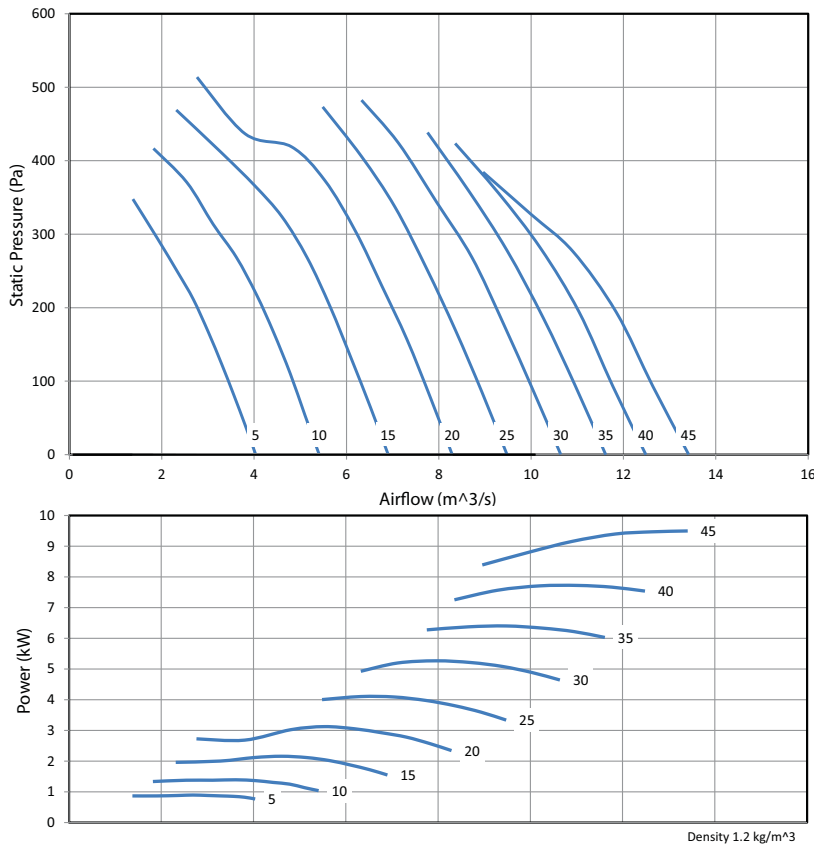


FEG 85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	5	73	76	79	82	83	81	78	76	88	76.5
	169	74	75	82	90	89	82	75	70	92	80.5
	298	81	84	82	82	79	77	74	71	85	73.5
15°	12	79	80	82	84	82	79	76	74	87	75.5
	263	81	79	81	87	86	81	77	74	90	78.5
	428	91	90	89	89	86	82	79	76	91	79.5
25°	25	83	84	86	87	85	82	78	75	90	78.5
	339	86	83	84	86	86	84	80	79	91	79.5
	1160	94	95	92	83	81	79	72	70	88	76.5
35°	32	85	86	88	90	90	86	82	80	94	82.5
	217	84	85	88	89	89	86	82	81	93	81.5
	328	94	94	94	94	91	87	83	80	96	84.5
45°	42	89	90	92	94	93	89	86	83	97	85.5
	205	93	95	94	93	91	88	84	81	96	84.5
	286	99	101	97	97	94	90	85	80	99	87.5

RA-800-375-190-6 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

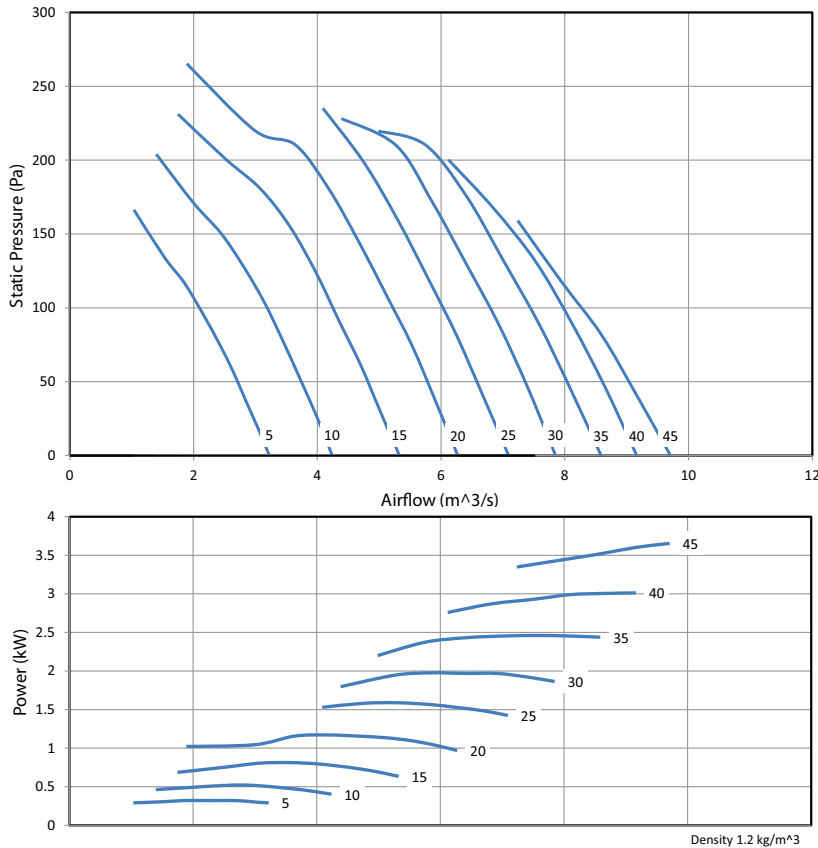


FEG 85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	5	74	74	80	86	88	84	80	78	91	79.5
	237	76	77	85	92	91	83	76	72	94	82.5
	426	80	84	84	84	82	79	76	73	87	75.5
15°	12	76	79	84	87	86	83	80	78	91	79.5
	358	80	80	90	98	94	86	79	74	98	86.5
	570	87	91	90	91	88	84	81	78	93	81.5
25°	22	80	83	87	88	86	83	79	75	91	79.5
	273	80	81	86	88	86	83	79	76	91	79.5
	555	98	98	95	93	89	85	82	78	95	83.5
35°	22	83	83	87	90	90	86	82	79	94	82.5
	298	84	85	88	90	90	86	83	81	94	82.5
	448	87	86	91	93	91	87	83	80	95	83.5
45°	54	93	95	92	92	93	90	87	84	97	85.5
	363	97	100	96	93	92	89	86	81	97	85.5
	2655	103	104	104	97	91	91	84	80	100	88.5

RA-800-375-190-4 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

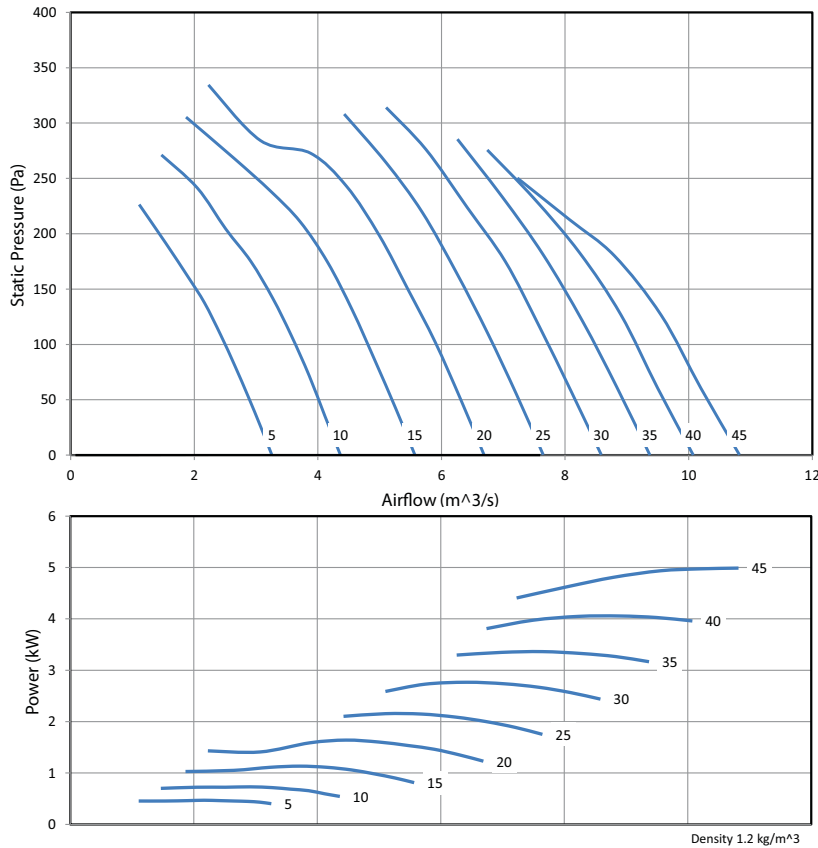


FEG 85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	3	70	72	76	78	78	75	73	71	82	70.5
	110	69	72	81	86	82	75	68	64	86	74.5
	194	79	78	78	77	74	71	69	65	79	67.5
15°	8	75	76	78	79	77	73	71	69	82	70.5
	171	75	74	79	83	80	75	71	68	84	72.5
	279	86	85	85	83	80	76	73	71	85	73.5
25°	16	79	80	82	82	79	76	72	69	84	72.5
	221	80	78	80	81	81	78	75	73	85	73.5
	755	90	90	84	78	77	72	67	65	82	70.5
35°	21	81	82	84	85	84	80	77	75	88	76.5
	141	80	82	84	85	84	80	77	76	88	76.5
	213	89	89	89	88	86	81	78	74	90	78.5
45°	27	85	86	88	90	87	83	80	78	92	80.5
	134	90	90	89	88	86	82	79	75	91	79.5
	186	97	94	93	92	88	84	79	74	93	81.5

RA-800-375-190-6 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

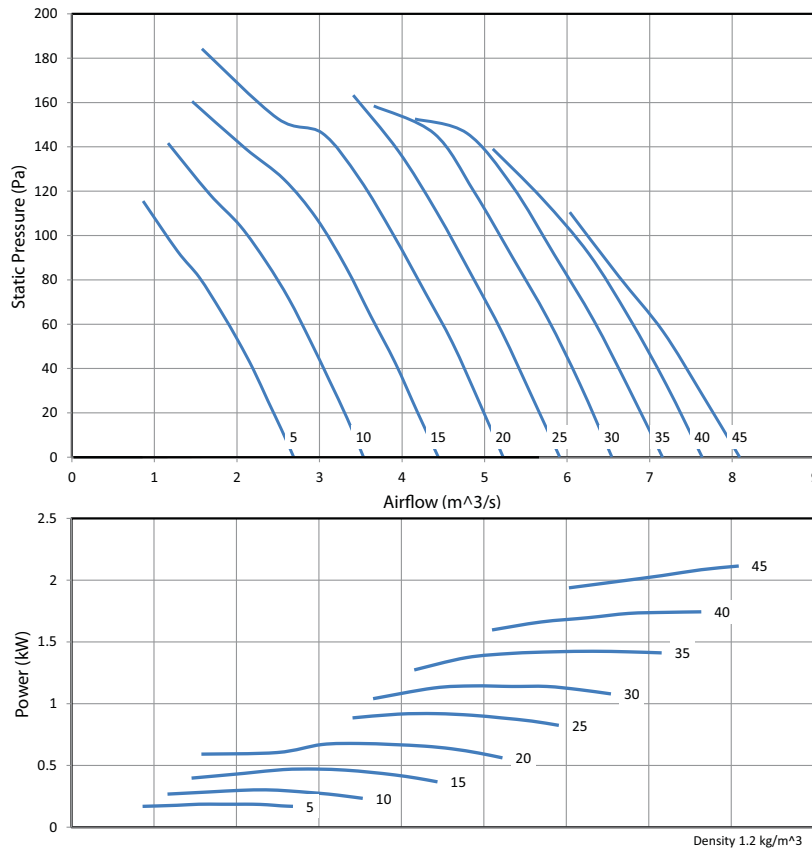


FEG 85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	3	69	71	77	82	82	78	75	73	86	74.5
	154	71	75	83	88	83	76	70	66	88	76.5
	277	77	79	79	79	76	74	71	67	81	69.5
15°	8	72	76	81	82	81	78	75	73	85	73.5
	233	74	78	89	93	87	79	73	67	92	80.5
	371	84	86	86	85	82	78	75	72	87	75.5
25°	14	77	80	83	83	81	77	73	70	85	73.5
	177	75	78	82	83	80	77	74	70	85	73.5
	361	93	93	90	87	83	80	76	73	89	77.5
35°	14	77	79	84	86	84	80	77	74	88	76.5
	194	79	81	84	86	84	80	77	75	88	76.5
	292	81	83	87	88	85	81	78	75	90	78.5
45°	35	89	90	86	88	89	84	82	78	92	80.5
	237	93	95	89	88	87	84	80	75	92	80.5
	1729	98	99	99	89	85	87	77	75	94	82.5

RA-800-375-190-4 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

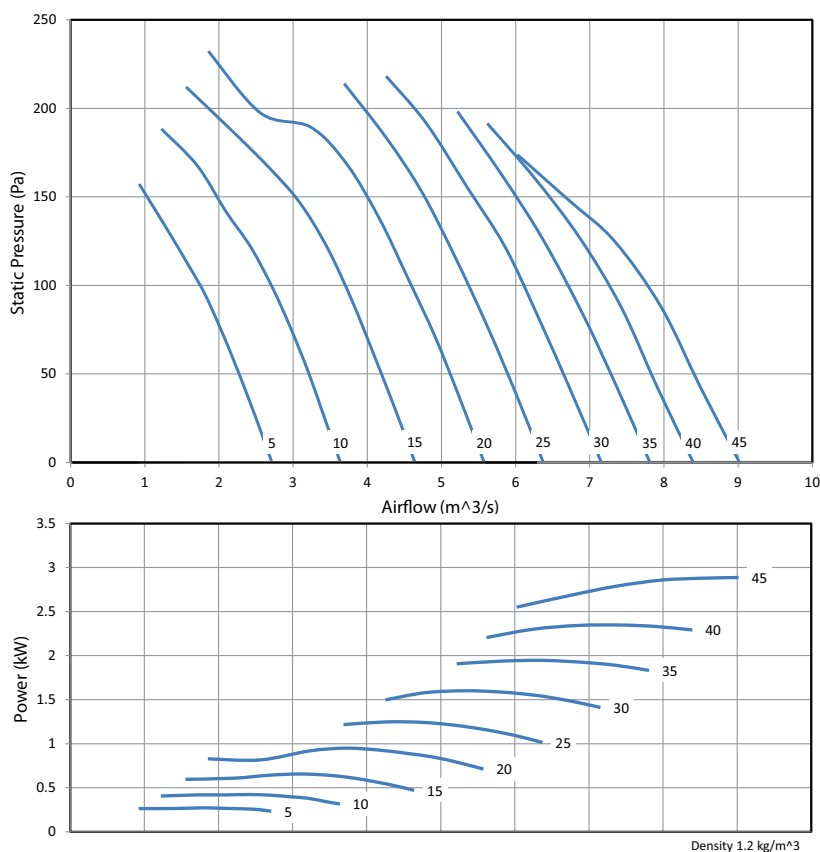


FEG 85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	2	66	69	73	75	73	70	68	66	78	66.5
	76	65	69	79	82	76	69	63	58	82	70.5
	135	75	73	74	72	69	67	64	61	75	63.5
15°	5	71	72	75	74	72	68	66	65	77	65.5
	119	70	70	77	79	75	70	66	63	80	68.5
	194	82	80	81	79	75	71	69	66	81	69.5
25°	11	75	76	79	78	75	71	68	64	80	68.5
	153	74	75	77	78	77	73	71	69	81	69.5
	525	86	86	77	73	73	65	62	60	78	66.5
35°	14	77	78	80	82	79	75	72	71	84	72.5
	98	76	79	80	81	79	75	73	71	84	72.5
	148	85	85	85	84	81	76	73	69	86	74.5
45°	19	81	82	85	86	82	78	75	73	87	75.5
	93	86	86	85	84	81	77	74	71	86	74.5
	129	93	89	89	87	83	78	74	69	89	77.5

RA-800-375-190-6 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).



Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

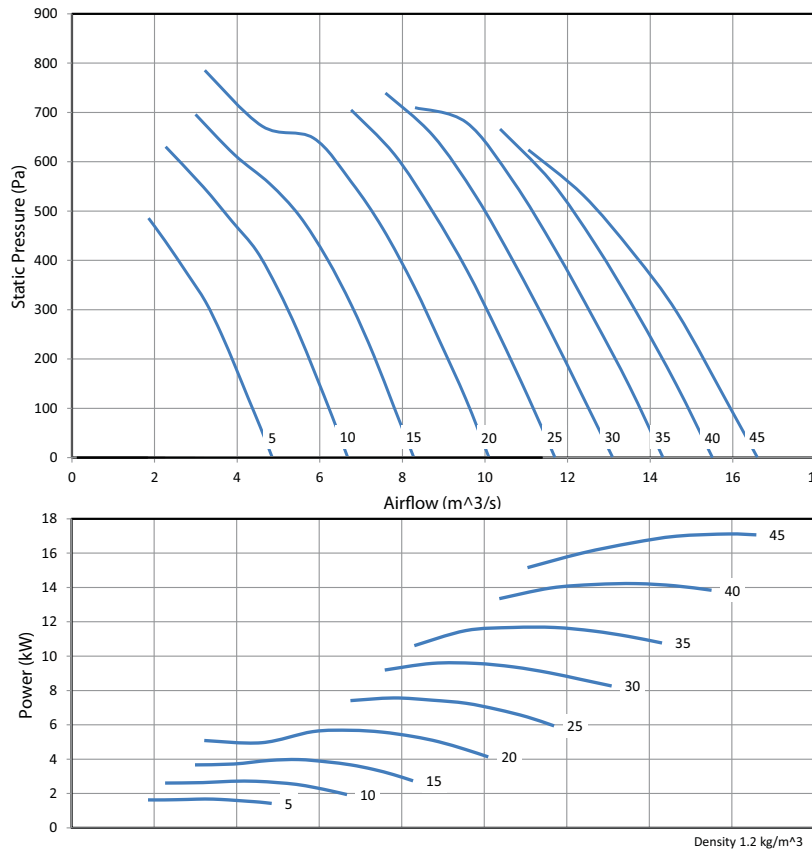


FEG 85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	2	65	69	75	79	77	73	70	68	82	70.5
	107	67	73	82	84	77	70	65	61	83	71.5
	193	74	75	76	74	71	69	66	62	77	65.5
15°	5	69	74	78	78	76	73	70	68	81	69.5
	162	70	77	88	88	81	73	68	62	88	76.5
	258	82	82	82	81	77	73	70	68	83	71.5
25°	10	73	77	80	79	76	72	68	65	81	69.5
	123	70	75	79	79	75	72	69	66	81	69.5
	251	89	89	86	82	78	75	71	68	84	72.5
35°	10	73	77	81	82	79	75	72	69	84	72.5
	135	75	78	81	82	79	75	73	71	84	72.5
	203	76	81	84	84	80	76	73	70	85	73.5
45°	24	85	86	82	84	84	80	77	73	88	76.5
	164	89	91	85	84	82	79	75	69	87	75.5
	1200	94	95	93	84	82	80	72	70	89	77.5

RA-800-375-275-6 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

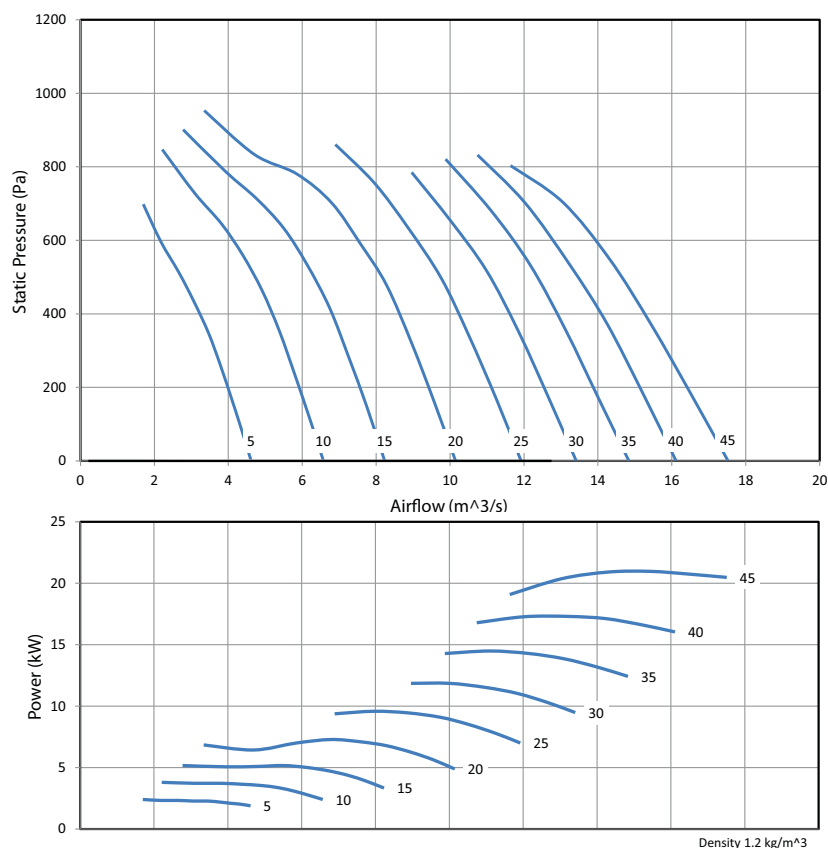


FEG 85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	7	79	82	85	91	94	91	86	83	97	85.5
	359	81	82	91	98	97	89	83	78	100	88.5
	643	86	89	91	90	88	87	85	81	94	82.5
15°	15	86	87	89	90	91	89	86	83	96	84.5
	538	88	87	98	104	99	92	87	81	104	92.5
	899	97	97	95	96	95	92	89	86	100	88.5
25°	37	89	89	92	92	92	89	86	81	96	84.5
	663	91	88	94	98	96	92	89	85	101	89.5
	1729	98	99	99	89	85	87	77	75	94	82.5
35°	62	90	91	94	97	96	93	90	87	101	89.5
	456	90	90	94	96	96	93	90	88	101	89.5
	707	95	93	97	98	98	95	91	89	102	90.5
45°	209	100	101	104	108	109	109	104	101	114	102.5
	668	99	101	104	107	109	109	104	100	114	102.5
	1729	98	99	99	89	85	87	77	75	94	82.5

RA-800-375-275-9 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

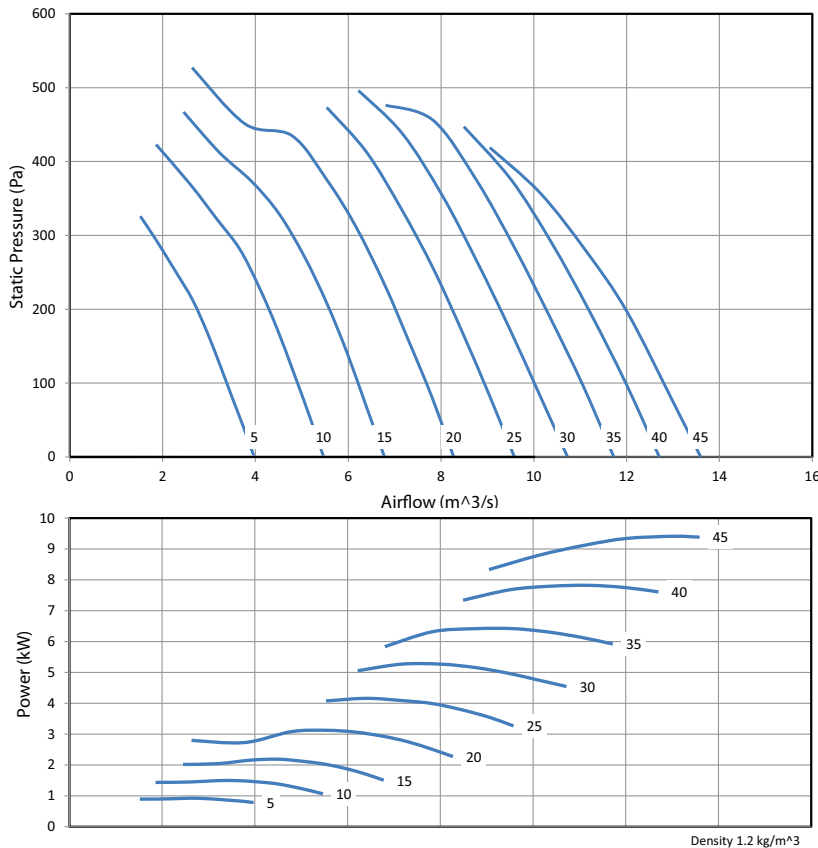


FEG 85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	7	82	82	88	94	97	93	88	85	100	88.5
	488	85	88	97	98	95	88	83	77	99	87.5
	889	89	87	92	91	90	88	86	82	95	83.5
15°	22	85	84	93	95	93	90	88	84	98	86.5
	692	94	94	104	102	97	92	87	80	103	91.5
	1133	100	95	97	97	96	92	90	86	100	88.5
25°	37	88	87	95	96	93	90	88	84	98	86.5
	526	87	86	93	92	93	89	87	83	97	85.5
	867	103	99	100	98	94	92	88	84	100	88.5
35°	60	90	90	95	97	97	94	91	87	101	89.5
	575	92	93	97	98	98	94	90	88	102	90.5
	827	94	93	97	99	98	94	91	89	102	90.5
45°	67	95	94	98	100	101	98	94	90	105	93.5
	800	97	96	100	101	101	97	93	88	105	93.5
	1729	98	99	99	89	85	87	77	75	94	82.5

RA-800-375-275-6 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

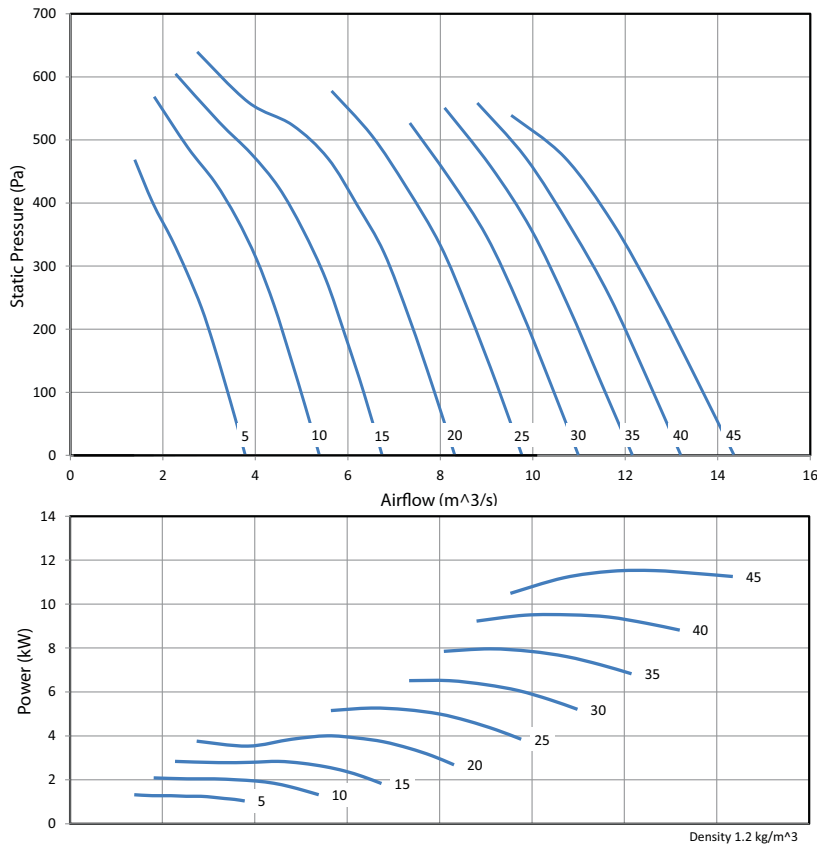


FEG 85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	5	75	78	82	88	89	85	81	78	92	80.5
	241	77	80	89	94	91	83	77	72	94	82.5
	431	83	86	86	85	84	82	79	75	89	77.5
15°	10	82	84	85	86	86	84	81	78	91	79.5
	361	84	86	95	98	93	86	81	74	98	86.5
	604	93	93	91	92	90	87	84	81	95	83.5
25°	25	84	85	88	88	87	84	80	76	91	79.5
	445	86	85	91	93	91	87	84	80	95	83.5
	1160	94	95	92	83	81	79	72	70	88	76.5
35°	42	86	88	91	92	91	88	85	82	96	84.5
	306	86	87	90	92	91	88	85	83	96	84.5
	475	90	90	93	94	93	89	86	84	97	85.5
45°	140	96	97	101	104	105	103	99	95	109	97.5
	448	95	97	101	103	105	103	98	95	109	97.5
	1160	94	95	92	83	81	79	72	70	88	76.5

RA-800-375-275-9 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

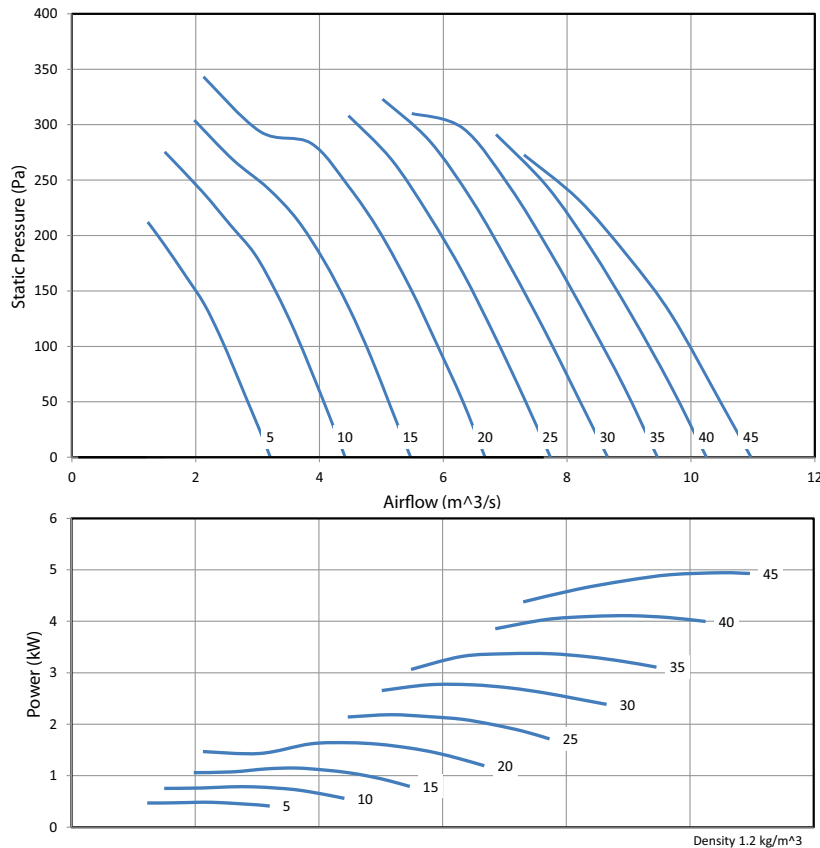


FEG 85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	5	78	80	85	90	91	88	83	80	95	83.5
	328	82	86	93	93	88	83	77	71	93	81.5
	597	84	84	88	87	85	83	81	76	90	78.5
15°	15	80	82	89	90	88	85	82	79	93	81.5
	465	89	92	100	96	91	86	80	74	97	85.5
	761	94	92	93	93	91	87	84	81	95	83.5
25°	25	84	85	91	91	88	85	82	79	93	81.5
	353	82	84	88	88	88	84	81	78	92	80.5
	582	98	95	95	93	89	86	83	78	95	83.5
35°	40	86	87	91	93	92	89	85	82	96	84.5
	386	88	90	93	93	92	88	85	83	97	85.5
	555	89	90	94	95	93	89	86	84	97	85.5
45°	45	90	91	94	96	95	92	88	85	100	88.5
	537	93	92	96	97	95	92	87	83	100	88.5
	1160	94	95	95	83	81	79	72	70	90	78.5

RA-800-375-275-6 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

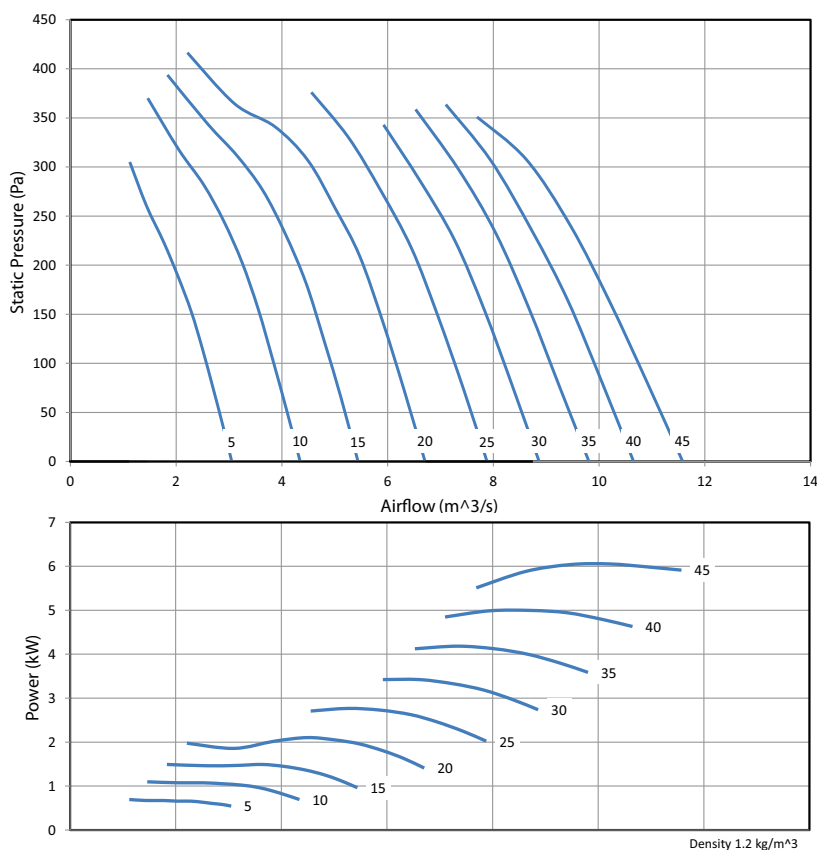


FEG 85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	3	72	75	80	84	83	79	75	73	87	75.5
	157	72	78	86	89	83	77	71	66	89	77.5
	281	79	81	81	80	78	77	73	69	84	72.5
15°	6	78	80	81	82	81	78	75	72	86	74.5
	235	78	84	93	92	86	80	74	68	92	80.5
	393	88	88	87	86	84	81	78	75	89	77.5
25°	16	80	82	83	83	81	78	74	70	86	74.5
	289	80	83	88	88	85	81	78	74	90	78.5
	755	90	90	84	78	77	72	67	65	82	70.5
35°	27	82	84	87	88	85	82	79	77	90	78.5
	199	81	83	86	87	86	83	80	78	90	78.5
	309	85	86	89	89	87	84	81	78	92	80.5
45°	91	91	94	97	99	100	97	93	90	104	92.5
	292	91	94	97	99	100	97	93	89	104	92.5
	755	90	90	84	78	77	72	67	65	82	70.5

RA-800-375-275-9 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).



Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

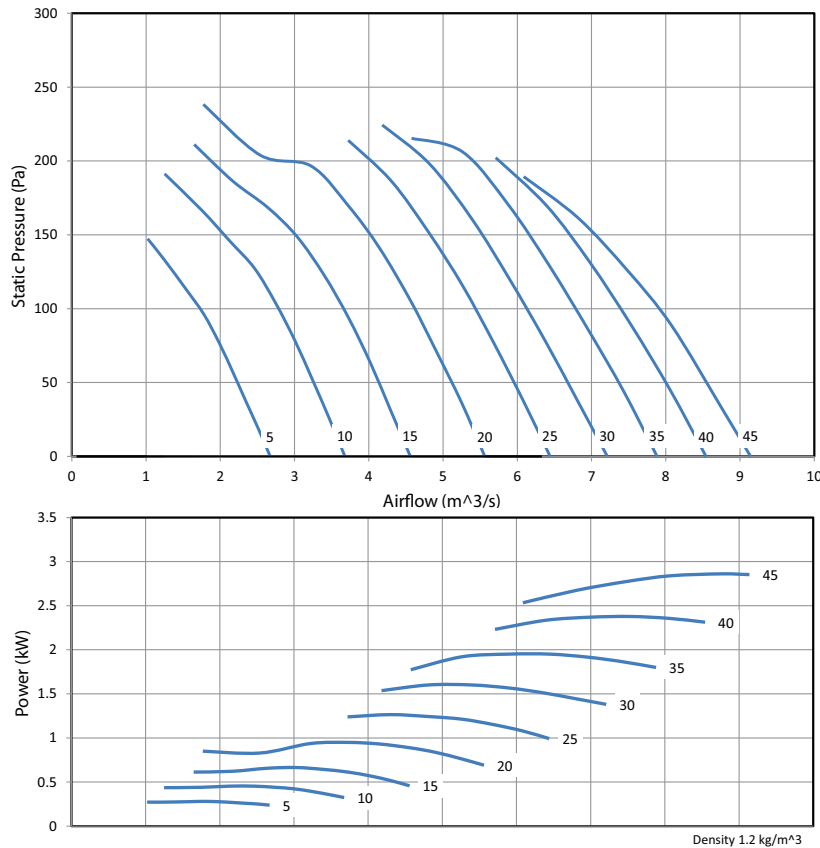


FEG 85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	3	73	79	82	87	86	81	77	74	89	77.5
	213	78	88	89	87	82	76	71	65	88	76.5
	389	79	83	83	81	80	78	75	70	85	73.5
15°	10	75	84	85	85	82	80	77	73	88	76.5
	303	85	95	94	90	85	80	74	67	91	79.5
	495	88	88	88	87	85	82	79	75	90	78.5
25°	16	79	86	87	86	82	80	77	73	88	76.5
	230	77	84	83	84	82	79	76	72	87	75.5
	379	92	91	90	87	84	81	76	72	89	77.5
35°	26	81	86	87	88	86	83	80	76	91	79.5
	251	83	88	88	89	86	83	80	78	91	79.5
	361	84	88	90	90	87	84	81	78	92	80.5
45°	29	85	89	90	91	90	86	83	79	94	82.5
	349	87	91	92	92	90	86	81	77	94	82.5
	755	90	90	84	78	77	72	67	65	82	70.5

RA-800-375-275-6 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

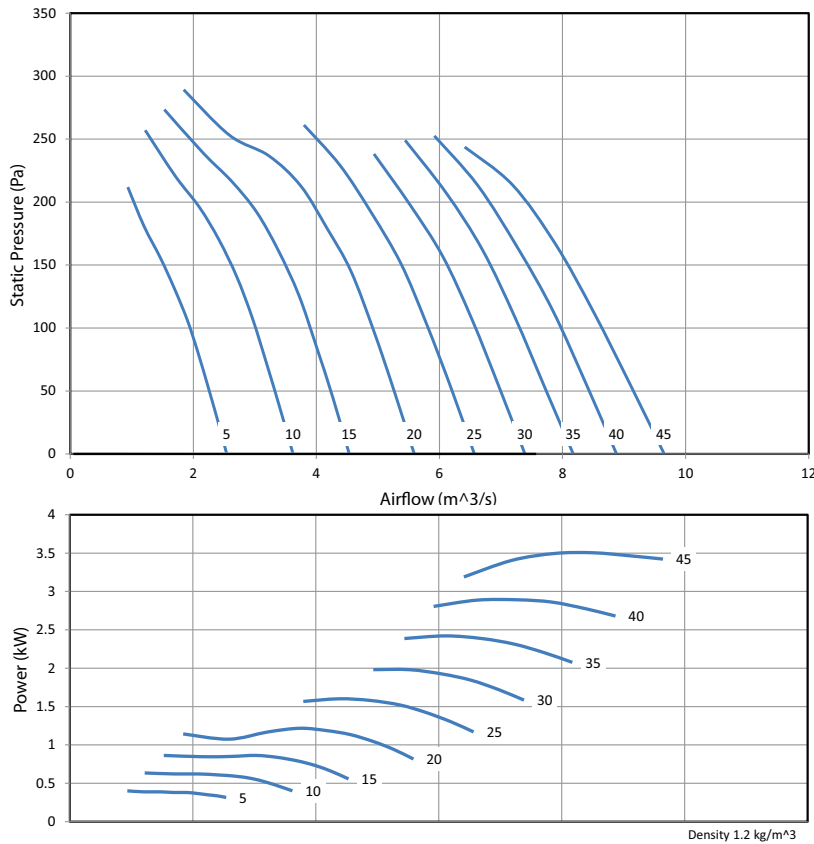


FEG 85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	2	68	72	77	81	78	73	71	68	83	71.5
	109	69	77	84	84	77	71	66	61	84	72.5
	195	76	78	77	76	74	72	68	64	79	67.5
15°	4	74	76	77	78	76	74	71	67	81	69.5
	163	74	83	90	87	80	75	68	62	87	75.5
	273	84	84	83	82	79	77	73	70	85	73.5
25°	11	76	79	79	79	77	73	69	65	82	70.5
	201	75	80	85	84	80	77	73	69	85	73.5
	525	86	86	77	73	73	65	62	60	78	66.5
35°	19	78	81	84	84	81	77	75	72	86	74.5
	138	77	80	83	83	81	78	75	73	86	74.5
	215	80	84	85	85	82	79	76	73	87	75.5
45°	64	88	91	94	96	96	92	88	85	100	88.5
	203	87	91	94	96	96	92	88	84	99	87.5
	525	86	86	77	73	73	65	62	60	78	66.5

RA-800-375-275-9 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

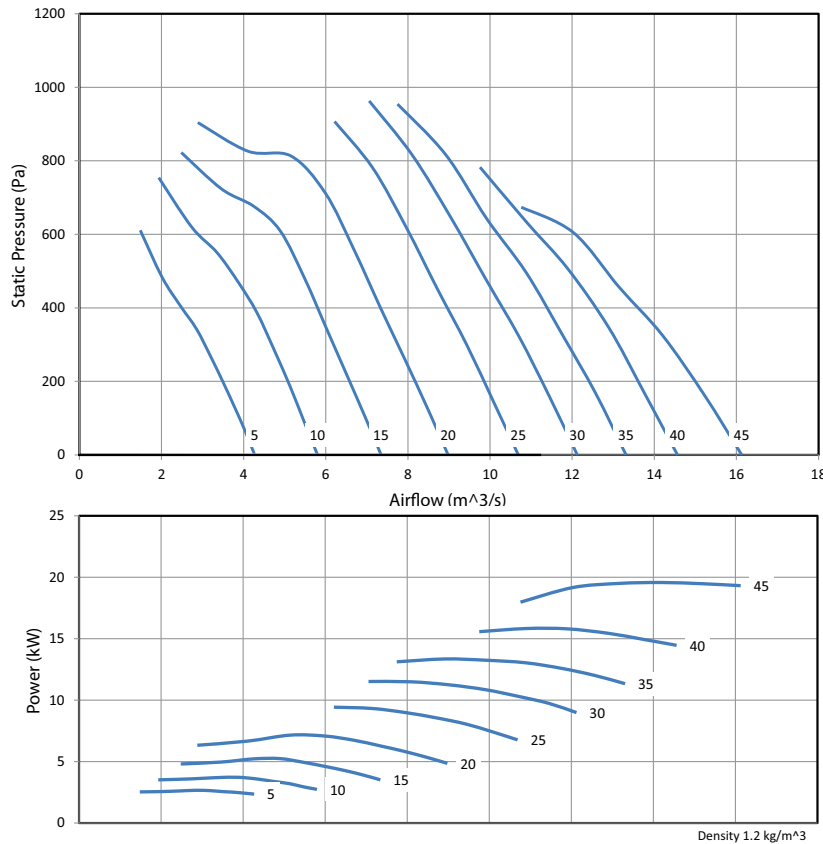


FEG 85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	2	69	75	80	83	81	76	73	69	85	73.5
	148	74	85	85	82	76	71	65	59	83	71.5
	270	75	79	78	77	75	74	69	65	81	69.5
15°	7	71	80	82	80	78	75	72	68	83	71.5
	210	81	91	89	85	79	74	68	61	86	74.5
	344	83	84	84	83	80	77	74	70	85	73.5
25°	11	75	83	83	81	78	75	72	68	83	71.5
	159	73	80	79	80	77	74	71	67	82	70.5
	263	87	87	85	82	79	76	71	67	85	73.5
35°	18	77	82	84	84	81	78	75	72	86	74.5
	175	80	84	85	85	81	78	75	73	87	75.5
	251	80	84	86	85	82	79	76	74	87	75.5
45°	20	81	85	87	88	85	81	78	74	90	78.5
	243	83	87	88	88	85	81	76	72	90	78.5
	525	86	86	77	73	73	65	62	60	78	66.5

RA-800-375-400-6 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

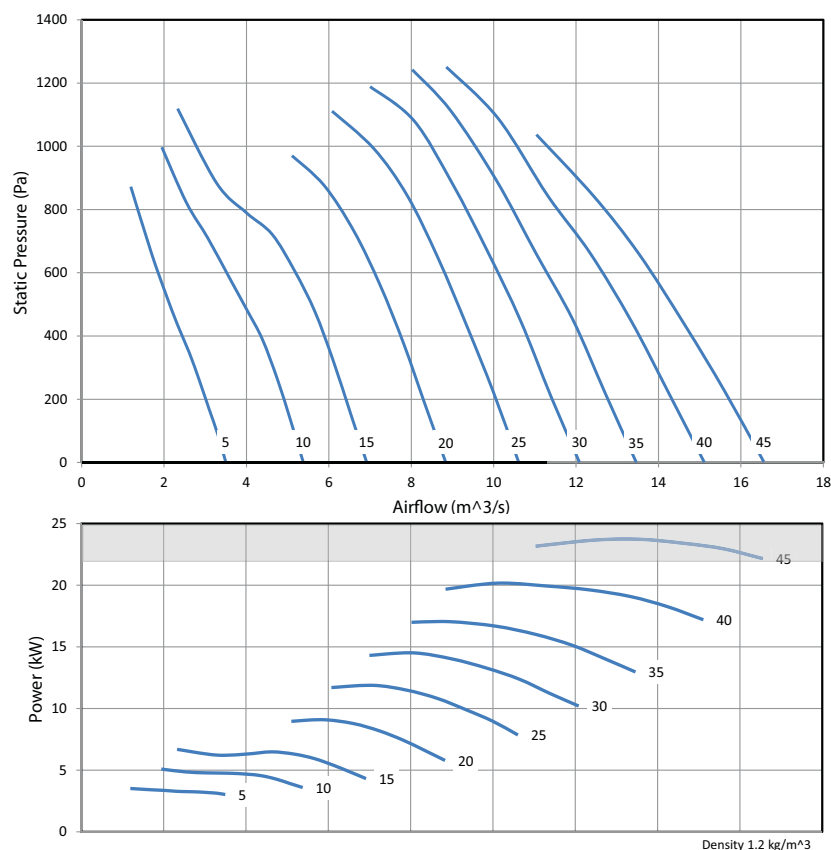


FEG 75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	0	96	95	95	98	97	93	88	81	101	89.5
	393	95	93	93	97	95	90	84	78	99	87.5
	770	98	98	96	93	90	86	81	78	95	83.5
15°	6	91	91	91	93	93	92	88	82	98	86.5
	656	94	93	93	96	94	89	84	81	98	86.5
	980	104	102	100	97	93	88	84	81	99	87.5
25°	34	96	95	94	95	93	92	89	84	99	87.5
	884	98	96	94	94	90	87	83	80	96	84.5
	3956	107	108	108	104	96	95	92	85	105	93.5
35°	74	100	99	99	99	97	94	89	85	102	90.5
	929	104	101	98	99	95	92	86	84	100	88.5
	3956	107	108	108	104	96	95	92	85	105	93.5
45°	68	101	101	101	101	100	96	91	87	104	92.5
	713	105	103	101	101	98	95	89	86	103	91.5
	1032	107	105	103	102	98	94	89	86	104	92.5

RA-800-375-400-9 (1770 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).



Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

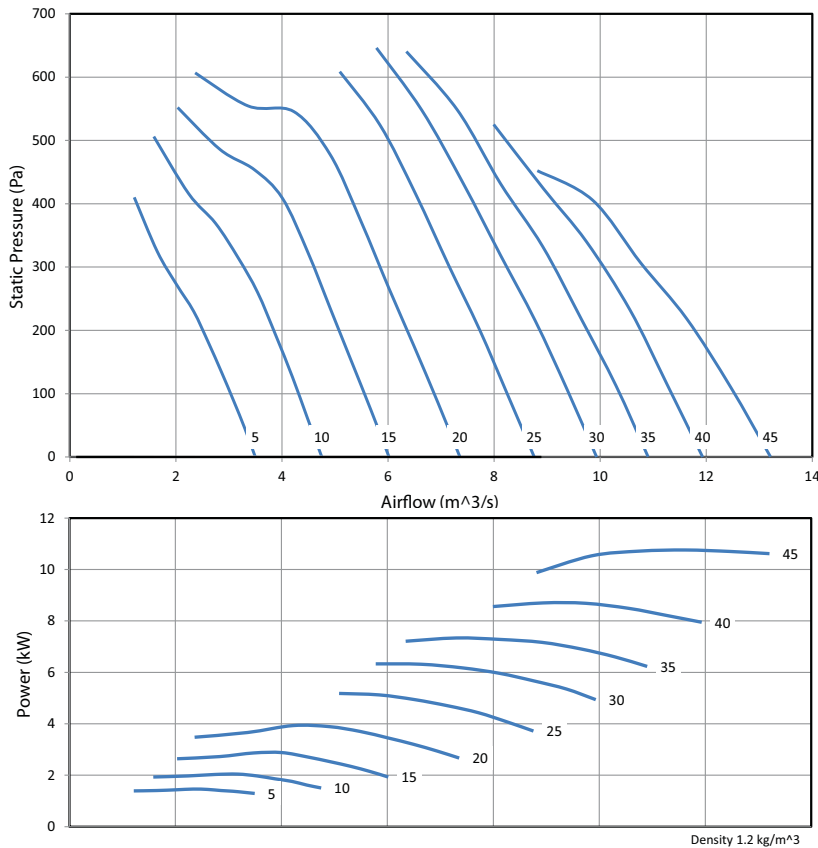


FEG 85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	0	95	95	96	98	96	93	90	82	101	89.5
	644	97	97	97	96	91	88	85	79	97	85.5
	1288	99	97	96	97	95	91	87	84	99	87.5
15°	6	96	95	95	97	95	94	91	83	100	88.5
	376	96	95	95	96	94	92	88	82	99	87.5
	878	100	99	99	100	95	89	84	81	100	88.5
25°	17	100	97	95	98	96	95	91	85	101	89.5
	1083	101	99	98	99	94	90	85	82	100	88.5
	3956	107	108	108	104	96	95	92	85	105	93.5
35°	49	103	100	104	101	100	97	92	87	104	92.5
	704	100	99	100	100	99	94	87	84	103	91.5
	2407	102	103	103	95	90	90	83	79	99	87.5
45°	63	105	103	102	104	102	98	92	87	106	94.5
	1043	105	103	101	103	101	95	88	84	105	93.5
	3956	107	108	108	104	96	95	92	85	105	93.5

RA-800-375-400-6 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

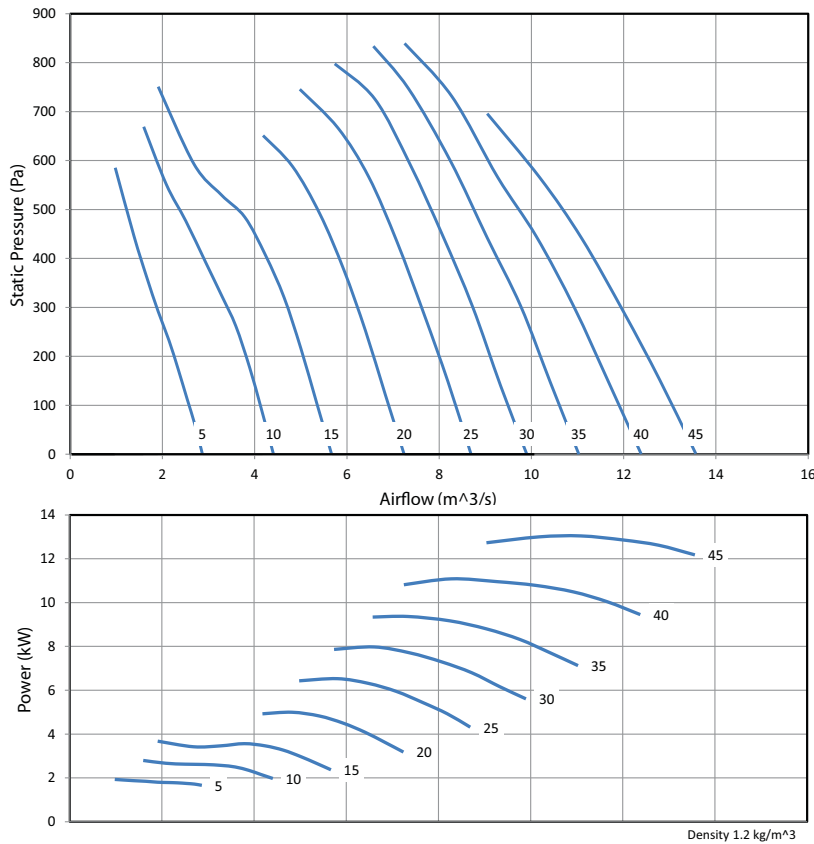


FEG 75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	0	92	90	92	94	91	88	81	75	96	84.5
	264	90	88	91	93	89	84	77	73	94	82.5
	516	93	94	91	88	85	80	76	74	90	78.5
15°	4	87	86	88	89	88	87	82	77	93	81.5
	440	90	88	90	91	88	83	78	77	93	81.5
	658	99	97	95	92	87	82	78	77	93	81.5
25°	23	91	90	90	90	89	88	82	79	94	82.5
	593	94	90	90	89	85	81	77	76	91	79.5
	2655	103	104	104	97	91	91	84	80	100	88.5
35°	50	96	95	95	94	92	88	83	80	97	85.5
	624	99	95	95	93	90	85	80	80	95	83.5
	2655	103	104	104	97	91	91	84	80	100	88.5
45°	46	97	97	97	97	95	90	85	83	99	87.5
	478	101	97	97	96	94	89	83	82	98	86.5
	692	102	99	99	97	93	88	83	81	98	86.5

RA-800-375-400-9 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

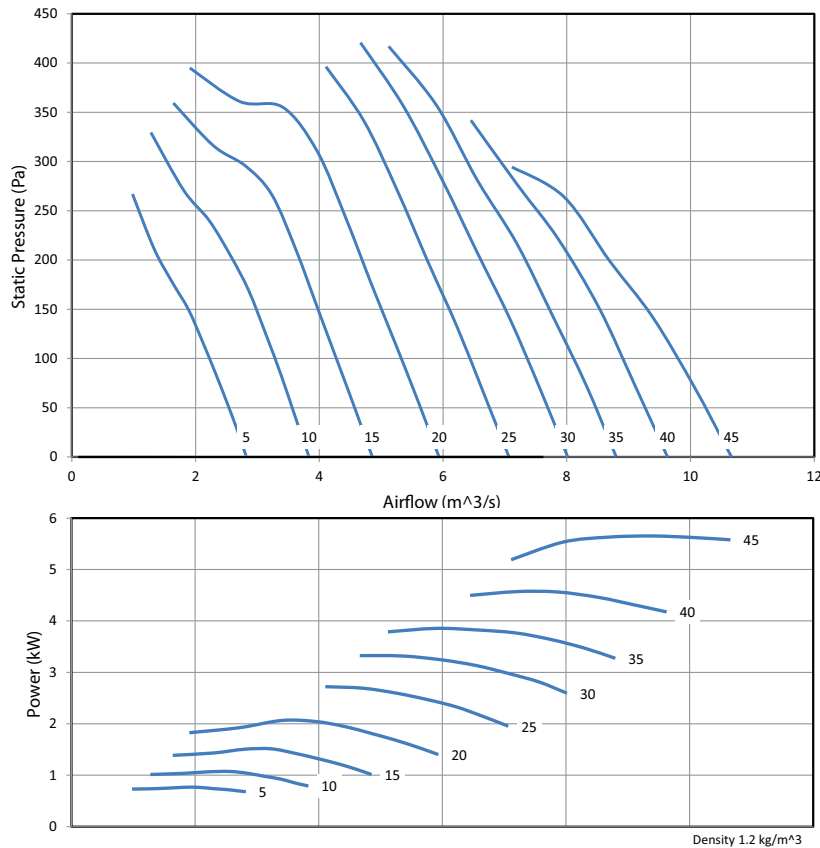


FEG 85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	0	91	90	92	94	91	89	83	77	96	84.5
	432	92	92	93	90	86	84	78	74	92	80.5
	865	94	92	92	92	89	85	81	80	94	82.5
15°	4	91	90	92	92	90	90	84	77	95	83.5
	253	91	90	91	91	89	88	82	78	94	82.5
	589	95	94	96	95	89	83	78	76	95	83.5
25°	11	96	91	93	93	91	90	85	79	96	84.5
	727	96	93	95	93	89	84	80	78	94	82.5
	2655	103	103	104	97	91	91	84	80	100	88.5
35°	33	99	95	100	96	95	91	86	81	99	87.5
	473	95	94	96	95	94	87	81	80	98	86.5
	1615	97	98	99	88	85	85	76	74	94	82.5
45°	42	101	97	99	99	97	93	86	82	101	89.5
	700	101	97	98	99	95	89	82	80	100	88.5
	2655	103	103	104	97	91	91	84	80	100	88.5

RA-800-375-400-6 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

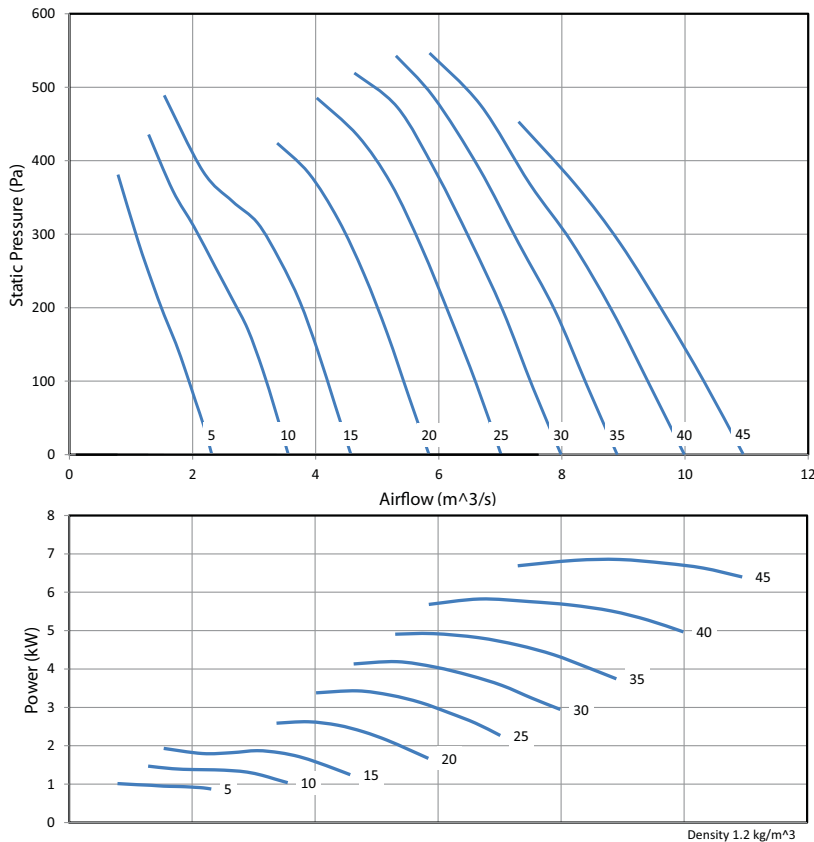


FEG 75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	0	87	84	89	90	85	83	74	69	91	79.5
	172	86	82	88	89	83	78	70	68	89	77.5
	336	89	89	85	83	79	74	70	69	84	72.5
15°	2	82	81	84	84	83	83	75	71	88	76.5
	286	85	82	87	86	82	77	72	72	87	75.5
	428	95	91	90	86	81	76	72	72	88	76.5
25°	15	87	84	86	85	84	83	76	74	89	77.5
	386	89	84	86	83	79	76	71	71	85	73.5
	1729	98	99	99	89	85	87	77	75	94	82.5
35°	32	91	89	91	89	87	82	76	75	91	79.5
	406	95	88	91	87	85	79	74	75	90	78.5
	1729	98	99	99	89	85	87	77	75	94	82.5
45°	30	92	92	93	91	90	84	79	78	94	82.5
	311	96	91	93	90	88	82	77	78	93	81.5
	451	98	92	95	91	87	82	77	76	93	81.5

RA-800-375-400-9 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

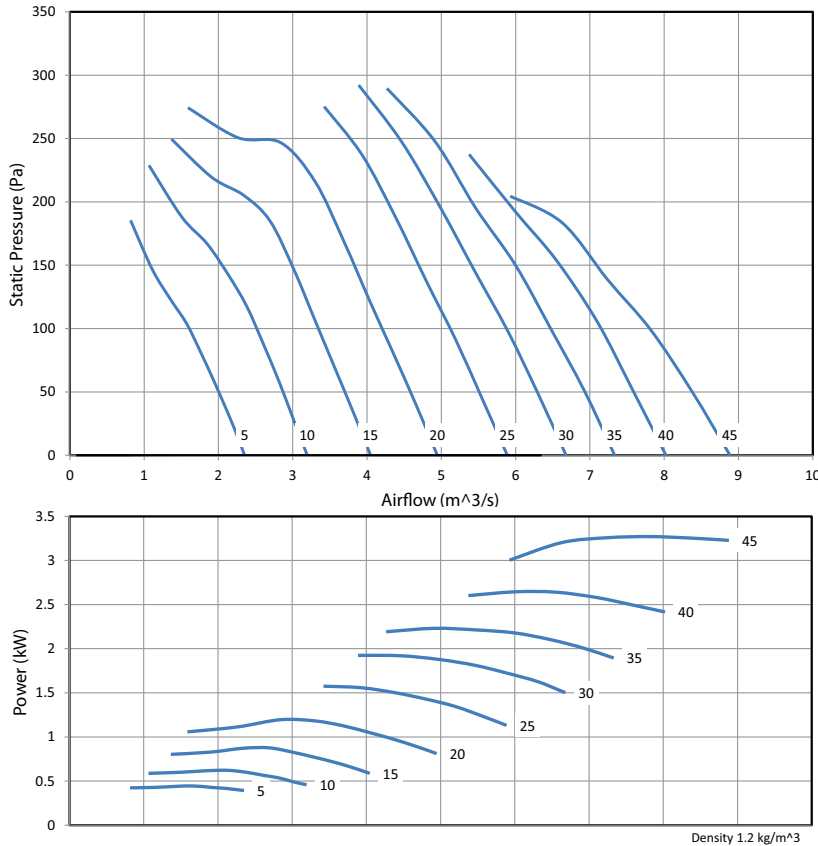


FEG 85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	0	86	85	89	89	84	84	76	70	91	79.5
	281	88	87	88	84	79	79	71	69	86	74.5
	563	90	86	88	87	83	79	76	75	89	77.5
15°	2	87	85	88	86	85	85	77	71	91	79.5
	164	87	85	88	86	83	83	74	72	89	77.5
	384	91	89	92	89	83	77	72	72	90	78.5
25°	7	91	84	90	88	86	86	78	73	91	79.5
	473	92	86	92	86	83	78	73	74	89	77.5
	1729	98	99	99	89	85	87	77	75	94	82.5
35°	21	92	95	94	91	89	85	80	75	94	82.5
	308	90	91	91	90	87	81	76	74	92	80.5
	1052	93	94	90	82	80	78	71	69	87	75.5
45°	27	96	91	96	94	91	86	78	77	96	84.5
	456	96	90	95	94	89	82	75	76	94	82.5
	1729	98	99	99	89	85	87	77	75	94	82.5

RA-800-375-400-6 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

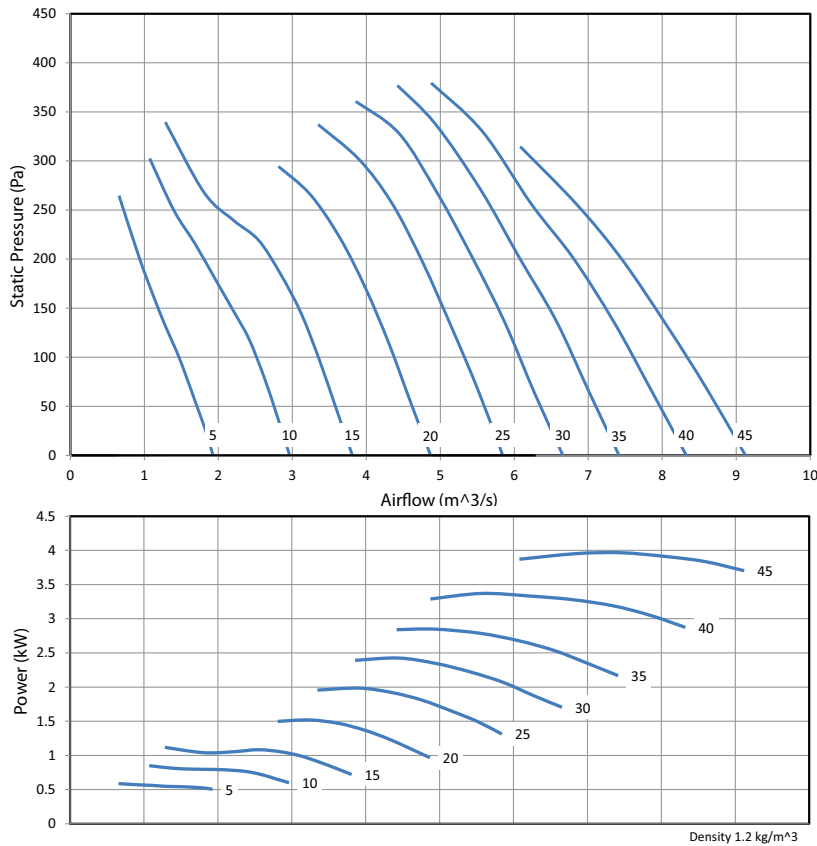


FEG 75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	0	82	81	85	85	81	76	69	63	86	74.5
	119	81	79	84	83	77	72	65	63	83	71.5
	234	85	85	80	78	74	69	65	64	80	68.5
15°	2	78	78	80	80	79	77	70	65	83	71.5
	199	81	79	83	81	77	72	68	68	82	70.5
	297	90	87	85	80	75	71	68	68	82	70.5
25°	10	82	81	82	81	79	77	71	69	84	72.5
	268	84	81	81	78	74	71	67	67	80	68.5
	1200	94	95	93	84	82	80	72	70	89	77.5
35°	22	87	86	86	84	82	77	72	71	86	74.5
	282	89	85	86	83	79	74	70	72	85	73.5
	1200	94	95	93	84	82	80	72	70	89	77.5
45°	21	88	88	88	87	84	79	74	74	89	77.5
	216	91	88	89	86	83	77	73	74	88	76.5
	313	92	89	90	86	82	77	73	72	88	76.5

RA-800-375-400-9 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

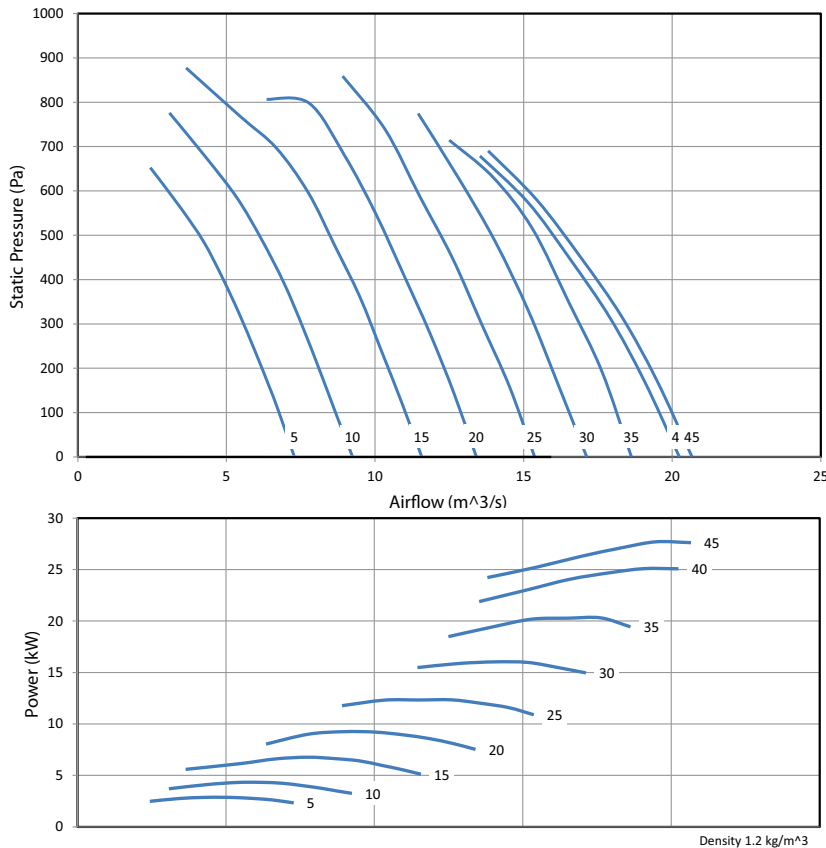


FEG 85

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	0	82	82	85	84	80	78	70	65	86	74.5
	196	84	84	83	79	75	73	67	65	81	69.5
	391	85	83	84	82	78	74	72	71	84	72.5
15°	2	82	82	84	82	81	79	71	65	86	74.5
	114	82	81	83	82	79	77	70	68	84	72.5
	266	86	86	87	83	77	72	68	68	84	72.5
25°	5	85	82	86	83	82	80	73	68	87	75.5
	329	86	84	86	82	78	73	70	70	84	72.5
	1200	94	95	93	84	82	80	72	70	89	77.5
35°	15	87	91	89	87	84	80	74	69	89	77.5
	214	86	87	87	86	82	75	72	70	87	75.5
	730	89	90	83	77	77	71	66	64	82	70.5
45°	19	91	88	92	89	86	80	74	72	91	79.5
	317	91	87	90	88	83	76	71	72	89	77.5
	1200	94	95	93	84	82	80	72	70	89	77.5

RA-900-500-275-6 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

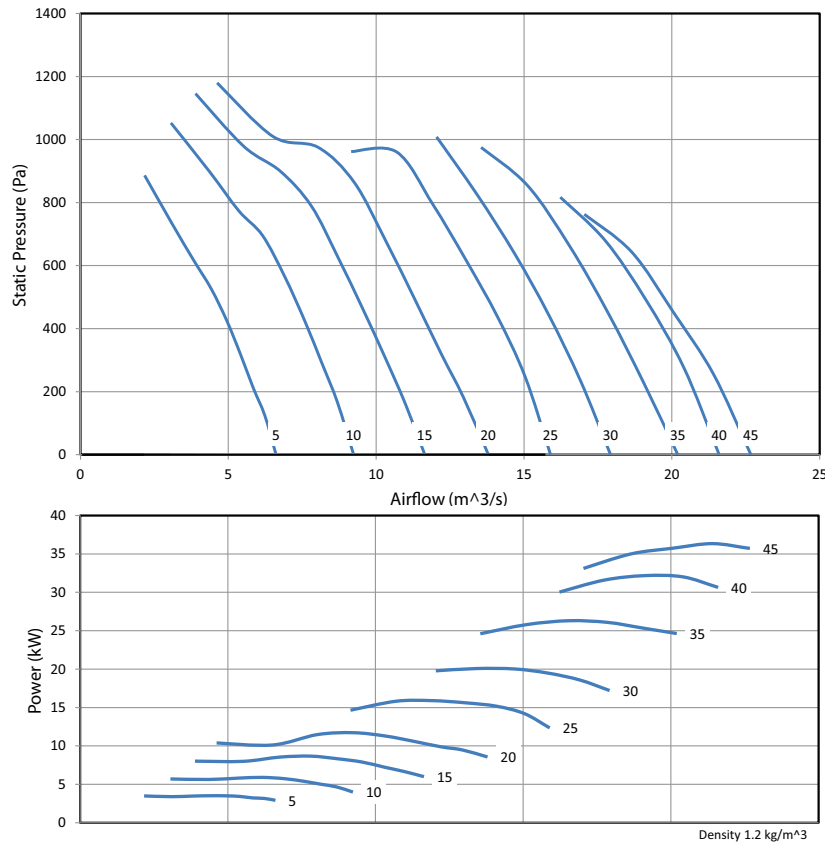


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	22	80	86	90	94	95	92	88	86	99	87.5
	379	79	83	86	95	99	96	88	83	102	90.5
	873	87	91	93	95	94	90	86	83	98	86.5
15°	48	86	91	94	97	95	90	85	84	99	87.5
	397	83	86	90	93	92	87	84	81	96	84.5
	835	95	103	103	103	100	93	88	84	104	92.5
25°	82	90	94	96	98	97	91	87	84	101	89.5
	386	90	93	95	97	96	91	87	85	100	88.5
	850	89	92	94	97	96	93	89	87	100	88.5
35°	111	97	98	100	102	101	97	92	89	105	93.5
	386	97	97	99	101	100	96	92	89	104	92.5
	746	98	103	104	105	104	99	94	90	108	96.5
45°	137	101	103	102	104	103	99	95	92	107	95.5
	375	99	103	102	104	102	99	95	91	107	95.5
	724	103	111	107	106	105	101	96	91	109	97.5

RA-900-500-275-9 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

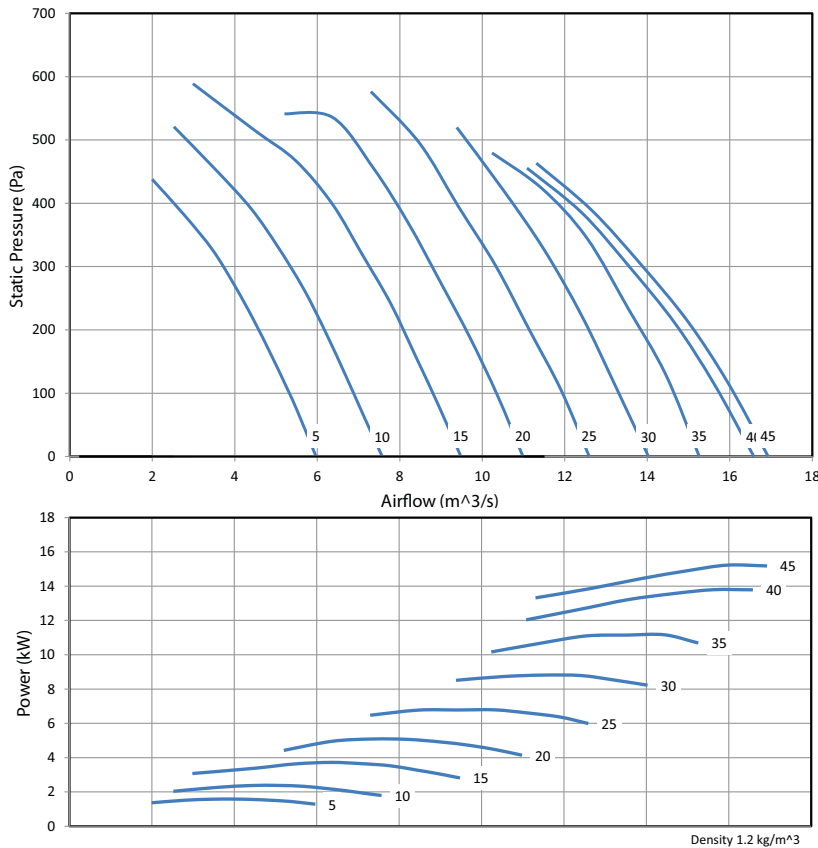


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	19	82	84	93	96	98	96	91	88	102	90.5
	368	79	79	92	95	99	97	91	86	103	91.5
	932	88	88	94	94	92	88	84	81	96	84.5
15°	45	87	88	100	99	97	93	89	87	101	89.5
	553	84	84	96	96	94	90	86	83	99	87.5
	1158	96	97	100	100	98	92	87	84	102	90.5
25°	74	92	92	102	101	99	94	88	85	103	91.5
	390	89	90	100	100	99	93	88	85	102	90.5
	928	91	90	97	98	97	92	88	86	101	89.5
35°	115	96	97	102	103	102	97	93	89	106	94.5
	557	94	95	101	101	100	96	92	89	104	92.5
	935	92	93	99	100	99	96	91	88	103	91.5
45°	148	95	101	106	105	104	101	97	93	109	97.5
	557	95	99	104	104	103	100	95	91	107	95.5
	861	102	106	106	105	104	102	97	91	109	97.5

RA-900-500-275-6 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

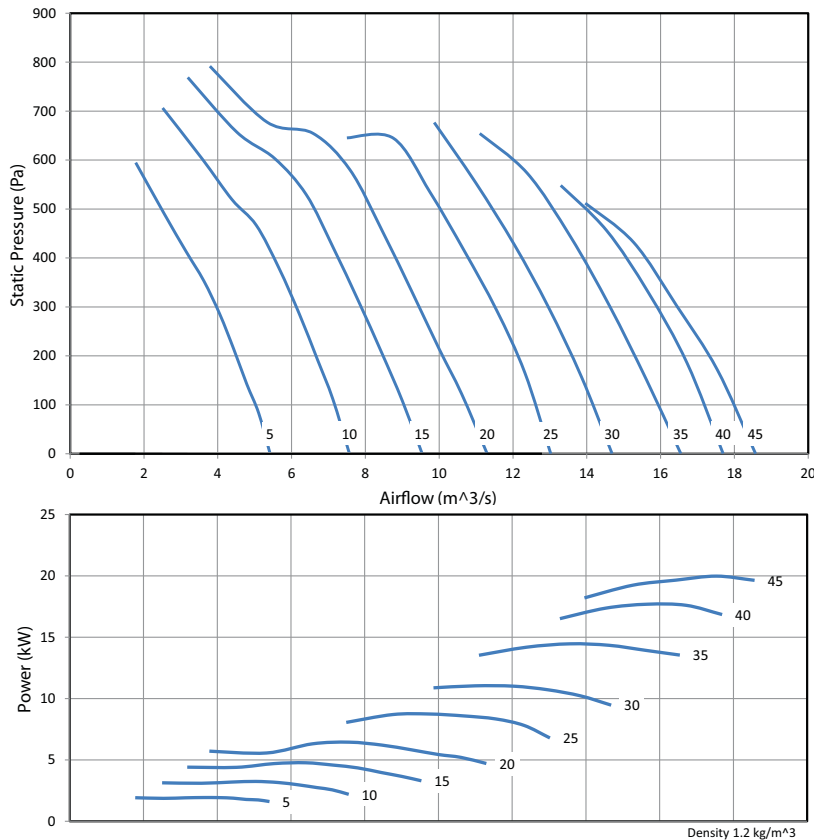


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	15	76	82	86	90	91	86	83	81	94	82.5
	254	74	78	84	93	96	90	81	77	98	86.5
	586	83	86	90	91	90	85	81	77	94	82.5
15°	32	82	86	91	93	89	84	80	79	94	82.5
	267	79	82	87	90	87	81	79	76	91	79.5
	561	91	99	98	98	94	87	82	79	99	87.5
25°	55	86	90	92	95	92	85	82	79	96	84.5
	259	86	89	91	94	90	84	81	80	95	83.5
	571	85	88	91	94	91	87	84	83	96	84.5
35°	75	93	93	97	98	96	91	87	84	100	88.5
	259	93	93	96	97	95	90	86	85	99	87.5
	501	94	99	100	101	99	94	88	84	103	91.5
45°	92	97	99	97	101	98	94	90	86	102	90.5
	252	95	98	97	100	97	94	89	85	102	90.5
	486	98	107	101	102	99	95	90	85	104	92.5

RA-900-500-275-9 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

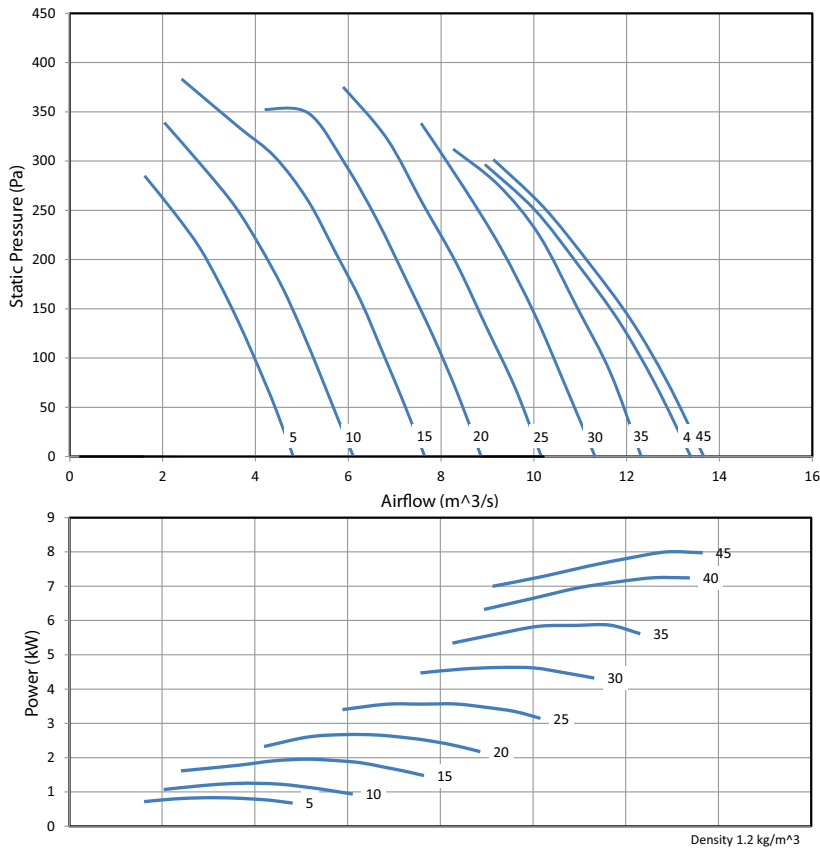


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	12	78	80	89	92	94	90	86	83	97	85.5
	247	74	75	87	92	96	92	84	80	99	87.5
	625	84	83	90	89	87	82	79	75	92	80.5
15°	30	83	84	96	94	92	87	84	83	96	84.5
	371	80	80	92	91	90	85	81	78	94	82.5
	777	91	93	96	96	93	86	82	79	97	85.5
25°	50	88	88	98	96	94	87	83	80	98	86.5
	379	86	85	95	94	93	86	82	80	96	84.5
	623	86	85	93	94	92	86	83	81	96	84.5
35°	77	91	93	98	99	97	91	87	83	101	89.5
	374	90	92	97	97	96	91	86	84	100	88.5
	628	88	89	95	96	95	90	86	83	99	87.5
45°	100	91	99	101	101	99	96	91	88	104	92.5
	374	90	96	100	99	98	94	89	86	102	90.5
	578	97	104	101	101	100	96	91	85	104	92.5

RA-900-500-275-6 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

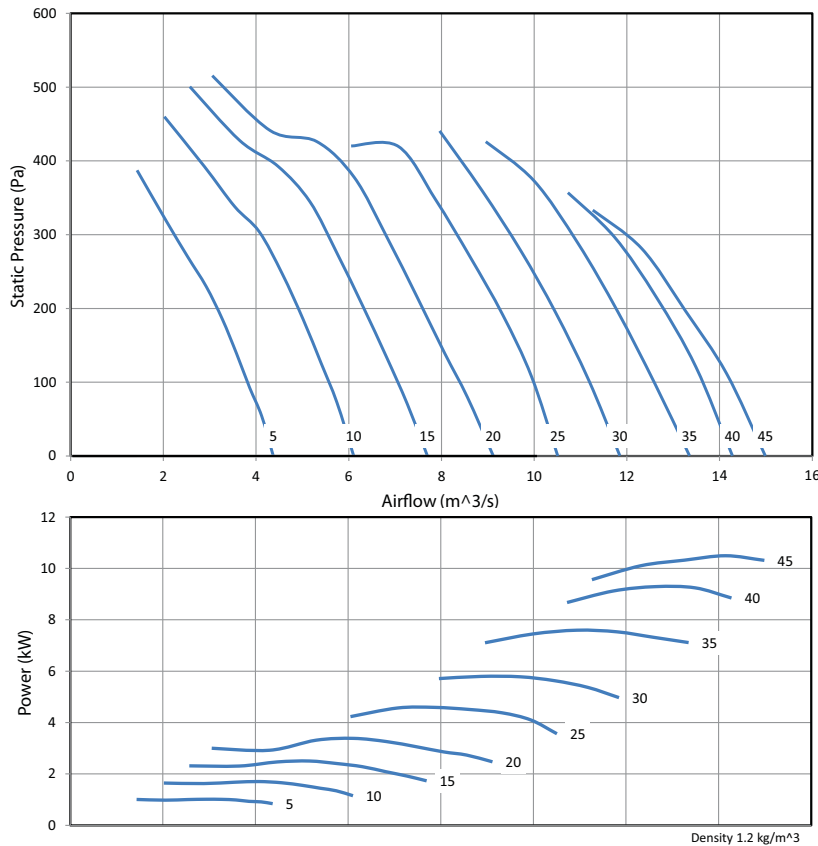


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	10	73	79	83	86	85	80	78	76	89	77.5
	165	71	75	82	89	89	82	75	71	92	80.5
	381	79	83	85	86	83	79	75	72	88	76.5
15°	21	79	83	87	87	83	78	75	74	88	76.5
	174	75	79	83	84	80	76	73	70	85	73.5
	365	88	94	94	92	87	81	76	73	93	81.5
25°	36	83	86	88	89	85	79	76	73	90	78.5
	169	82	85	87	88	84	79	76	75	89	77.5
	372	81	84	87	88	86	82	79	78	90	78.5
35°	49	88	90	93	93	90	85	81	79	94	82.5
	169	88	89	92	92	89	84	81	80	94	82.5
	326	91	95	96	96	92	87	82	78	97	85.5
45°	60	93	94	93	95	92	88	84	81	97	85.5
	164	91	94	94	95	91	88	83	80	96	84.5
	316	96	102	97	97	94	89	84	79	98	86.5

RA-900-500-275-9 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

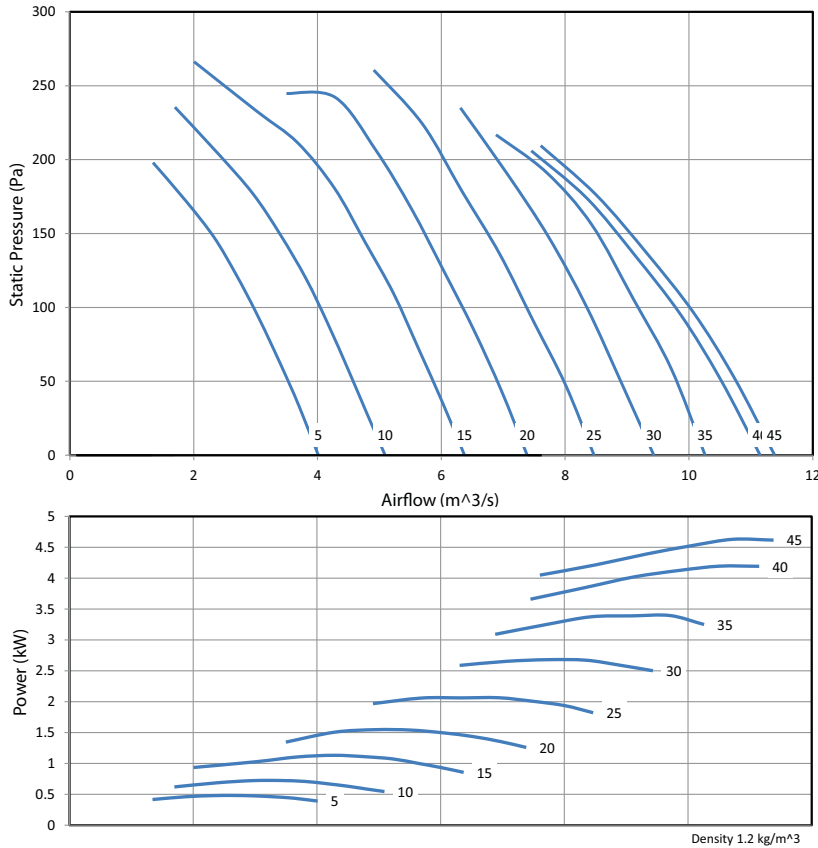


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	8	74	84	85	88	88	84	80	77	92	80.5
	161	70	83	84	88	90	85	78	74	93	81.5
	407	79	85	85	84	81	76	73	69	86	74.5
15°	19	79	91	91	89	86	81	79	78	91	79.5
	242	75	87	87	86	83	79	75	72	88	76.5
	506	87	91	91	90	86	80	76	74	91	79.5
25°	32	83	93	93	91	87	81	77	74	92	80.5
	170	81	91	91	90	87	80	77	74	92	80.5
	406	81	88	88	88	86	80	78	76	90	78.5
35°	50	87	93	93	94	91	85	81	77	95	83.5
	243	86	92	92	92	89	85	81	78	94	82.5
	409	84	90	90	91	89	84	80	78	93	81.5
45°	65	89	97	96	96	94	90	85	82	98	86.5
	243	87	95	95	94	92	88	83	80	97	85.5
	376	95	98	96	96	94	90	84	79	98	86.5

RA-900-500-275-6 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

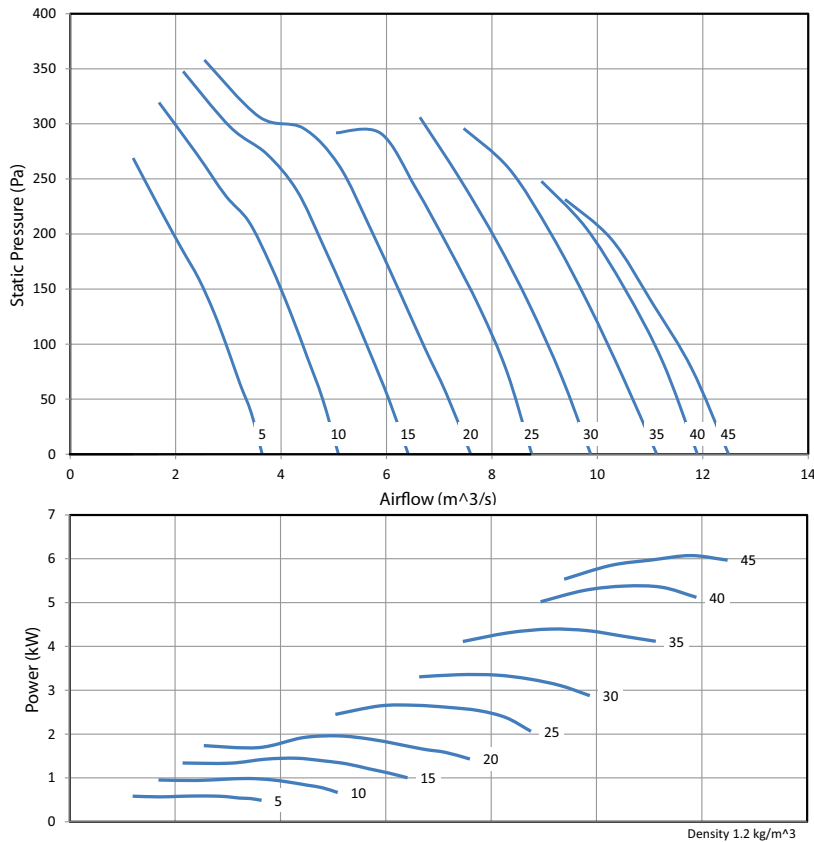


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	7	71	76	80	82	79	76	73	71	84	72.5
	115	68	73	80	86	84	76	70	67	87	75.5
	265	76	80	82	82	78	74	70	67	83	71.5
15°	15	76	80	83	82	77	73	71	70	83	71.5
	121	72	76	80	79	75	71	68	66	81	69.5
	253	87	90	90	87	81	75	71	68	88	76.5
25°	25	80	83	85	84	79	75	71	69	85	73.5
	117	79	82	84	83	78	74	72	70	84	72.5
	258	78	81	84	84	81	77	75	74	86	74.5
35°	34	84	87	89	88	84	80	77	74	90	78.5
	117	84	86	88	87	84	79	77	75	89	77.5
	226	88	91	92	91	87	82	77	73	92	80.5
45°	42	89	90	90	90	87	83	79	76	92	80.5
	114	88	90	90	90	87	82	78	75	92	80.5
	220	95	98	93	92	88	84	79	74	94	82.5

RA-900-500-275-9 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

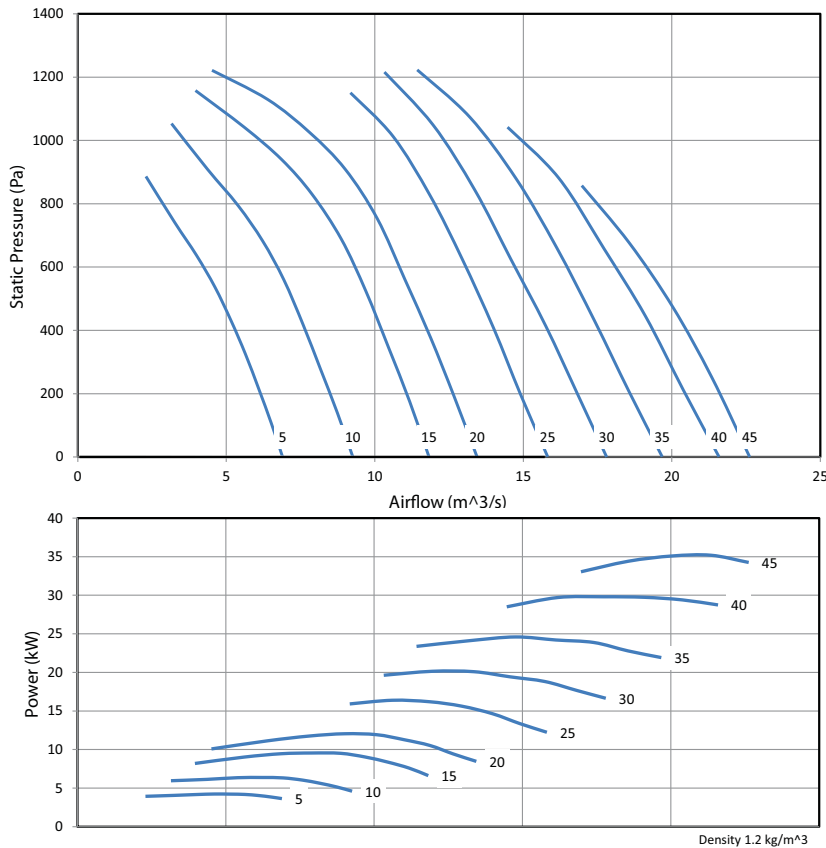


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	6	70	80	82	85	83	79	75	73	87	75.5
	112	66	79	81	86	85	79	73	69	88	76.5
	283	75	81	81	80	76	72	68	64	81	69.5
15°	13	75	87	86	84	80	76	75	73	86	74.5
	168	71	83	83	82	78	74	71	68	83	71.5
	352	84	87	87	85	80	75	72	69	86	74.5
25°	22	79	89	88	86	82	76	72	69	87	75.5
	171	77	86	86	85	80	75	72	70	86	74.5
	282	77	84	85	84	80	76	73	71	85	73.5
35°	35	84	89	90	89	85	80	76	72	90	78.5
	169	82	88	88	88	84	79	76	74	89	77.5
	284	80	86	87	87	84	79	76	73	88	76.5
45°	45	87	93	92	91	89	84	80	77	93	81.5
	169	85	92	91	90	87	83	79	75	92	80.5
	261	93	93	92	92	89	85	79	74	94	82.5

RA-900-500-400-6 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

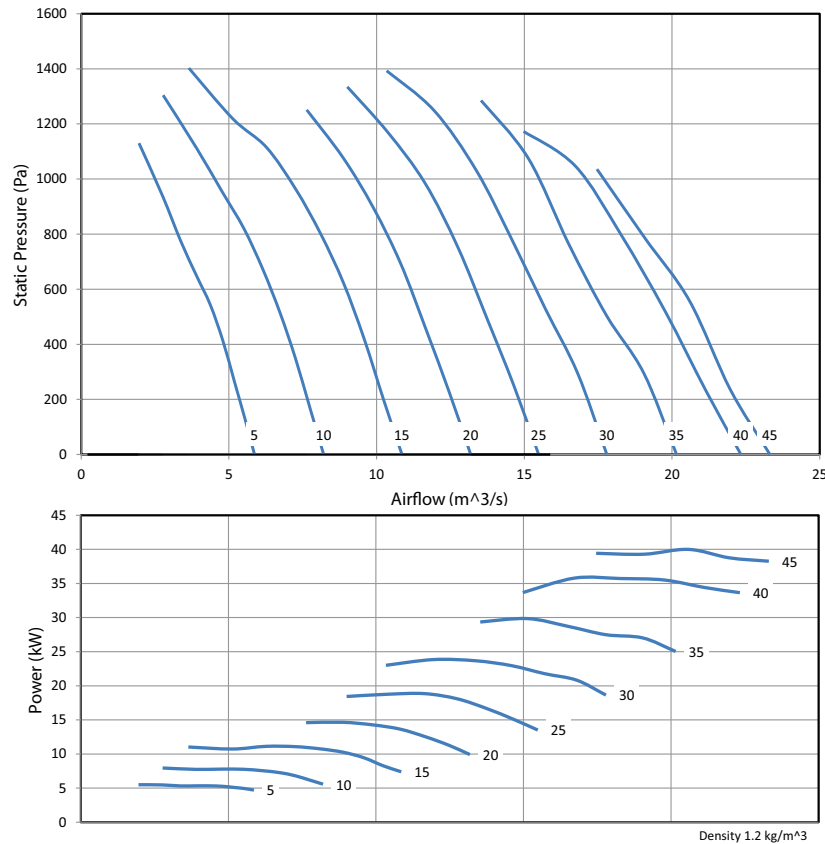


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	19	89	91	96	98	98	96	94	86	103	91.5
	557	90	91	94	100	101	95	89	83	104	92.5
	928	91	97	97	97	93	88	83	81	98	86.5
15°	41	90	96	100	99	96	95	93	87	102	90.5
	531	90	94	97	96	93	90	87	85	99	87.5
	1099	98	111	107	103	98	91	85	83	104	92.5
25°	82	93	99	101	101	98	94	91	86	103	91.5
	538	95	96	100	99	95	91	86	83	100	88.5
	1125	99	97	98	98	94	88	84	84	99	87.5
35°	134	96	102	102	103	102	97	92	88	106	94.5
	549	97	102	102	102	100	96	90	88	104	92.5
	1151	97	100	101	101	99	94	89	87	103	91.5
45°	163	96	106	105	108	105	100	94	91	109	97.5
	601	96	105	104	106	104	99	93	90	108	96.5
	1058	101	109	109	108	103	98	93	88	109	97.5

RA-900-500-400-9 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

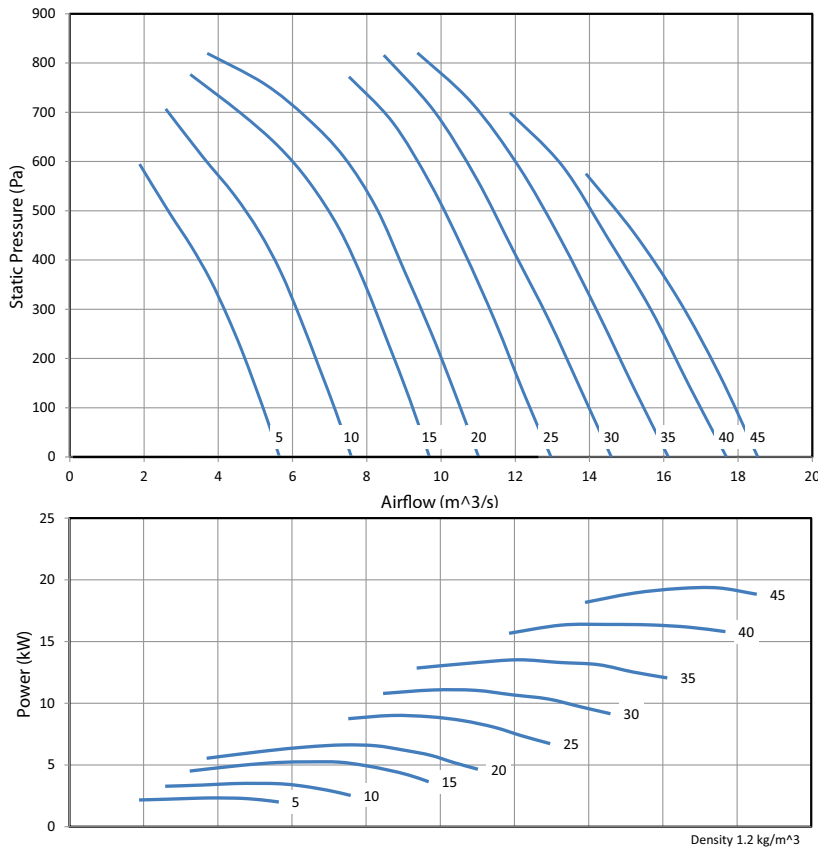


FEG 75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	15	91	92	99	99	99	97	97	88	104	92.5
	557	91	91	97	100	100	97	92	86	104	92.5
	1314	96	95	101	99	96	92	87	85	101	89.5
15°	33	92	93	103	101	98	97	97	89	104	92.5
	564	96	94	100	99	96	94	92	87	102	90.5
	1277	101	101	110	106	101	94	87	84	107	95.5
25°	78	95	96	105	103	99	97	95	88	105	93.5
	572	96	95	106	102	97	94	91	87	104	92.5
	1292	96	97	101	100	97	92	86	85	101	89.5
35°	152	102	102	102	105	103	99	94	89	107	95.5
	549	103	101	102	103	101	96	90	86	105	93.5
	1262	101	101	101	102	100	94	88	86	104	92.5
45°	141	105	107	106	106	105	101	96	90	109	97.5
	590	106	106	104	105	104	101	94	89	108	96.5
	1091	106	106	105	105	104	100	94	88	108	96.5

RA-900-500-400-6 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

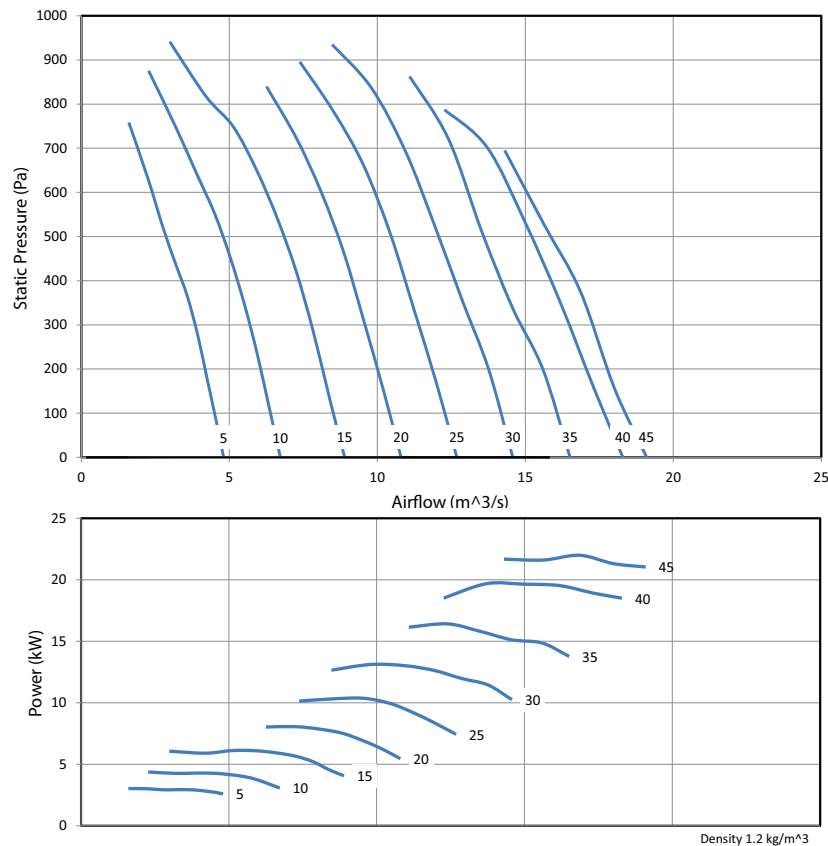


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	12	84	87	93	95	93	90	89	79	98	86.5
	374	86	87	90	97	97	88	84	76	99	87.5
	623	87	93	93	92	87	82	77	76	93	81.5
15°	27	85	92	97	94	91	90	89	80	97	85.5
	356	86	90	93	92	88	85	82	80	94	82.5
	738	94	107	100	98	92	84	79	79	99	87.5
25°	55	89	95	98	96	93	89	86	80	98	86.5
	361	90	92	97	93	90	85	80	78	95	83.5
	755	94	92	95	93	88	82	79	80	94	82.5
35°	90	92	98	97	99	96	91	86	82	101	89.5
	369	93	98	97	98	95	90	84	83	99	87.5
	772	93	96	98	97	93	88	83	83	98	86.5
45°	110	91	101	100	105	99	94	88	85	105	93.5
	404	92	100	100	103	98	93	87	85	103	91.5
	710	97	104	105	103	97	92	87	83	104	92.5

RA-900-500-400-9 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

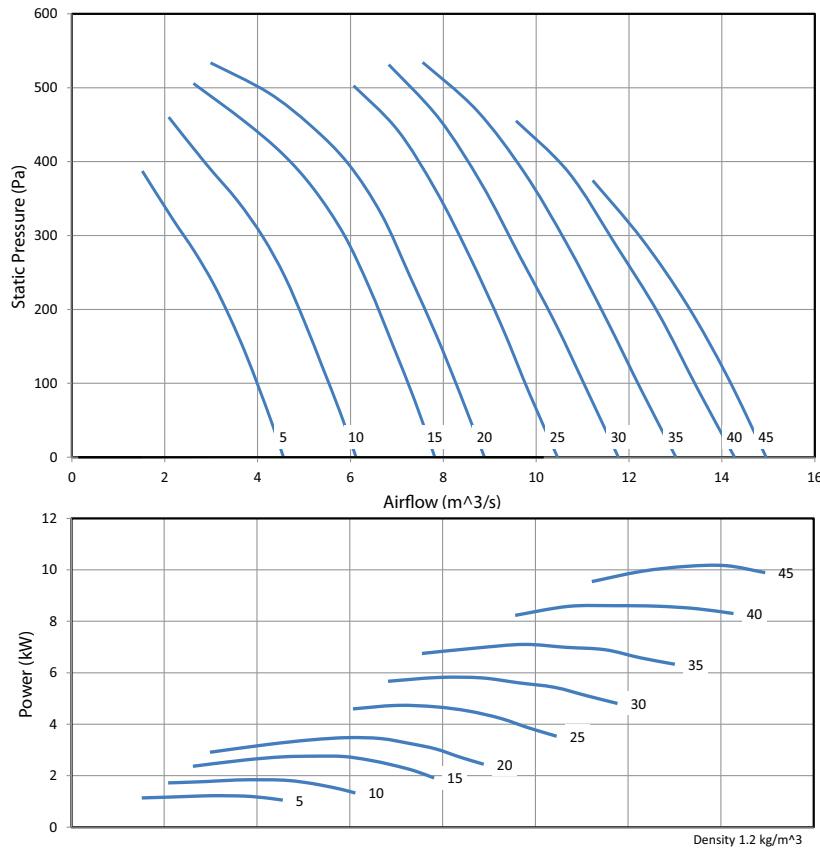


FEG 75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	10	87	87	95	95	94	93	93	81	100	88.5
	374	86	87	93	97	96	91	87	80	99	87.5
	882	91	91	97	94	91	86	81	80	96	84.5
15°	22	88	89	99	95	93	92	92	82	100	88.5
	379	91	89	96	94	91	89	86	81	97	85.5
	857	97	97	106	101	94	87	81	80	102	90.5
25°	52	91	91	101	98	94	92	90	82	100	88.5
	384	92	90	102	95	92	89	85	82	98	86.5
	867	92	93	96	95	91	86	80	80	96	84.5
35°	102	97	97	98	101	97	93	88	83	102	90.5
	369	99	96	97	100	95	91	84	81	100	88.5
	847	97	97	97	99	94	88	82	81	99	87.5
45°	95	101	104	100	102	100	96	89	85	104	92.5
	396	101	102	99	101	99	95	87	83	103	91.5
	732	102	102	100	101	99	94	87	83	103	91.5

RA-900-500-400-6 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

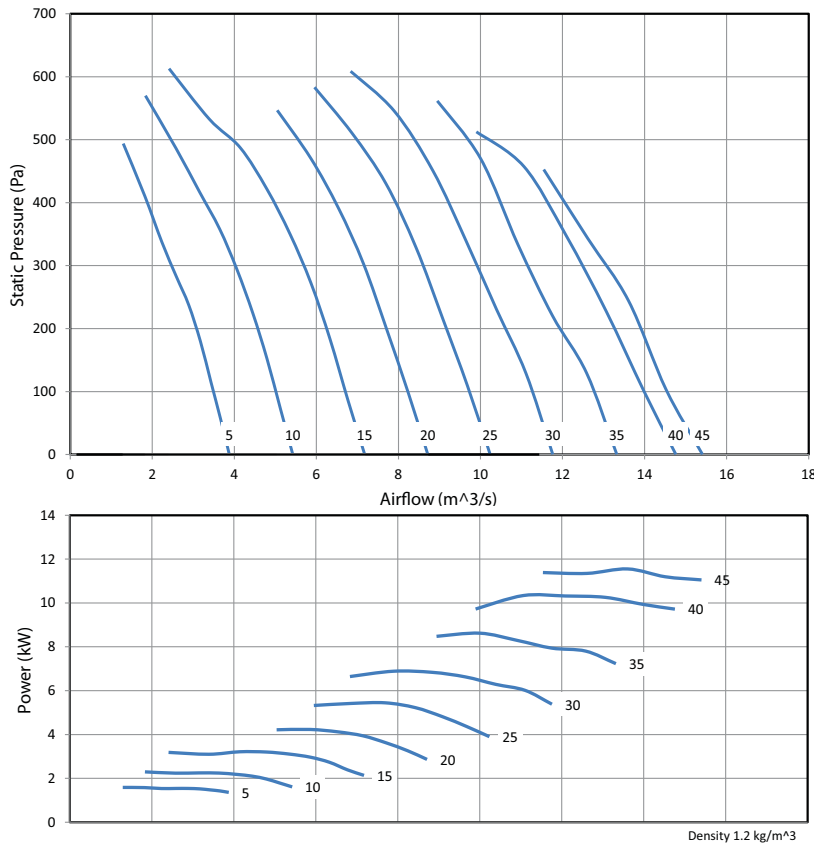


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	8	80	84	89	90	88	85	81	71	92	80.5
	243	82	83	88	92	89	82	77	69	93	81.5
	406	84	88	88	86	81	76	72	71	87	75.5
15°	18	83	89	91	89	86	85	81	73	92	80.5
	232	83	86	88	86	82	79	77	74	88	76.5
	480	93	102	95	91	85	78	74	74	93	81.5
25°	36	86	91	92	90	87	84	80	73	92	80.5
	235	86	89	91	88	84	79	75	72	89	77.5
	492	89	89	89	87	82	76	75	76	88	76.5
35°	58	89	93	93	94	90	85	80	76	95	83.5
	240	90	93	93	92	89	83	79	78	94	82.5
	503	89	92	93	91	87	82	78	78	92	80.5
45°	71	90	97	97	98	93	88	83	80	99	87.5
	263	90	96	96	97	92	87	82	80	97	85.5
	462	94	100	100	97	91	86	81	77	98	86.5

RA-900-500-400-9 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

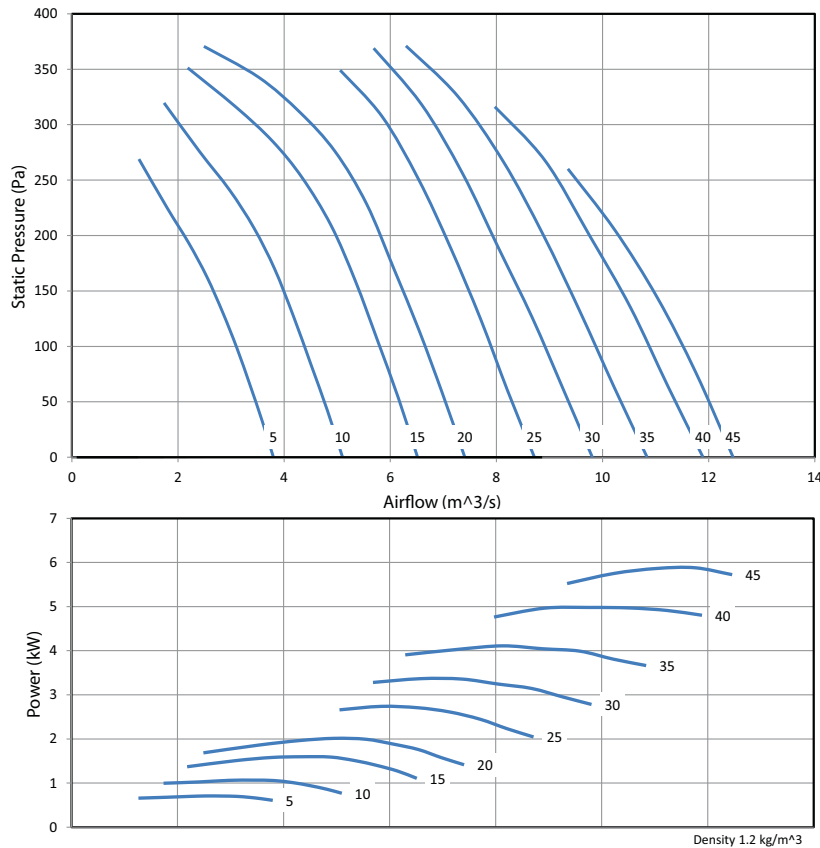


FEG 75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	6	82	90	90	90	89	88	84	72	94	82.5
	243	82	88	90	92	90	85	80	73	94	82.5
	574	87	92	91	88	85	80	76	75	90	78.5
15°	15	84	94	93	90	88	88	84	74	94	82.5
	247	86	91	91	88	86	84	80	75	91	79.5
	558	92	101	99	94	88	81	76	75	95	83.5
25°	34	86	96	95	92	89	87	83	74	95	83.5
	250	87	97	95	90	86	83	79	76	93	81.5
	565	88	92	91	89	85	79	76	76	91	79.5
35°	67	93	93	94	95	91	87	82	76	96	84.5
	240	94	93	93	94	89	84	78	76	94	82.5
	551	92	92	93	93	88	82	77	77	93	81.5
45°	62	97	98	96	97	94	89	83	78	98	86.5
	258	97	97	95	96	93	88	81	78	97	85.5
	477	97	97	95	96	93	88	81	76	97	85.5

RA-900-500-400-6 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

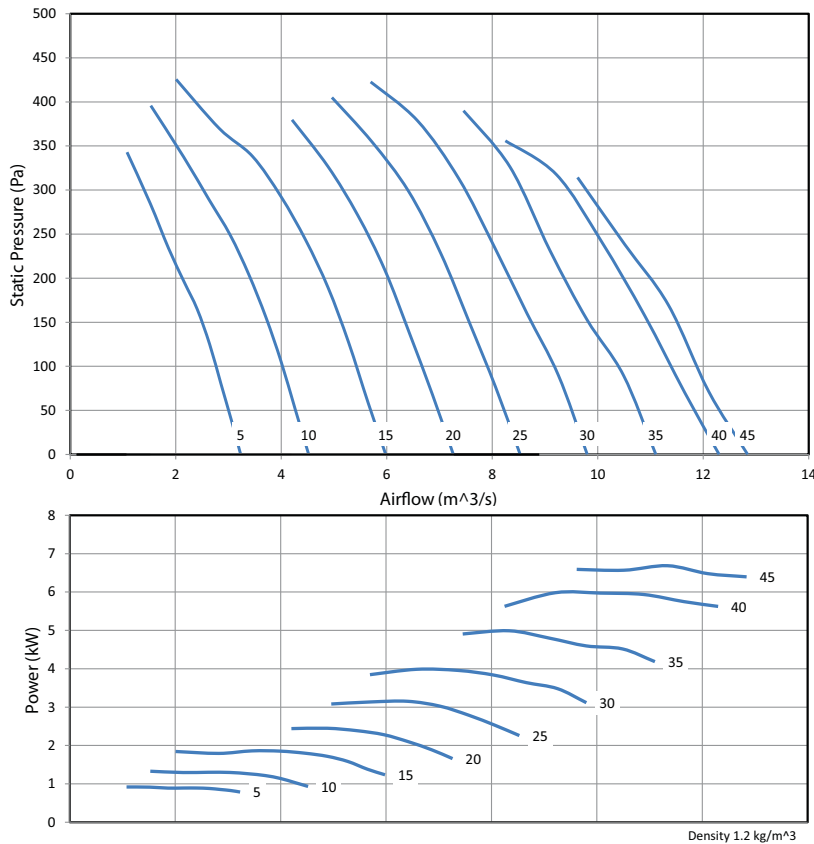


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	6	77	82	85	85	83	81	75	64	88	76.5
	169	78	80	86	88	83	77	71	63	88	76.5
	282	81	84	84	81	75	70	68	67	82	70.5
15°	12	81	86	87	84	82	80	75	67	87	75.5
	161	80	83	84	81	78	75	72	70	84	72.5
	333	93	98	90	86	79	73	70	70	88	76.5
25°	25	84	88	88	86	82	79	74	68	88	76.5
	163	83	86	86	83	79	74	70	68	85	73.5
	341	85	85	85	81	76	72	71	73	83	71.5
35°	41	87	89	90	89	85	80	75	71	90	78.5
	167	87	89	89	88	83	78	75	74	89	77.5
	349	86	88	88	86	82	76	74	74	87	75.5
45°	50	88	93	94	93	88	82	78	75	94	82.5
	182	88	92	93	91	86	81	77	76	92	80.5
	321	92	96	95	91	86	81	76	72	93	81.5

RA-900-500-400-9 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

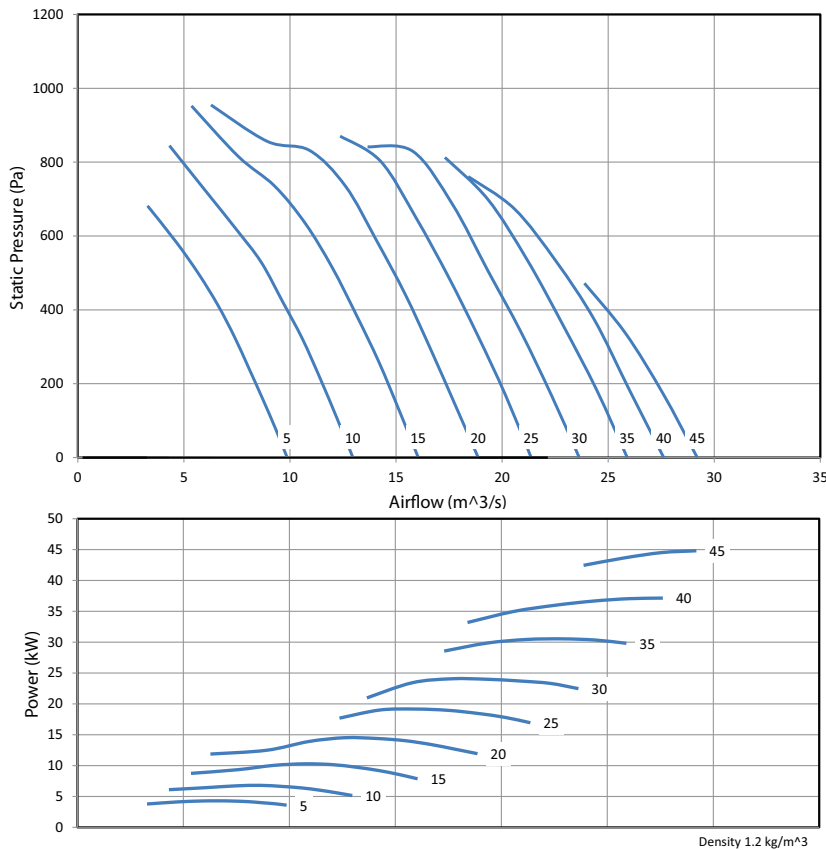


FEG 75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	4	78	86	86	86	84	84	77	65	90	78.5
	169	78	85	86	87	85	80	74	67	89	77.5
	399	83	88	87	84	79	75	72	71	85	73.5
15°	10	80	90	88	85	84	84	78	67	90	78.5
	171	82	87	86	83	81	79	75	69	87	75.5
	387	88	97	94	88	82	75	72	70	90	78.5
25°	24	83	92	90	87	84	82	77	68	90	78.5
	173	82	93	90	85	82	78	75	71	88	76.5
	392	84	88	87	84	79	74	72	72	86	74.5
35°	46	89	90	91	90	86	82	76	71	91	79.5
	167	89	89	90	89	84	78	74	71	89	77.5
	383	88	88	89	87	82	76	73	72	88	76.5
45°	43	94	93	92	92	89	83	78	73	94	82.5
	179	93	92	91	91	88	82	76	73	93	81.5
	331	93	92	92	92	88	82	76	71	93	81.5

RA-1000-500-275-6 (1770 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

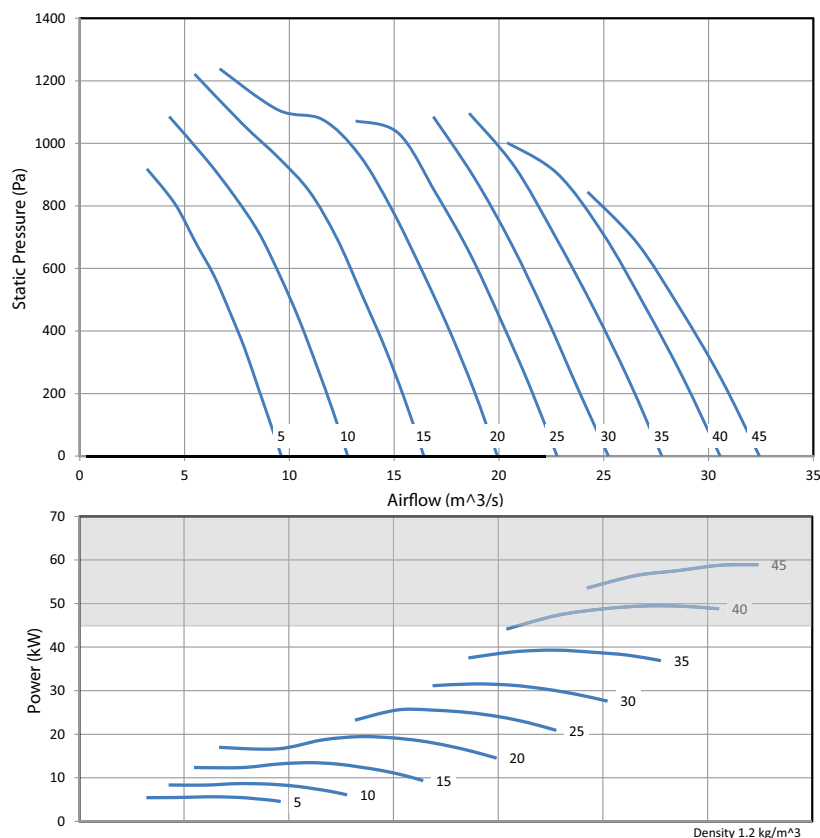


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	24	86	92	96	98	99	96	91	93	103	91.5
	419	81	88	93	103	104	98	91	88	107	95.5
	654	89	85	87	87	84	82	79	76	90	78.5
15°	59	91	95	100	102	98	94	89	90	103	91.5
	392	89	94	98	100	98	94	90	89	102	90.5
	843	93	104	107	106	102	97	93	90	107	95.5
25°	116	93	100	102	103	101	97	93	90	105	93.5
	493	91	97	100	101	100	97	94	91	105	93.5
	1037	94	91	91	92	90	88	85	82	95	83.5
35°	164	93	101	103	105	103	101	98	95	108	96.5
	498	91	99	101	103	102	101	98	95	108	96.5
	829	94	101	106	106	105	103	98	94	110	98.5
45°	177	98	103	105	106	106	104	100	97	111	99.5
	503	99	104	106	106	105	103	100	96	110	98.5
	727	106	114	111	109	107	105	100	95	112	100.5

RA-1000-500-275-9 (1770 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	27	85	86	96	100	102	100	95	94	106	94.5
	396	84	84	94	100	104	101	93	91	107	95.5
	820	92	93	105	102	99	94	89	86	104	92.5
15°	60	91	89	101	102	100	96	91	91	105	93.5
	506	86	87	102	101	100	97	93	90	105	93.5
	1004	93	96	109	108	105	100	94	90	109	97.5
25°	132	89	95	104	104	103	99	93	90	107	95.5
	498	86	91	102	103	102	98	94	90	106	94.5
	974	86	92	103	105	105	101	97	93	109	97.5
35°	169	93	99	104	106	106	103	99	95	110	98.5
	498	92	98	104	105	105	102	99	95	109	97.5
	986	93	99	104	105	105	103	99	95	109	97.5
45°	276	96	100	104	106	107	105	102	98	112	100.5
	463	95	99	103	106	107	105	101	97	111	99.5
	924	101	106	107	107	107	105	101	96	112	100.5



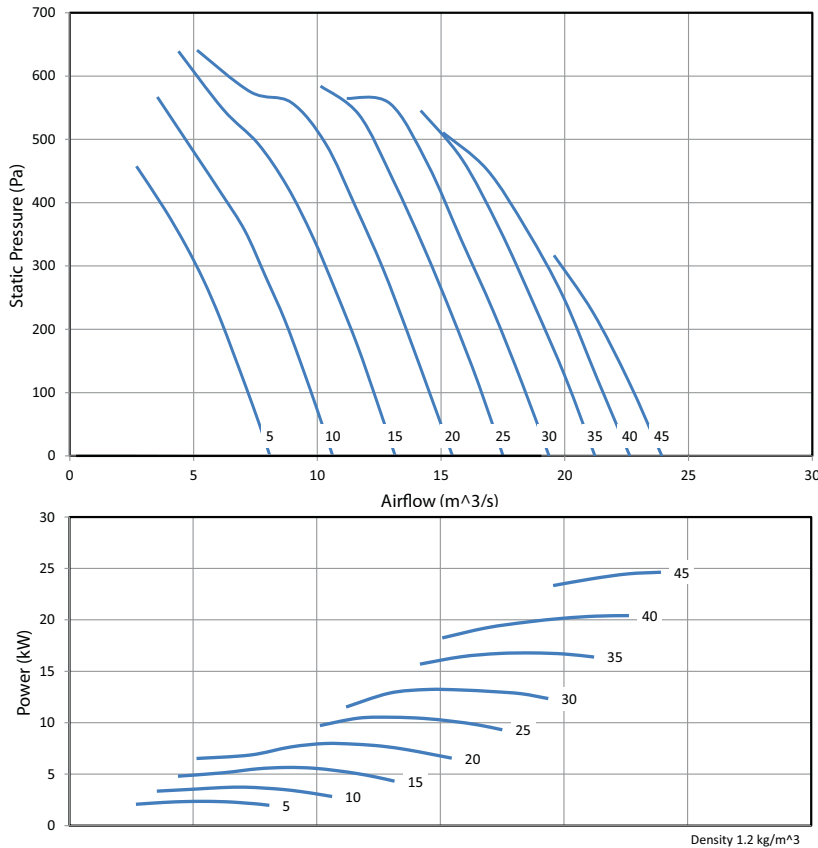
Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.



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RA-1000-500-275-6 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

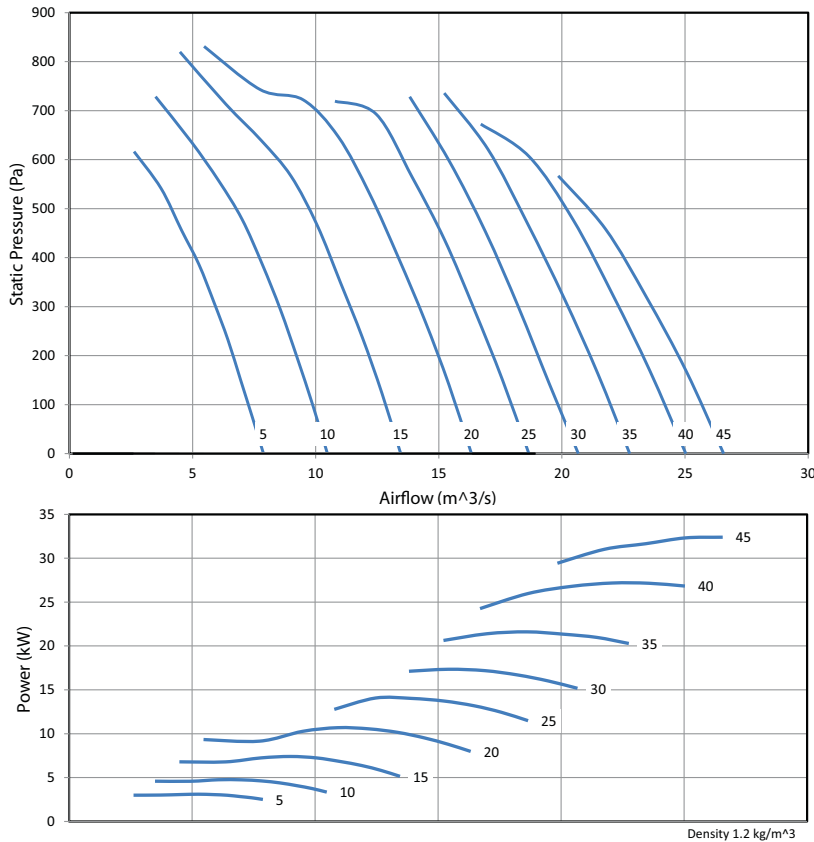


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	16	83	88	92	94	94	91	87	89	98	86.5
	281	78	85	92	99	98	92	86	83	101	89.5
	439	84	81	83	82	79	77	74	70	85	73.5
15°	40	88	92	96	97	93	88	85	86	98	86.5
	263	86	91	95	96	92	89	85	84	97	85.5
	566	91	100	103	101	96	92	87	85	102	90.5
25°	77	89	96	98	98	96	91	87	85	100	88.5
	331	86	93	96	97	95	92	88	86	100	88.5
	696	90	86	88	88	85	83	80	77	90	78.5
35°	110	91	97	99	100	98	96	93	89	103	91.5
	334	89	95	97	99	98	96	93	90	103	91.5
	557	92	98	102	102	100	97	93	89	105	93.5
45°	119	96	99	101	102	101	99	95	91	106	94.5
	338	96	100	101	102	100	98	94	91	105	93.5
	488	104	109	106	104	102	99	95	90	107	95.5

RA-1000-500-275-9 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

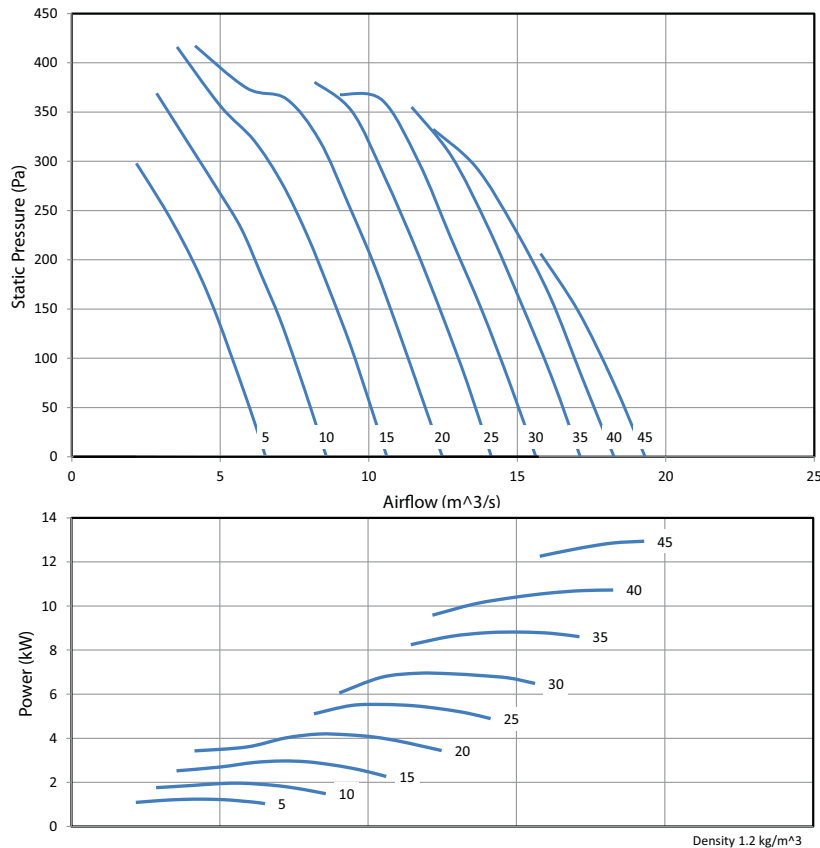


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	18	81	85	93	96	97	94	90	90	101	89.5
	266	79	82	92	97	99	94	88	86	102	90.5
	550	88	92	101	97	94	89	84	81	99	87.5
15°	40	86	89	97	97	95	91	87	87	99	87.5
	339	82	87	98	96	95	92	88	85	100	88.5
	674	90	95	105	103	99	94	88	84	104	92.5
25°	89	86	93	100	100	98	93	88	85	102	90.5
	334	84	90	98	99	97	93	88	85	101	89.5
	654	83	91	99	101	99	95	91	87	103	91.5
35°	114	91	96	100	101	101	97	93	89	105	93.5
	334	90	95	100	101	100	97	93	90	104	92.5
	662	90	96	100	101	100	97	93	90	104	92.5
45°	186	93	97	100	102	102	100	96	92	107	95.5
	311	92	96	100	102	102	100	96	92	106	94.5
	620	98	102	103	103	102	99	95	91	106	94.5

RA-1000-500-275-6 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

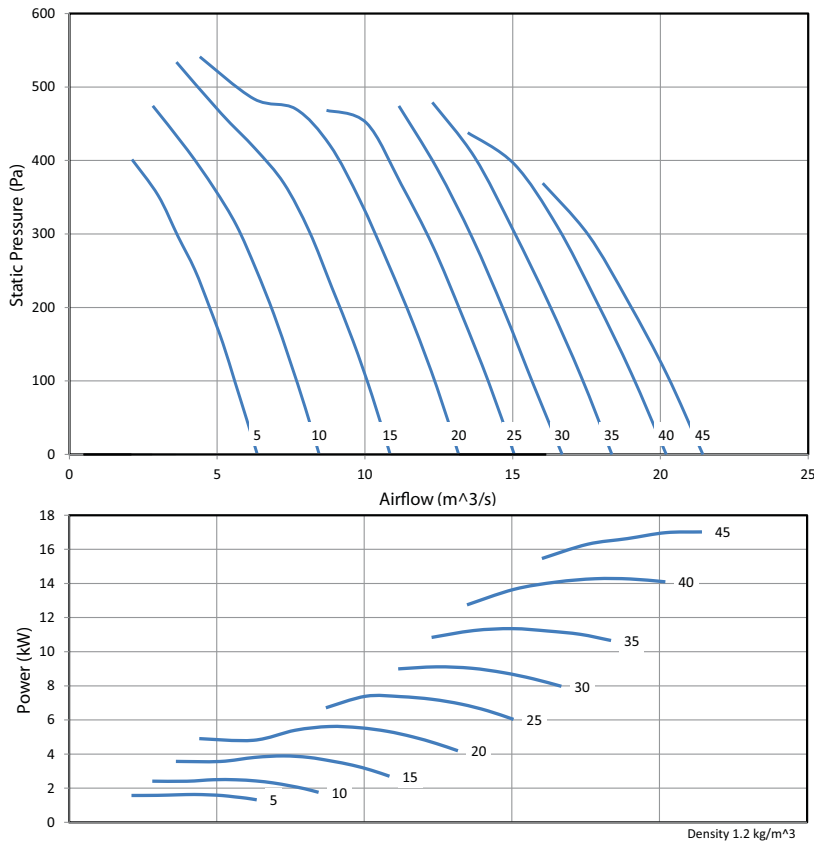


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	11	80	85	88	90	88	84	83	85	93	81.5
	183	76	82	90	95	92	85	80	78	96	84.5
	286	78	77	78	76	74	72	68	64	79	67.5
15°	26	85	89	92	91	87	82	80	82	92	80.5
	171	83	88	91	90	87	83	80	79	92	80.5
	368	90	97	98	95	90	86	82	80	96	84.5
25°	51	86	92	94	93	90	85	82	79	95	83.5
	215	83	89	92	92	89	86	83	81	94	82.5
	453	84	81	83	82	80	78	75	71	85	73.5
35°	72	89	93	95	95	93	90	87	84	98	86.5
	218	87	91	93	94	93	90	87	84	98	86.5
	362	89	95	97	97	95	91	87	83	99	87.5
45°	77	92	95	97	97	96	93	89	85	100	88.5
	220	93	96	97	97	95	92	88	85	100	88.5
	318	102	105	101	99	97	93	88	83	102	90.5

RA-1000-500-275-9 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

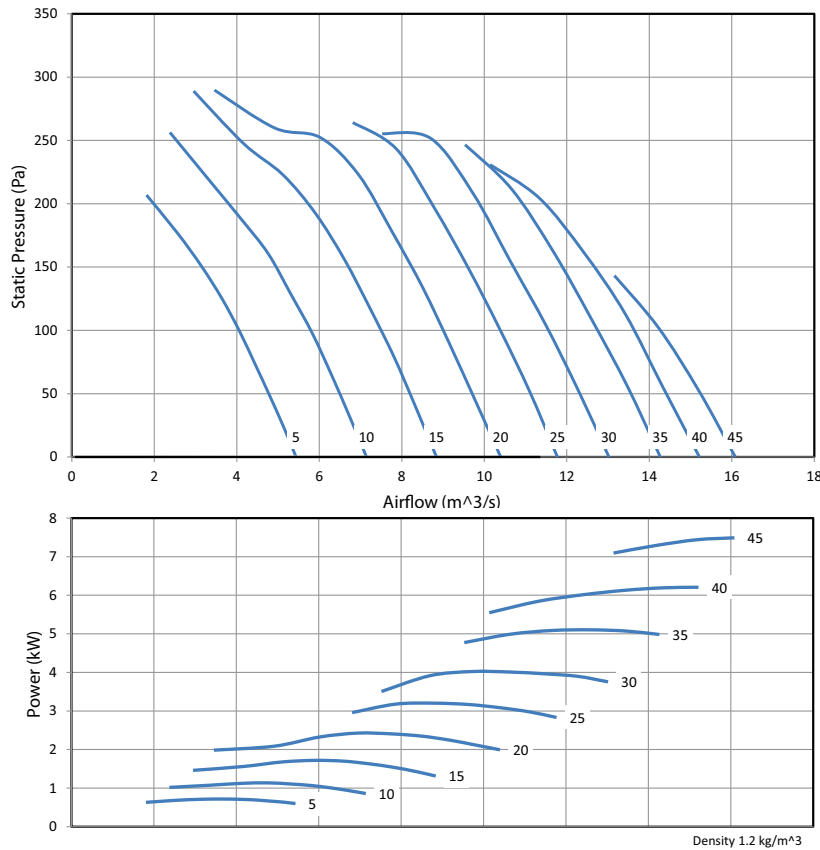


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	12	77	87	89	92	92	88	86	85	96	84.5
	173	75	85	89	93	93	87	83	80	96	84.5
	358	83	96	95	92	87	82	79	76	93	81.5
15°	26	81	92	93	92	89	84	82	83	94	82.5
	221	78	93	92	91	90	86	82	79	94	82.5
	439	86	100	99	97	93	87	82	78	98	86.5
25°	58	83	95	95	95	91	87	82	79	96	84.5
	218	80	93	94	94	91	87	83	79	96	84.5
	425	81	94	95	96	93	89	85	81	98	86.5
35°	74	88	95	96	97	95	91	87	83	99	87.5
	218	87	95	95	96	95	91	87	84	99	87.5
	431	87	95	96	96	95	91	87	84	99	87.5
45°	121	89	95	96	98	97	94	90	87	101	89.5
	203	89	94	96	98	97	94	90	86	101	89.5
	404	95	98	98	98	97	93	89	84	101	89.5

RA-1000-500-275-6 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

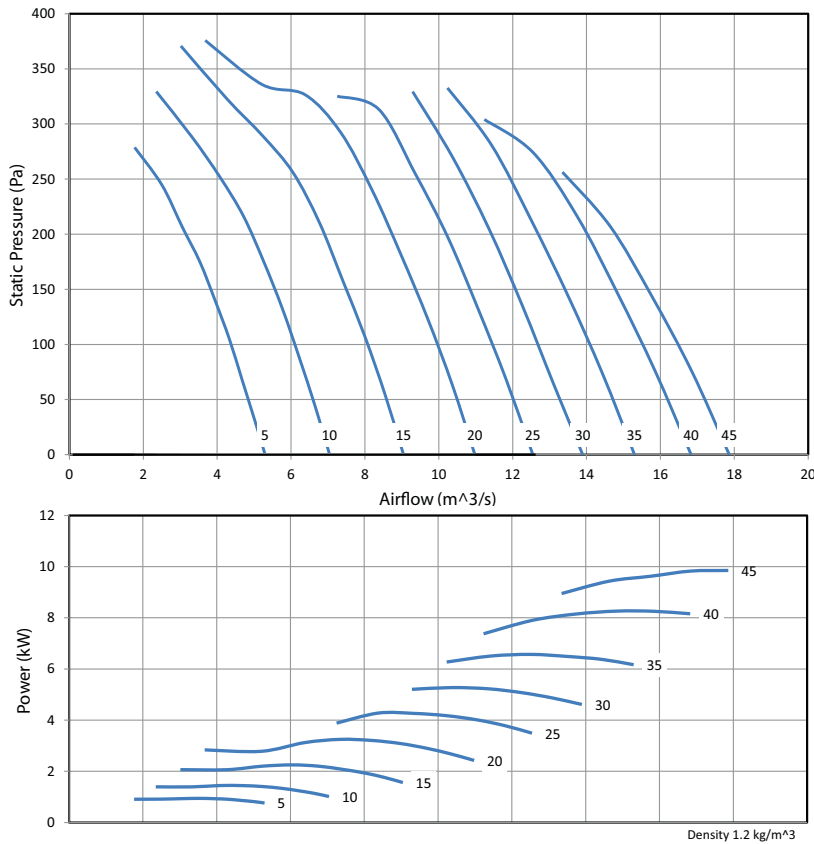


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	7	78	82	85	86	84	79	80	81	89	77.5
	127	74	80	89	91	86	79	76	73	91	79.5
	198	73	74	74	72	70	67	63	59	75	63.5
15°	18	82	86	89	86	81	77	77	78	88	76.5
	119	80	85	87	85	82	78	76	75	87	75.5
	256	89	94	93	90	85	80	77	75	91	79.5
25°	35	84	88	90	88	85	80	77	75	90	78.5
	150	81	86	88	87	85	81	78	77	90	78.5
	314	79	78	79	78	75	73	70	66	81	69.5
35°	50	87	89	91	91	89	86	82	79	94	82.5
	151	85	88	90	90	89	85	82	79	93	81.5
	252	88	93	93	92	90	86	82	78	95	83.5
45°	54	90	92	93	93	91	88	84	80	96	84.5
	153	91	92	93	92	91	87	84	80	95	83.5
	221	100	101	96	95	92	88	83	78	97	85.5

RA-1000-500-275-9 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

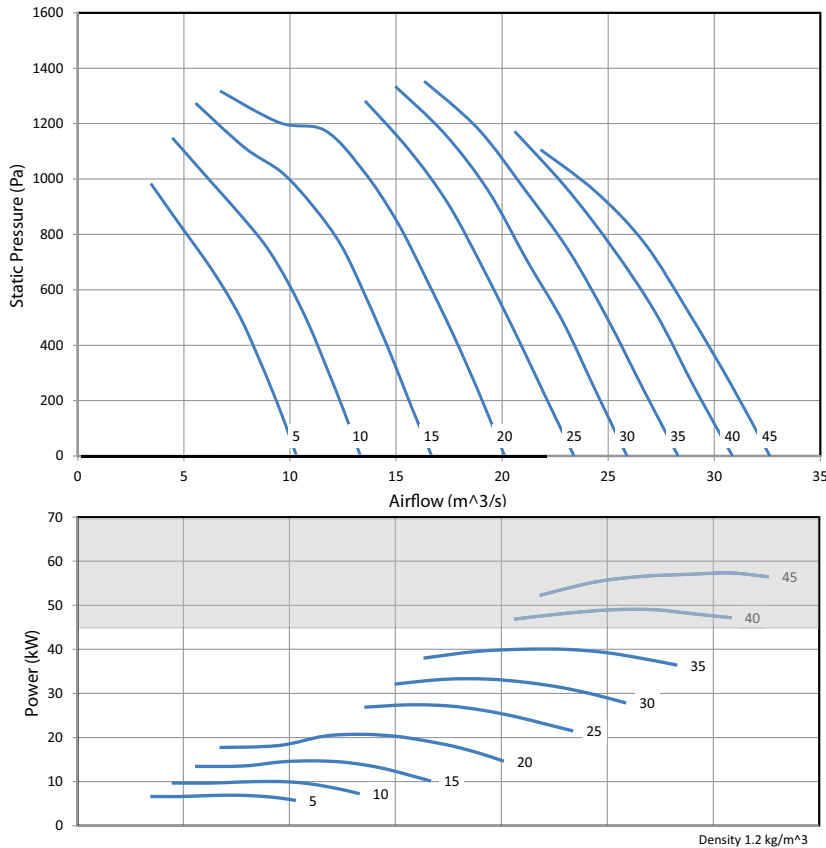


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	8	73	84	86	88	87	83	82	81	92	80.5
	120	71	82	86	90	88	81	78	76	92	80.5
	249	80	93	90	87	82	77	74	71	88	76.5
15°	18	77	89	89	88	84	79	78	79	90	78.5
	153	74	89	88	87	85	80	77	75	90	78.5
	305	83	96	95	92	87	82	77	73	93	81.5
25°	40	81	91	91	90	86	81	78	74	92	80.5
	151	78	89	90	89	86	81	78	74	91	79.5
	295	78	90	92	92	89	84	80	76	93	81.5
35°	51	86	91	93	93	90	86	82	78	95	83.5
	151	84	91	92	92	90	86	83	79	94	82.5
	299	85	91	92	92	90	86	83	79	95	83.5
45°	84	86	91	93	94	93	89	85	82	97	85.5
	140	86	90	93	94	92	89	85	81	97	85.5
	280	92	95	94	94	92	89	84	79	97	85.5

RA-1000-500-400-6 (1770 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	30	86	94	98	103	103	99	100	92	108	96.5
	503	85	92	98	105	106	98	96	88	109	97.5
	996	89	101	102	102	97	92	90	88	103	91.5
15°	75	88	96	101	103	101	97	99	91	106	94.5
	643	87	93	99	101	99	94	93	89	103	91.5
	1158	95	108	107	106	101	95	91	90	107	95.5
25°	132	91	101	103	105	102	97	96	89	107	95.5
	735	90	99	101	103	100	94	92	89	104	92.5
	1240	94	99	103	105	101	96	93	92	106	94.5
35°	194	95	105	104	107	105	100	96	92	109	97.5
	785	94	103	104	106	103	100	95	93	108	96.5
	1218	96	103	105	107	103	99	96	93	108	96.5
45°	267	101	105	107	107	107	104	99	95	111	99.5
	785	99	103	106	107	106	103	99	95	110	98.5
	1178	104	109	112	108	106	103	99	93	111	99.5



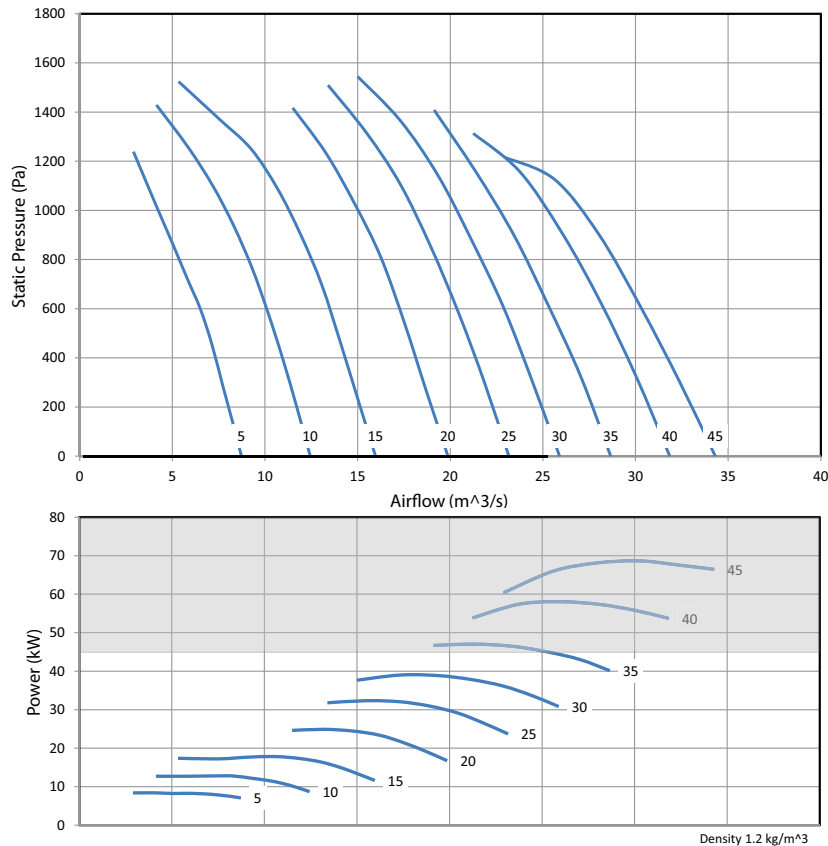
Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.



FEG 80

RA-1000-500-400-9 (1770 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

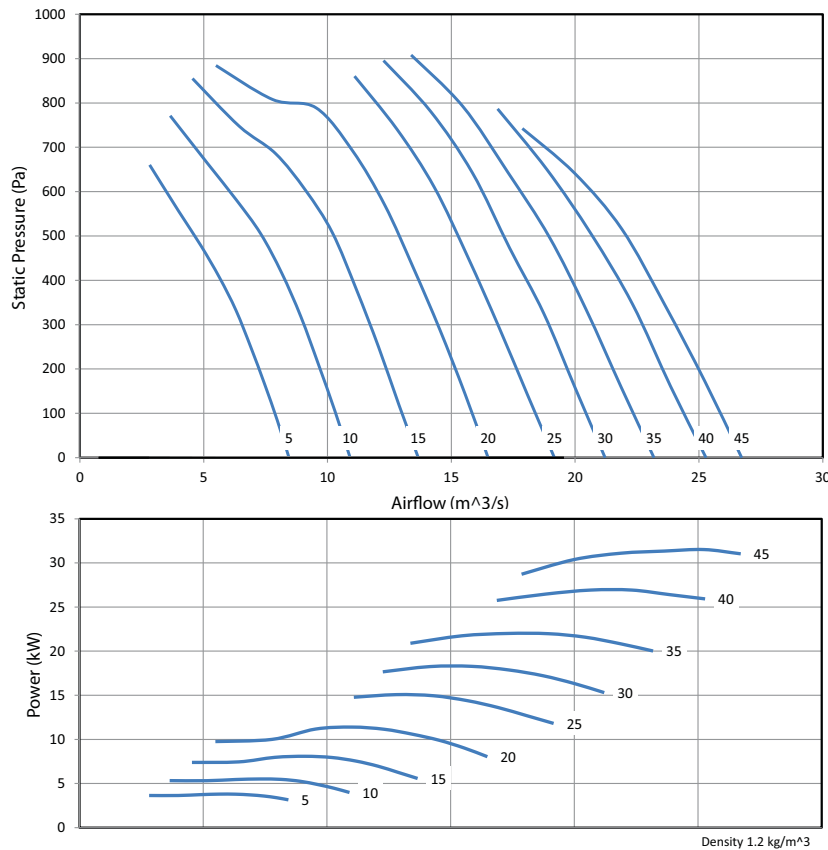


FEG 75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	20	90	93	99	104	104	100	102	92	109	97.5
	648	91	94	102	105	105	97	96	87	108	96.5
	1320	97	100	103	103	98	95	91	88	104	92.5
15°	72	91	98	102	106	102	99	101	91	108	96.5
	760	92	98	102	105	101	97	96	89	106	94.5
	1153	93	99	104	110	106	99	93	88	110	98.5
25°	142	95	100	105	109	103	99	99	91	109	97.5
	737	94	97	103	107	101	96	94	88	107	95.5
	1435	95	101	104	108	104	100	95	90	109	97.5
35°	182	99	103	105	107	106	101	97	91	110	98.5
	513	97	102	104	106	106	101	96	91	109	97.5
	1268	97	104	105	106	104	100	96	91	108	96.5
45°	252	97	100	107	109	108	104	100	94	112	100.5
	620	96	100	106	108	108	104	99	95	111	99.5
	1263	102	105	111	111	108	104	100	94	113	101.5

RA-1000-500-400-6 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

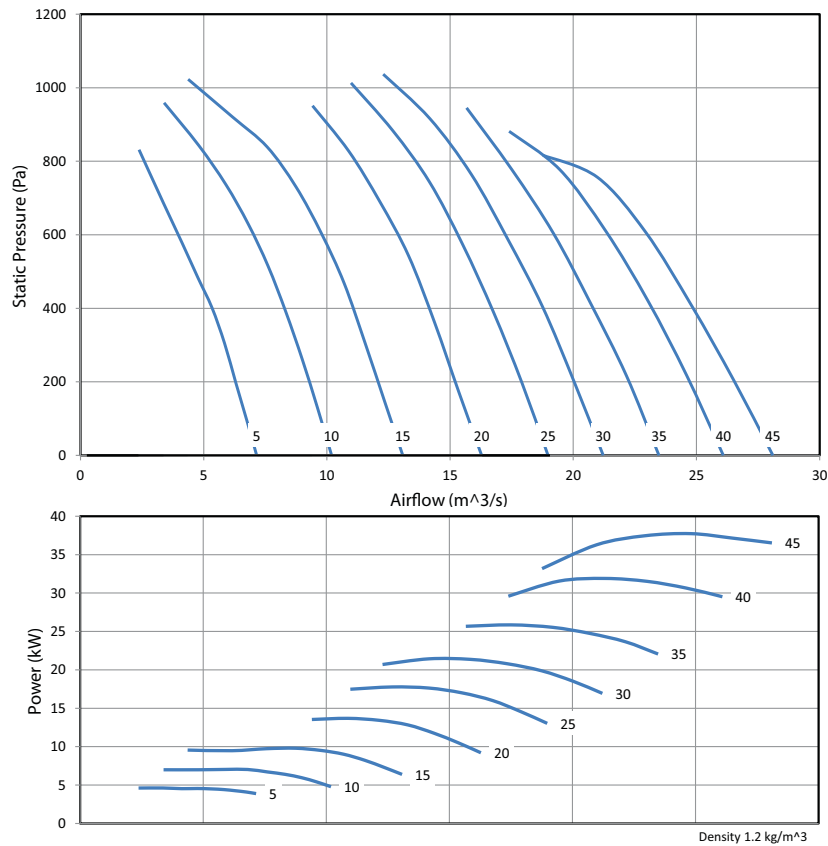


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	20	84	91	95	99	98	95	93	85	102	90.5
	338	83	90	96	101	100	93	89	81	103	91.5
	669	88	97	98	96	91	87	85	83	98	86.5
15°	50	86	93	97	98	95	93	92	84	101	89.5
	431	84	91	95	96	93	90	88	84	98	86.5
	777	95	104	103	101	95	89	86	85	101	89.5
25°	89	90	97	99	100	96	92	89	83	101	89.5
	493	88	95	97	98	94	89	87	84	99	87.5
	832	91	96	99	100	95	91	89	87	101	89.5
35°	130	93	101	100	102	99	95	90	87	104	92.5
	527	92	99	100	101	98	94	90	88	103	91.5
	818	94	99	101	101	97	94	91	88	103	91.5
45°	179	98	101	103	103	101	98	94	90	106	94.5
	527	96	100	102	102	101	98	93	89	105	93.5
	791	101	106	107	103	101	97	93	87	106	94.5

RA-1000-500-400-9 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

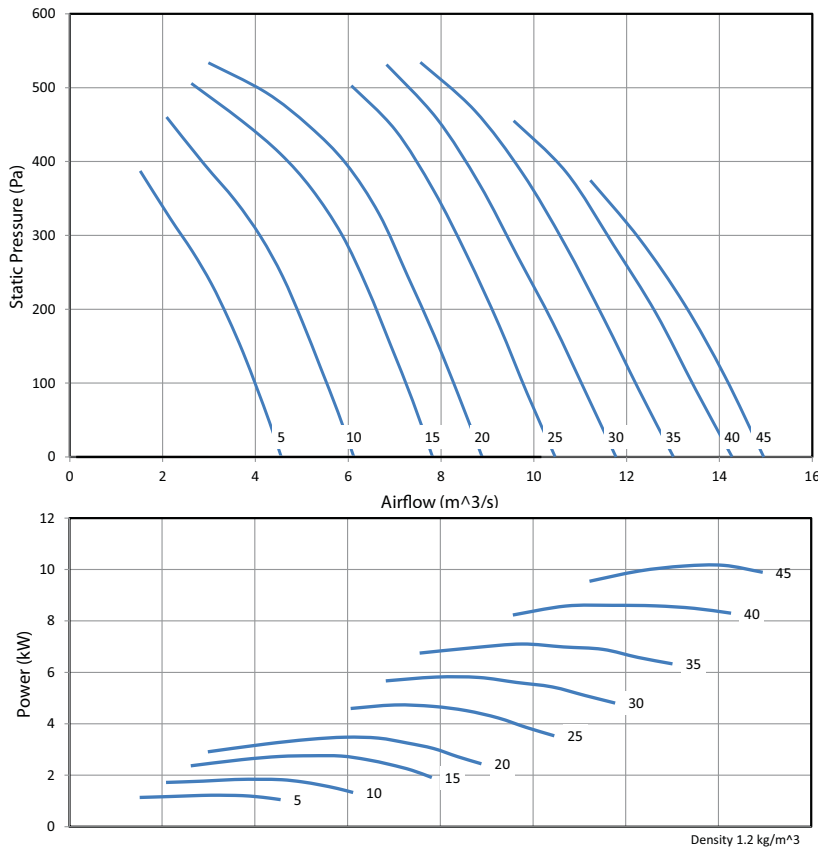


FEG 75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	13	86	90	96	99	99	96	94	85	103	91.5
	435	88	92	99	101	98	92	89	80	102	90.5
	886	93	96	99	97	93	89	85	83	99	87.5
15°	49	89	95	99	100	97	95	93	84	103	91.5
	510	89	95	99	100	96	93	90	83	101	89.5
	774	90	96	102	105	99	93	87	82	105	93.5
25°	95	92	97	102	103	98	95	92	84	104	92.5
	495	90	95	100	101	95	91	88	82	101	89.5
	963	93	98	101	103	98	94	89	84	103	91.5
35°	122	96	100	102	103	100	96	91	85	105	93.5
	344	94	98	101	102	100	95	90	85	104	92.5
	851	95	100	101	101	98	94	90	85	103	91.5
45°	169	94	98	103	104	103	98	94	89	107	95.5
	416	93	97	102	103	102	98	94	89	106	94.5
	847	98	103	107	106	102	99	94	88	108	96.5

RA-1000-500-400-6 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

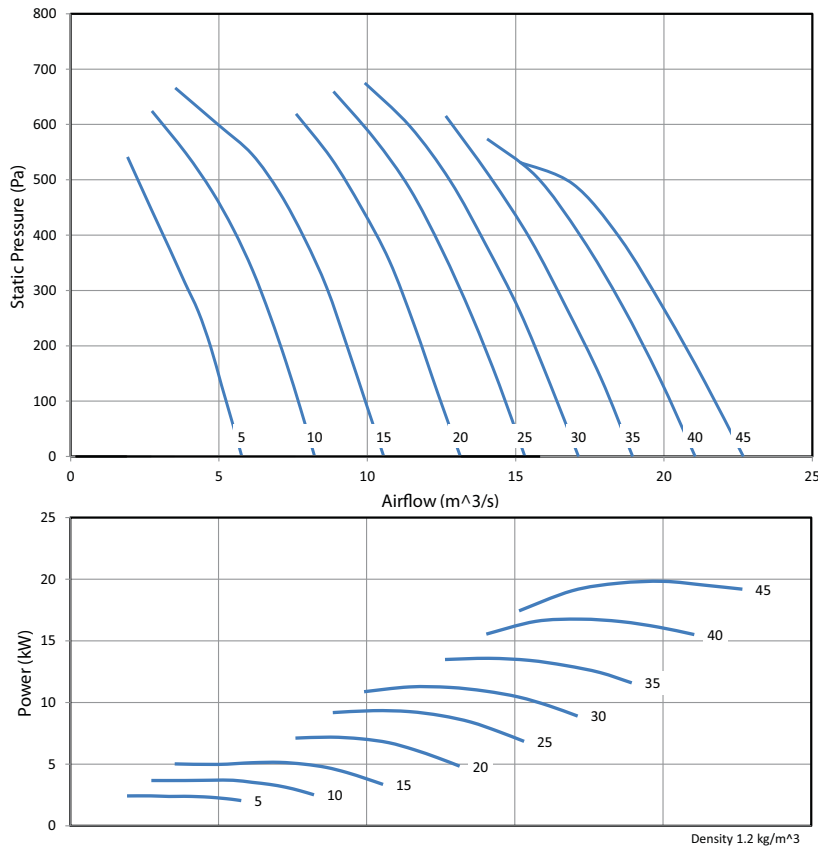


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	13	82	88	92	94	92	91	86	77	97	85.5
	220	81	87	93	97	93	88	82	74	97	85.5
	435	87	93	93	90	85	81	80	78	92	80.5
15°	33	83	90	93	93	89	89	85	77	95	83.5
	281	82	88	91	91	87	85	82	78	93	81.5
	506	94	99	98	94	89	84	81	80	96	84.5
25°	58	88	93	95	94	90	87	83	77	96	84.5
	321	86	91	93	92	88	84	81	78	94	82.5
	542	88	92	95	94	89	86	83	82	95	83.5
35°	85	92	96	97	97	93	89	85	81	98	86.5
	343	91	94	96	95	92	88	85	82	97	85.5
	532	91	95	97	95	92	89	85	82	97	85.5
45°	117	94	97	98	98	96	92	88	84	100	88.5
	343	93	96	98	97	95	92	88	84	100	88.5
	515	98	102	101	98	95	91	86	80	100	88.5

RA-1000-500-400-9 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

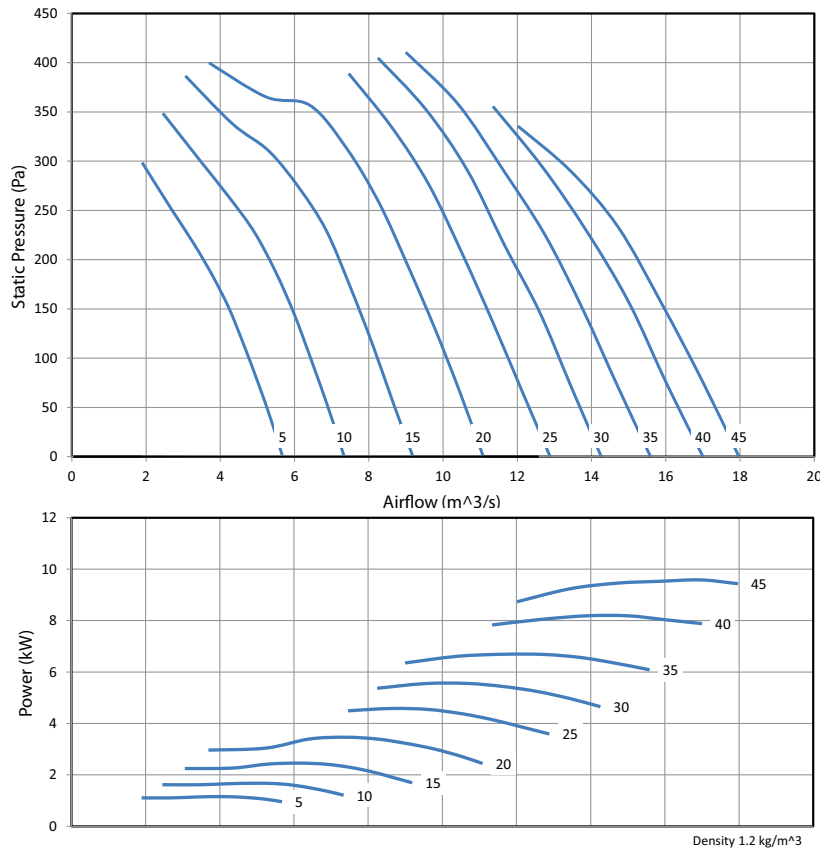


FEG 75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	9	83	90	93	95	93	92	87	77	98	86.5
	283	84	93	95	96	91	88	82	73	97	85.5
	577	89	94	94	91	87	83	80	77	93	81.5
15°	32	86	93	95	95	91	91	86	76	97	85.5
	332	86	93	95	94	90	88	83	77	96	84.5
	504	88	95	99	99	93	87	81	76	99	87.5
25°	62	89	96	98	97	92	90	85	77	98	86.5
	322	87	94	97	94	89	86	82	76	96	84.5
	627	90	95	97	97	92	88	83	78	98	86.5
35°	79	93	96	97	98	94	90	84	78	99	87.5
	224	91	95	96	97	94	89	84	79	98	86.5
	554	92	96	96	96	93	88	84	79	97	85.5
45°	110	90	98	99	99	97	92	88	82	101	89.5
	271	89	97	98	99	96	92	87	83	101	89.5
	552	95	102	102	100	97	93	87	82	102	90.5

RA-1000-500-400-6 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

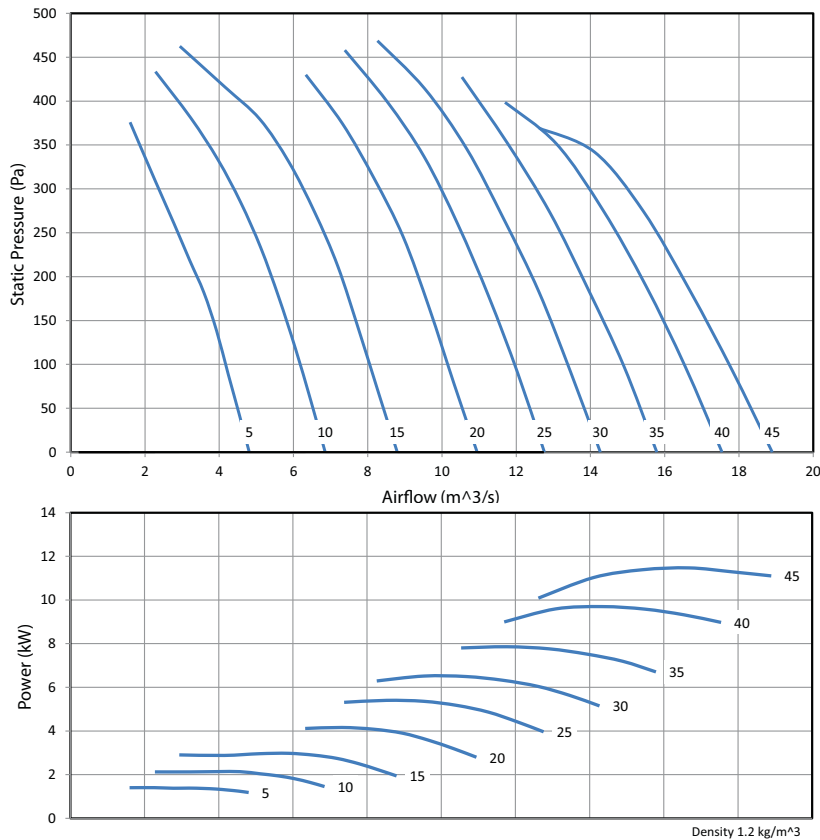


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	9	80	85	89	90	86	87	80	71	93	81.5
	153	79	85	91	93	87	83	76	67	93	81.5
	302	86	89	89	85	80	77	75	74	87	75.5
15°	23	82	87	90	88	84	85	79	71	91	79.5
	195	80	85	88	86	82	80	77	73	88	76.5
	351	93	95	94	89	83	79	77	76	91	79.5
25°	40	86	90	92	90	84	83	77	71	91	79.5
	223	84	88	90	87	82	79	76	73	89	77.5
	376	86	89	92	88	84	81	79	77	90	78.5
35°	59	91	92	93	92	88	83	80	76	93	81.5
	238	89	91	93	91	87	83	80	77	93	81.5
	370	89	92	94	90	87	84	81	78	93	81.5
45°	81	92	94	94	94	91	87	83	79	96	84.5
	238	90	93	94	93	91	87	83	79	95	83.5
	357	96	99	96	93	90	86	81	75	95	83.5

RA-1000-500-400-9 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).



Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

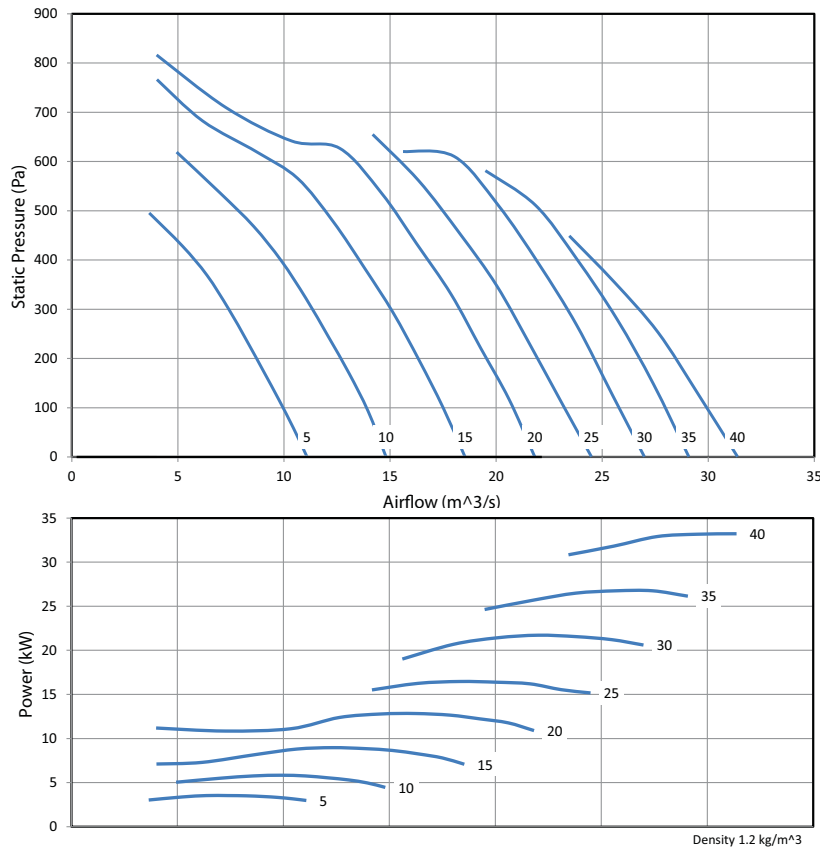


FEG 75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	6	80	86	90	91	88	88	80	70	94	82.5
	197	81	89	92	92	85	83	76	67	92	80.5
	401	86	90	90	86	82	78	75	72	88	76.5
15°	22	84	89	92	90	86	87	79	69	93	81.5
	230	84	89	92	89	85	83	77	71	91	79.5
	350	85	91	97	93	87	81	76	70	94	82.5
25°	43	86	92	95	91	87	86	79	71	94	82.5
	224	84	90	93	89	84	81	76	71	91	79.5
	435	87	91	95	92	87	82	78	73	93	81.5
35°	55	90	93	94	93	89	85	79	73	94	82.5
	156	88	92	93	93	89	84	79	73	94	82.5
	385	90	92	93	91	88	83	79	74	93	81.5
45°	76	87	94	95	95	92	87	82	77	97	85.5
	188	86	93	95	95	91	87	82	78	96	84.5
	383	92	98	98	95	92	87	82	76	97	85.5

RA-1120-500-275-6 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

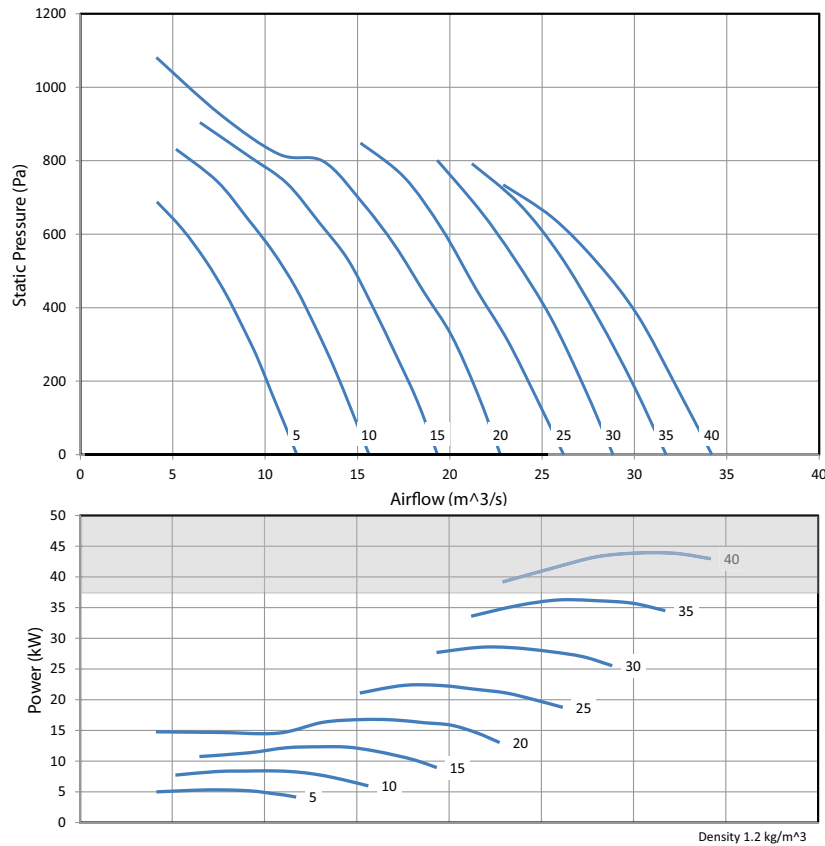


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	22	87	90	91	93	95	94	89	86	99	87.5
	270	89	96	99	102	100	95	89	82	104	92.5
	529	93	95	93	91	91	91	89	85	97	85.5
15°	72	91	98	96	94	93	91	87	85	98	86.5
	342	92	95	98	103	103	100	94	88	107	95.5
	650	101	101	99	97	96	94	91	86	101	89.5
25°	127	100	100	99	97	96	93	91	89	101	89.5
	369	101	100	97	97	97	96	94	91	102	90.5
	617	114	110	104	101	99	97	92	87	105	93.5
35°	105	102	104	101	99	98	97	97	94	104	92.5
	281	102	103	101	99	99	98	97	94	105	93.5
	578	105	108	106	104	103	100	98	94	108	96.5
40°	138	102	104	102	101	101	99	98	95	106	94.5
	286	104	105	103	101	101	99	98	94	106	94.5
	540	114	114	110	105	104	101	98	93	110	98.5

RA-1120-500-275-9 (1450 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

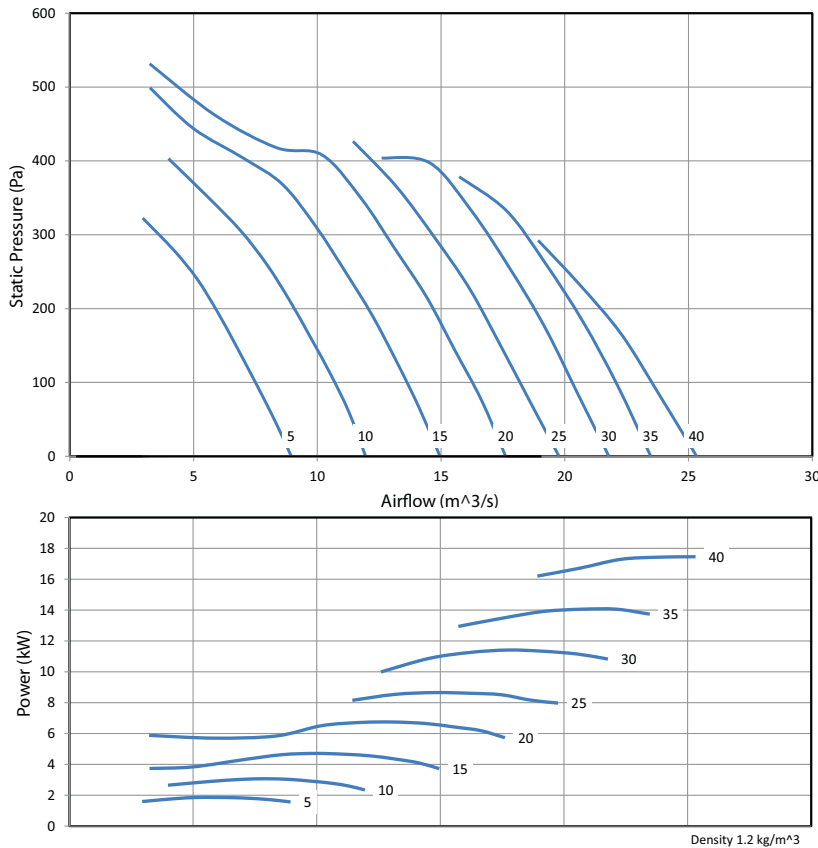


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	94	93	90	91	98	101	98	92	87	104	92.5
	347	94	97	102	102	100	95	90	83	104	92.5
	661	99	96	93	93	92	92	89	85	98	86.5
15°	72	90	91	95	97	96	94	91	88	101	89.5
	270	88	90	95	99	101	100	95	89	105	93.5
	601	95	99	107	108	104	99	93	87	109	97.5
25°	138	101	100	99	99	97	95	91	88	102	90.5
	413	91	93	97	99	100	98	95	91	104	92.5
	672	103	106	111	110	106	102	96	90	111	99.5
35°	215	99	100	101	101	100	98	96	93	105	93.5
	424	97	98	100	100	100	99	97	93	105	93.5
	667	98	99	102	102	102	101	98	93	107	95.5
40°	138	103	103	103	101	101	100	97	94	106	94.5
	275	101	101	101	101	102	100	98	94	107	95.5
	617	102	102	102	102	103	101	98	93	107	95.5

RA-1120-500-275-6 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

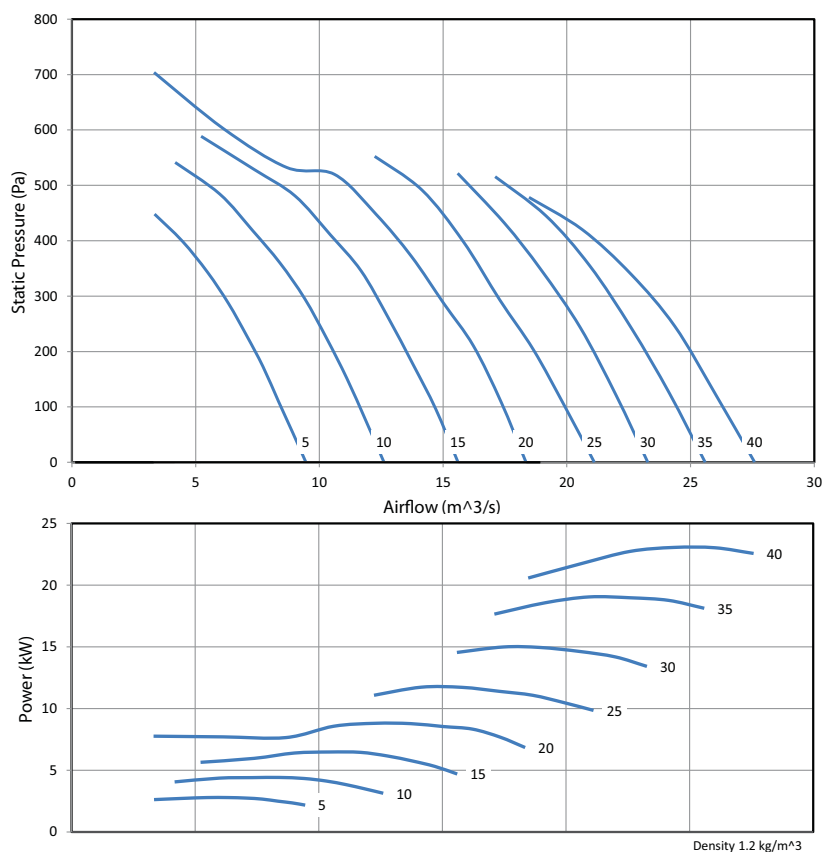


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	14	83	85	86	89	91	87	84	80	94	82.5
	176	85	92	97	97	94	89	82	76	98	86.5
	344	88	91	87	86	87	86	83	79	92	80.5
15°	47	86	93	91	89	88	85	82	79	93	81.5
	223	87	90	96	99	98	93	87	81	101	89.5
	423	97	96	94	92	91	89	84	81	96	84.5
25°	82	96	95	94	92	90	88	86	83	96	84.5
	240	97	94	93	93	92	91	88	86	97	85.5
	402	109	103	98	96	94	91	85	81	99	87.5
35°	68	97	99	95	94	93	92	92	88	99	87.5
	183	98	98	95	95	94	93	92	88	100	88.5
	377	100	103	100	99	97	94	92	87	102	90.5
40°	90	98	99	96	97	96	94	93	88	101	89.5
	187	99	101	97	97	96	94	93	88	101	89.5
	351	109	110	103	101	99	96	93	86	104	92.5

RA-1120-500-275-9 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).



Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

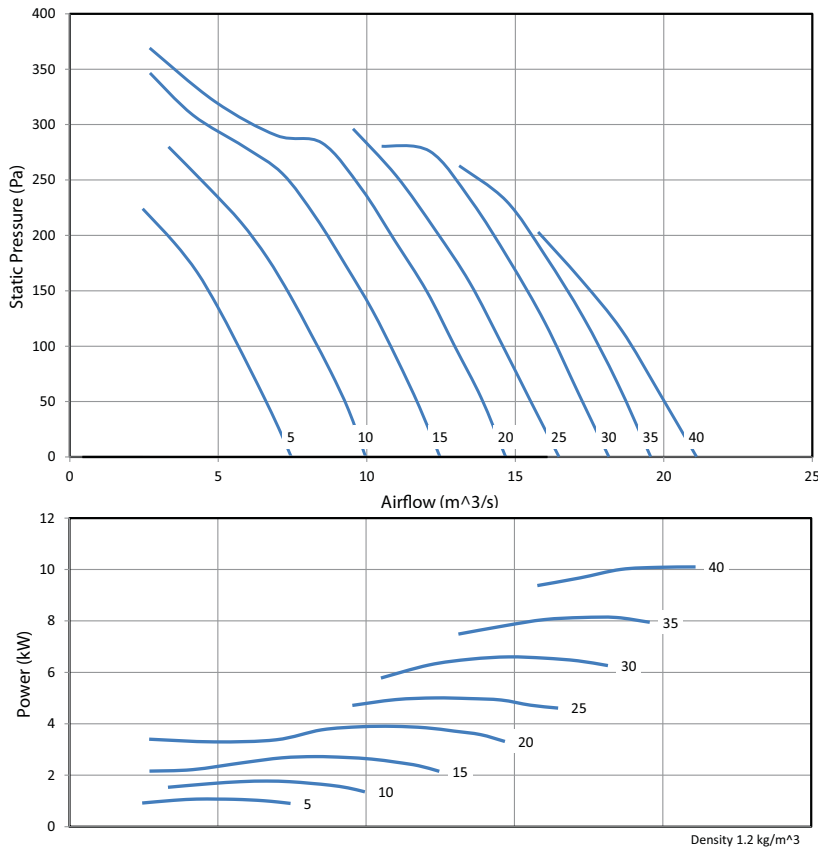


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	61	88	84	89	95	96	92	86	81	99	87.5
	226	90	95	98	97	94	89	83	76	99	87.5
	431	94	89	89	87	88	87	83	78	93	81.5
15°	47	85	88	92	92	91	88	85	83	96	84.5
	176	83	87	92	95	96	94	89	83	100	88.5
	391	91	100	103	102	98	93	87	81	103	91.5
25°	90	97	94	95	94	92	89	86	82	97	85.5
	269	86	91	94	95	95	92	89	85	99	87.5
	438	99	106	106	104	101	95	89	84	106	94.5
35°	140	94	96	96	96	95	93	90	87	100	88.5
	276	92	96	95	96	95	94	91	87	100	88.5
	434	93	97	97	98	97	95	91	88	102	90.5
40°	90	99	99	96	97	96	95	92	88	101	89.5
	179	97	96	95	97	97	95	92	88	102	90.5
	402	97	98	97	98	98	96	92	87	102	90.5

RA-1120-500-275-6 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

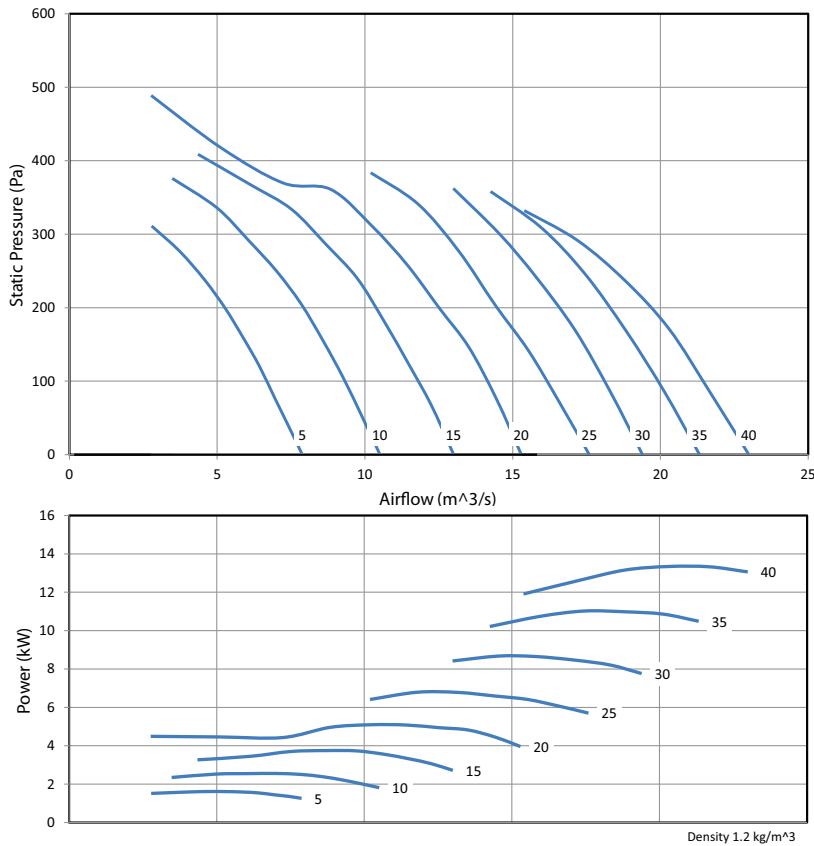


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	10	79	81	83	86	87	82	79	75	90	78.5
	122	81	88	94	93	89	83	77	70	94	82.5
	239	84	87	82	82	83	82	79	74	88	76.5
15°	32	82	89	86	85	84	80	77	74	88	76.5
	154	83	86	94	95	93	88	82	76	97	85.5
	294	93	92	89	88	87	85	79	77	92	80.5
25°	57	92	91	89	88	86	83	82	79	91	79.5
	167	93	89	89	89	88	86	84	81	93	81.5
	279	105	97	93	92	90	85	80	76	94	82.5
35°	47	93	95	90	91	88	88	88	83	95	83.5
	127	94	94	90	91	90	89	88	82	96	84.5
	262	96	99	95	95	92	90	88	81	98	86.5
40°	62	94	95	91	94	91	90	89	83	97	85.5
	130	95	97	92	93	92	89	88	82	97	85.5
	244	105	106	97	97	94	91	88	81	100	88.5

RA-1120-500-275-9 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

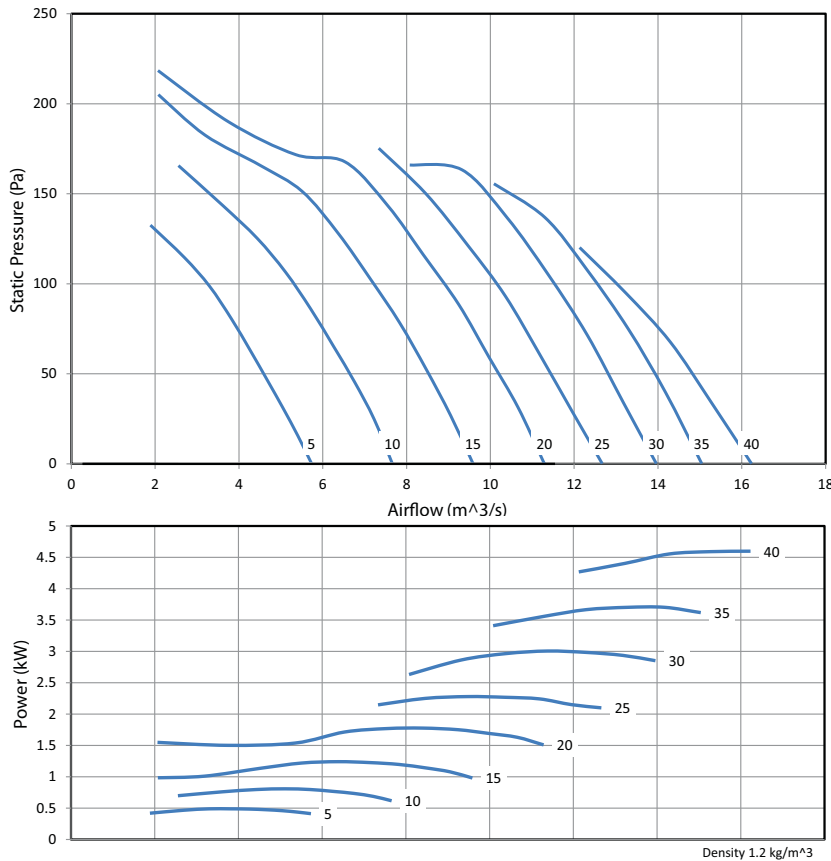


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	42	84	78	88	91	93	86	81	75	95	83.5
	157	86	91	95	92	89	84	77	71	94	82.5
	299	90	84	85	83	84	82	79	73	89	77.5
15°	32	81	84	89	87	87	83	81	78	91	79.5
	122	79	83	90	91	93	90	83	77	96	84.5
	272	87	96	100	97	93	87	81	76	98	86.5
25°	62	93	89	91	89	88	84	82	77	93	81.5
	187	82	87	90	91	90	88	85	80	95	83.5
	304	95	102	102	99	96	90	83	79	101	89.5
35°	97	90	92	91	93	90	89	86	82	96	84.5
	192	88	92	91	92	90	89	86	82	96	84.5
	301	89	93	93	94	93	91	86	83	98	86.5
40°	62	95	95	91	93	92	90	87	83	97	85.5
	125	93	92	91	93	93	91	87	83	97	85.5
	279	93	94	92	94	94	91	86	82	98	86.5

RA-1120-500-275-6 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

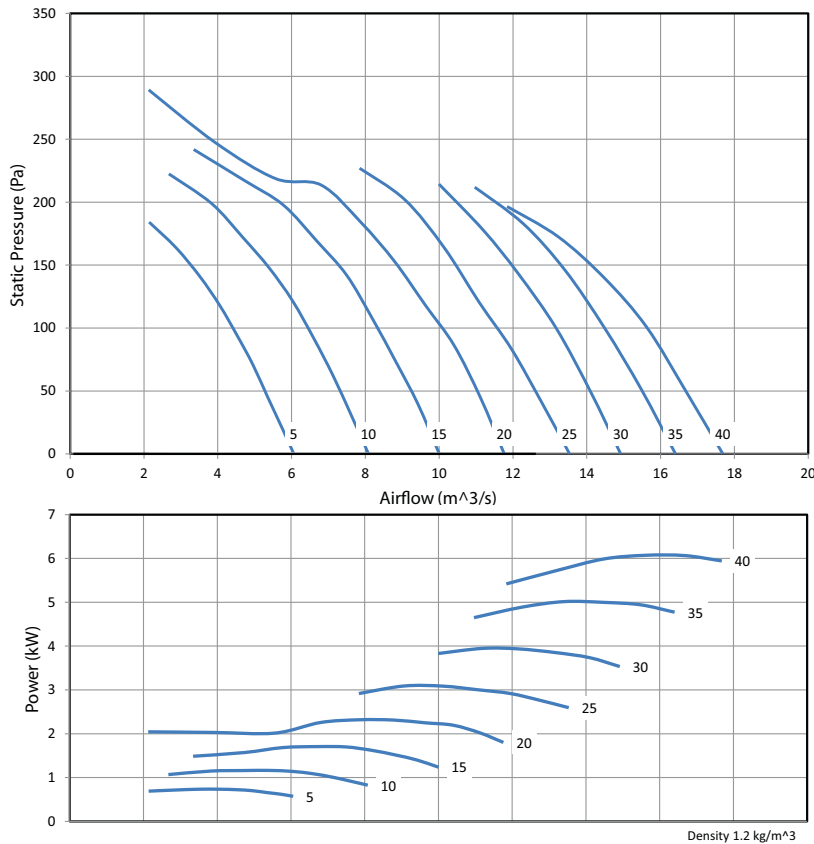


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Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	6	75	76	79	81	79	75	72	68	84	72.5
	72	82	85	88	86	81	75	68	62	87	75.5
	142	81	79	76	77	77	75	71	66	82	70.5
15°	15	79	78	79	79	78	74	72	68	82	70.5
	71	80	80	87	87	85	78	72	65	89	77.5
	155	87	82	80	79	79	76	72	70	83	71.5
25°	34	86	85	83	81	79	77	75	72	85	73.5
	99	85	83	83	83	81	80	77	74	87	75.5
	165	96	90	87	85	83	78	73	68	87	75.5
35°	28	90	87	84	84	83	83	80	75	89	77.5
	75	89	87	85	85	84	83	80	74	89	77.5
	155	93	92	89	88	86	83	80	73	91	79.5
40°	37	90	88	86	87	85	84	81	75	90	78.5
	77	91	89	87	87	85	83	80	74	90	78.5
	144	100	97	91	90	87	84	79	72	92	80.5

RA-1120-500-275-9 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

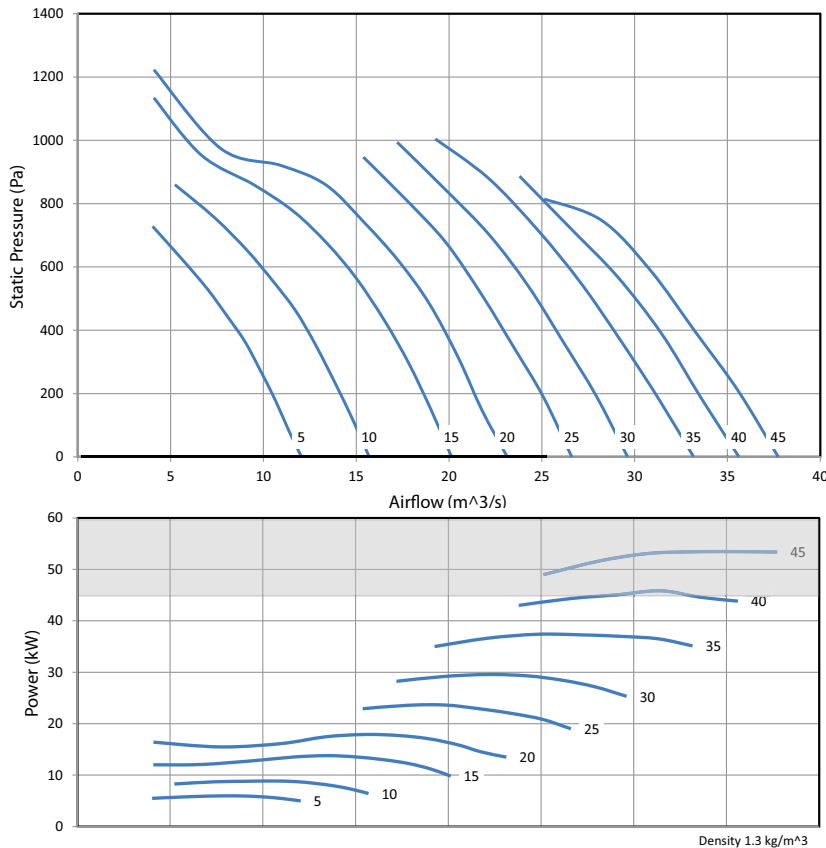


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Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	25	76	76	84	86	84	78	73	67	88	76.5
	93	82	87	88	85	81	76	69	62	87	75.5
	148	84	81	80	79	78	74	69	63	82	70.5
15°	19	77	80	83	81	80	76	74	71	85	73.5
	72	75	80	85	86	86	81	75	69	89	77.5
	161	85	92	94	90	85	79	73	68	91	79.5
25°	37	85	84	85	83	81	77	74	70	86	74.5
	111	79	83	85	85	84	81	77	73	88	76.5
	180	92	96	96	92	88	82	76	72	94	82.5
35°	58	85	87	86	86	84	82	79	75	89	77.5
	114	84	86	85	86	84	82	79	75	89	77.5
	178	85	87	88	88	86	83	79	76	91	79.5
40°	37	89	89	86	87	86	83	80	76	90	78.5
	74	87	87	86	87	86	83	80	76	91	79.5
	165	88	88	87	89	87	83	79	75	91	79.5

RA-1120-500-400-6 (1450 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

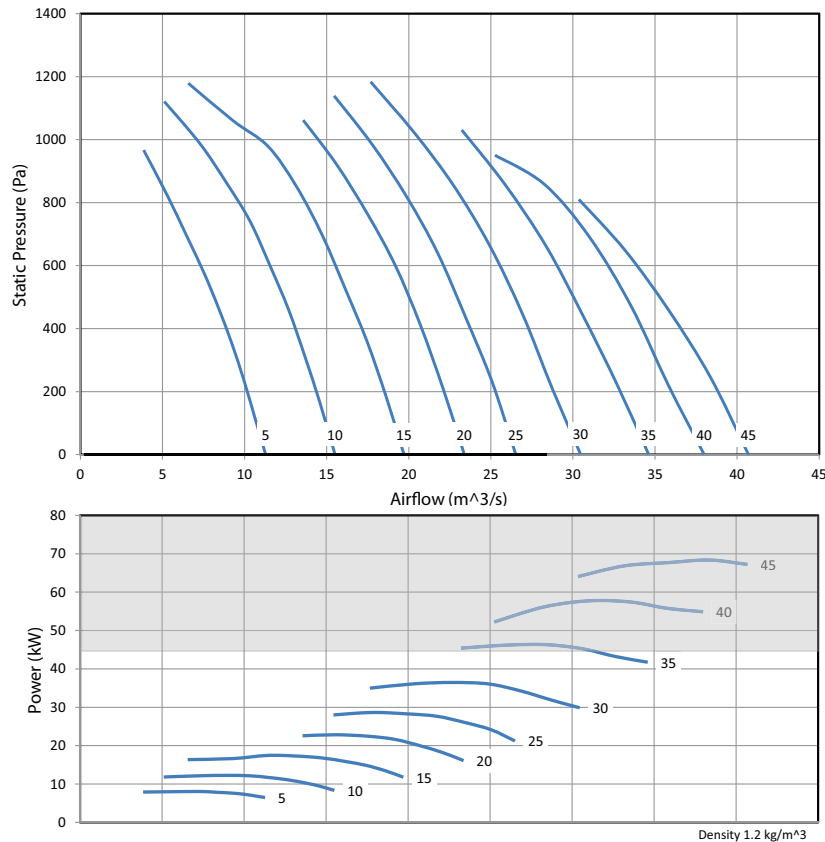


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Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	28	94	94	97	101	101	99	94	87	105	93.5
	270	95	100	103	106	102	96	91	82	106	94.5
	590	98	101	99	96	94	92	88	81	99	87.5
15°	44	90	100	99	98	97	97	95	87	103	91.5
	424	91	99	100	103	103	100	93	86	107	95.5
	788	106	105	103	100	98	95	90	86	103	91.5
25°	81	95	102	100	98	97	96	94	88	103	91.5
	418	97	100	99	98	97	95	92	87	102	90.5
	905	111	109	105	103	101	98	93	88	106	94.5
35°	140	106	106	100	101	102	99	95	91	106	94.5
	438	104	104	99	101	101	100	95	92	106	94.5
	894	105	105	103	102	102	101	96	92	107	95.5
45°	157	108	108	106	104	104	103	98	94	109	97.5
	444	107	107	105	103	104	103	98	94	109	97.5
	816	108	108	106	104	103	101	97	91	108	96.5

RA-1120-500-400-9 (1450 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

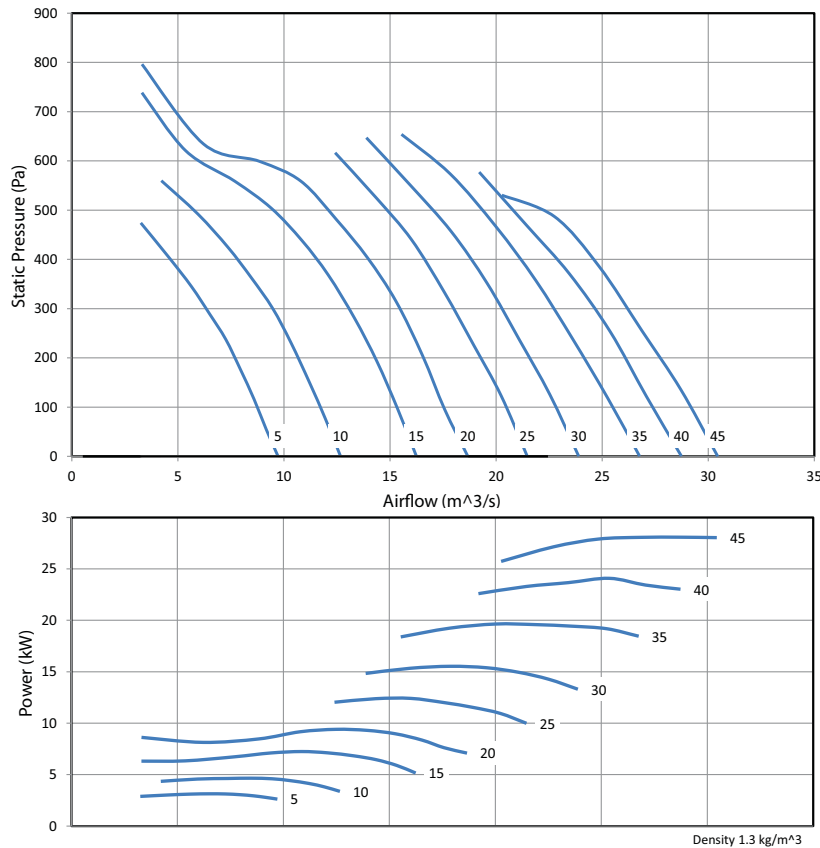


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Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	22	95	95	98	103	103	100	96	88	107	95.5
	413	102	103	105	104	100	97	91	83	106	94.5
	953	97	97	98	98	97	95	91	86	102	90.5
15°	44	92	94	97	99	99	98	96	88	104	92.5
	540	95	96	101	106	105	101	94	87	109	97.5
	1085	104	104	104	103	100	97	92	88	105	93.5
25°	61	97	98	100	101	100	99	96	90	105	93.5
	534	97	97	99	100	100	98	95	89	104	92.5
	1091	107	107	108	104	102	99	93	88	107	95.5
35°	132	101	101	102	103	103	99	95	90	107	95.5
	546	103	103	102	103	103	100	96	92	107	95.5
	975	107	106	105	104	104	101	97	93	108	96.5
45°	215	105	106	107	104	105	102	98	93	109	97.5
	413	103	104	105	105	105	102	98	94	109	97.5
	826	104	105	106	105	105	102	98	94	109	97.5

RA-1120-500-400-6 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

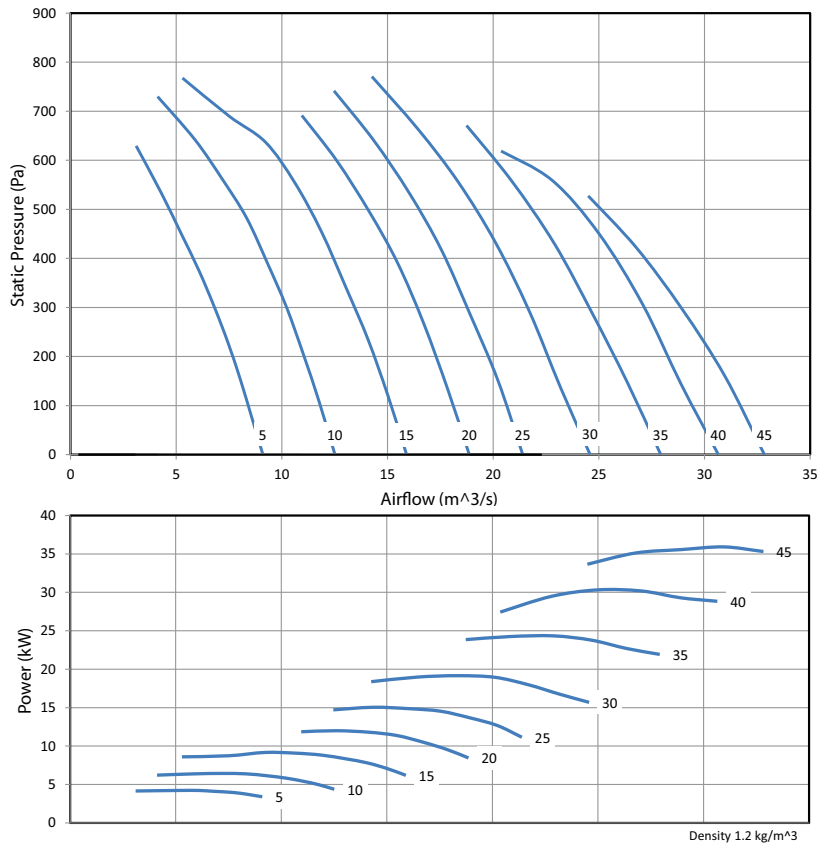


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Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	18	89	90	94	97	96	93	87	80	100	88.5
	176	91	96	100	101	95	91	83	75	101	89.5
	384	94	96	93	90	89	87	81	75	94	82.5
15°	29	86	96	93	93	92	92	88	79	98	86.5
	276	86	94	97	99	98	93	86	79	101	89.5
	513	101	100	97	95	92	89	84	81	97	85.5
25°	53	91	97	94	94	92	91	87	81	98	86.5
	272	93	95	94	93	91	89	86	81	97	85.5
	590	106	103	100	97	95	92	86	82	100	88.5
35°	91	101	101	95	97	96	93	89	86	100	88.5
	285	100	100	95	96	96	94	90	87	101	89.5
	582	100	100	98	98	97	95	90	87	102	90.5
45°	102	104	104	101	99	99	97	92	88	104	92.5
	289	102	102	99	98	99	97	92	88	104	92.5
	531	104	104	100	99	99	96	91	85	103	91.5

RA-1120-500-400-9 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

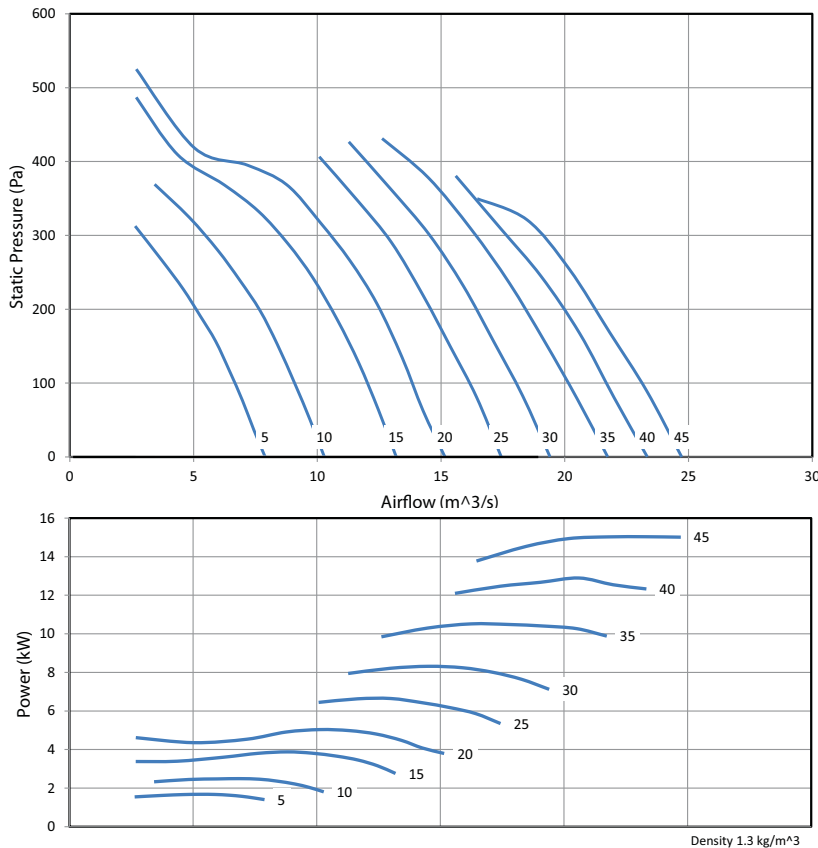


FEG 75

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	14	91	91	95	99	97	95	89	81	102	90.5
	269	97	101	101	99	94	91	83	76	100	88.5
	621	92	93	94	93	92	90	84	80	97	85.5
15°	29	87	91	94	95	93	94	89	81	99	87.5
	351	90	93	99	101	99	95	87	81	103	91.5
	707	100	99	99	97	95	91	86	83	100	88.5
25°	39	93	95	96	96	94	94	90	83	100	88.5
	348	93	93	95	96	94	93	88	83	99	87.5
	710	103	103	102	99	96	93	87	83	101	89.5
35°	86	97	97	97	99	97	93	89	84	101	89.5
	355	99	97	98	99	97	94	90	85	102	90.5
	635	102	101	100	100	99	96	91	86	103	91.5
45°	140	100	103	99	100	99	96	92	87	104	92.5
	269	99	101	100	101	100	97	92	88	104	92.5
	538	100	101	100	101	100	97	92	88	104	92.5

RA-1120-500-400-6 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

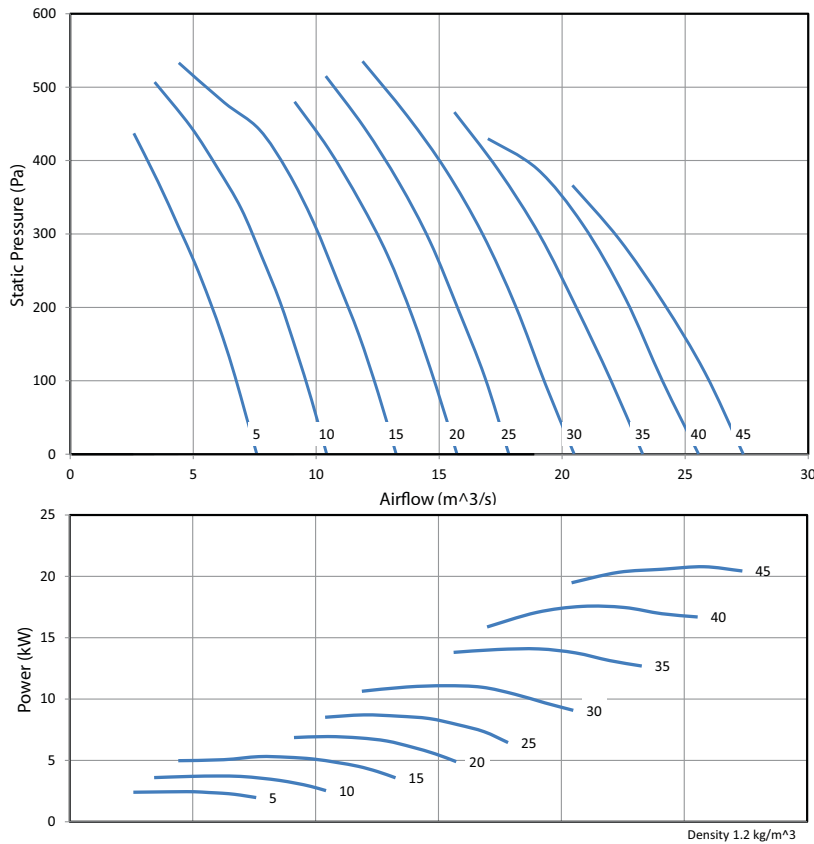


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	12	85	86	91	94	91	89	81	73	96	84.5
	122	87	92	98	96	89	86	77	69	96	84.5
	267	90	92	88	86	84	83	75	70	89	77.5
15°	20	82	92	89	90	87	89	82	73	94	82.5
	192	82	90	93	96	93	88	80	73	97	85.5
	356	97	95	92	90	88	84	78	76	93	81.5
25°	37	87	93	89	90	87	87	82	76	93	81.5
	189	89	91	89	89	87	85	81	76	92	80.5
	409	102	97	95	93	91	87	81	78	95	83.5
35°	63	97	97	92	93	91	88	84	81	96	84.5
	198	96	96	91	93	92	88	85	82	96	84.5
	404	96	96	94	94	93	90	85	83	97	85.5
45°	71	100	100	96	95	95	92	87	84	99	87.5
	201	98	98	95	95	95	92	87	83	99	87.5
	369	100	100	96	95	94	91	85	81	98	86.5

RA-1120-500-400-9 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

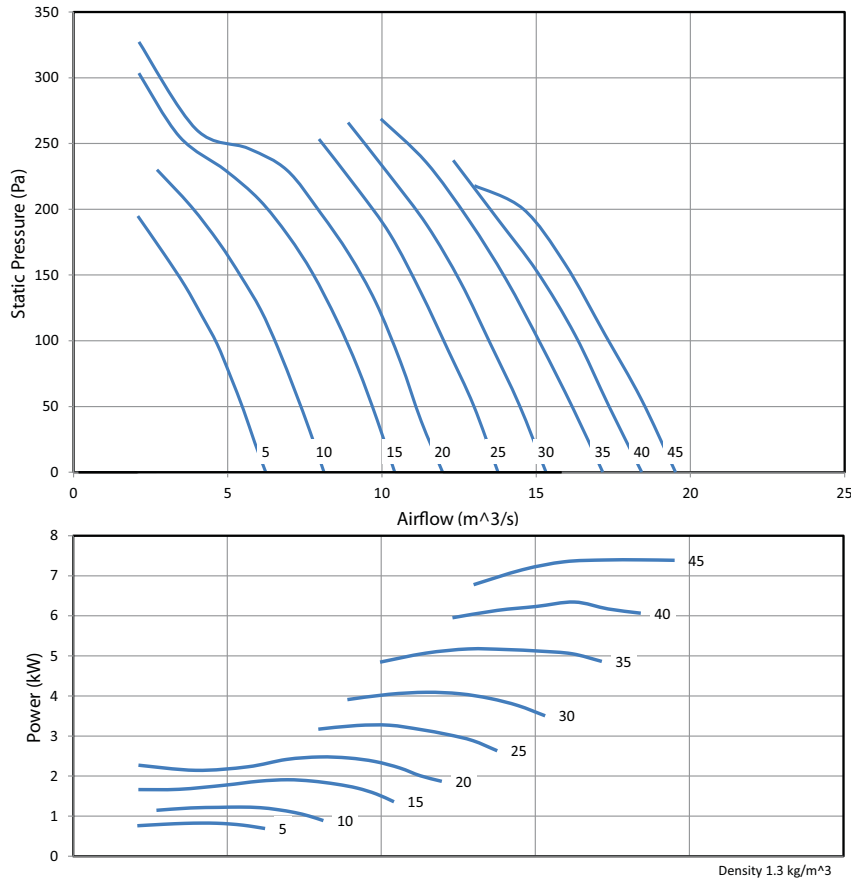


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Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	10	87	87	93	95	92	91	83	75	97	85.5
	187	93	97	97	94	89	87	77	71	95	83.5
	431	88	89	90	89	87	85	79	75	92	80.5
15°	20	83	87	91	91	89	90	83	74	95	83.5
	244	86	89	98	97	94	89	81	75	99	87.5
	491	96	95	95	93	90	86	80	78	95	83.5
25°	27	89	91	93	92	90	90	84	77	96	84.5
	242	89	89	91	92	90	88	83	78	95	83.5
	493	99	99	97	94	92	87	81	78	97	85.5
35°	60	93	93	94	96	92	88	84	78	97	85.5
	247	95	93	94	95	93	89	85	80	97	85.5
	441	98	96	95	96	94	91	86	81	99	87.5
45°	97	96	99	94	97	95	91	87	82	99	87.5
	187	95	97	96	97	95	92	87	83	100	88.5
	374	96	97	96	97	95	92	87	83	100	88.5

RA-1120-500-400-6 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

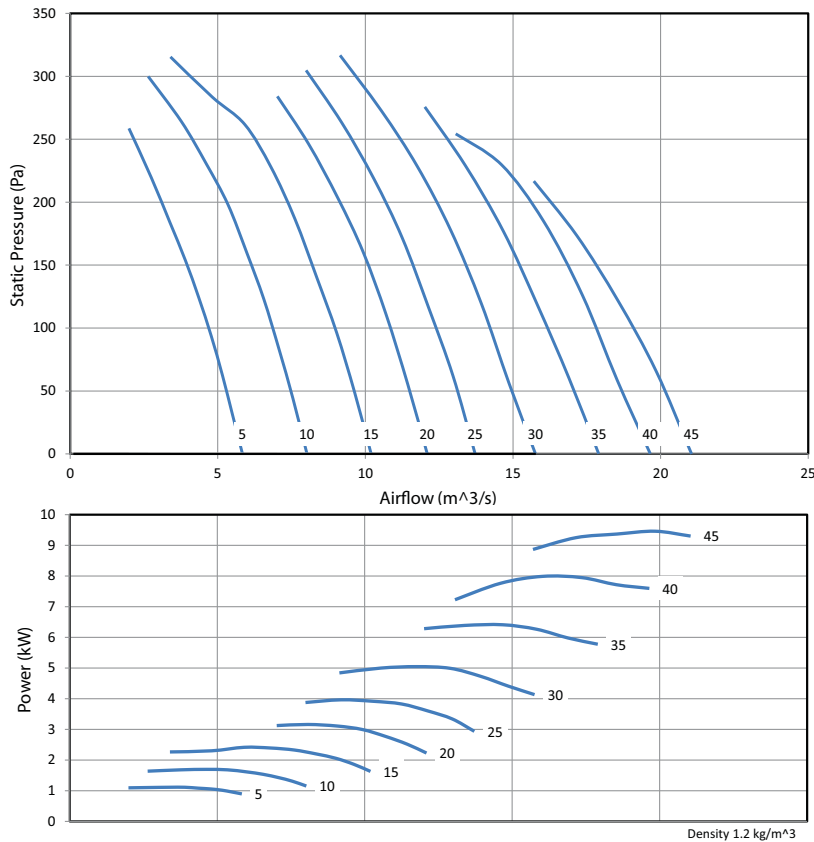


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Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	7	80	82	87	87	85	80	73	65	89	77.5
	72	86	88	92	88	82	77	68	60	89	77.5
	158	86	85	81	80	78	74	67	63	82	70.5
15°	12	86	85	83	83	82	81	73	63	87	75.5
	114	85	86	89	89	85	80	72	65	90	78.5
	211	91	88	86	84	81	76	72	70	86	74.5
25°	22	88	86	84	83	82	80	74	68	86	74.5
	112	85	85	83	83	80	78	73	69	85	73.5
	242	95	91	88	86	84	79	74	71	88	76.5
35°	37	92	85	87	88	84	81	77	74	89	77.5
	117	90	84	87	87	85	81	78	76	90	78.5
	239	91	89	88	88	87	82	78	77	91	79.5
45°	42	94	92	90	89	88	84	80	78	93	81.5
	119	92	90	89	89	88	84	80	77	92	80.5
	218	94	92	90	89	87	83	77	76	92	80.5

RA-1120-500-400-9 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

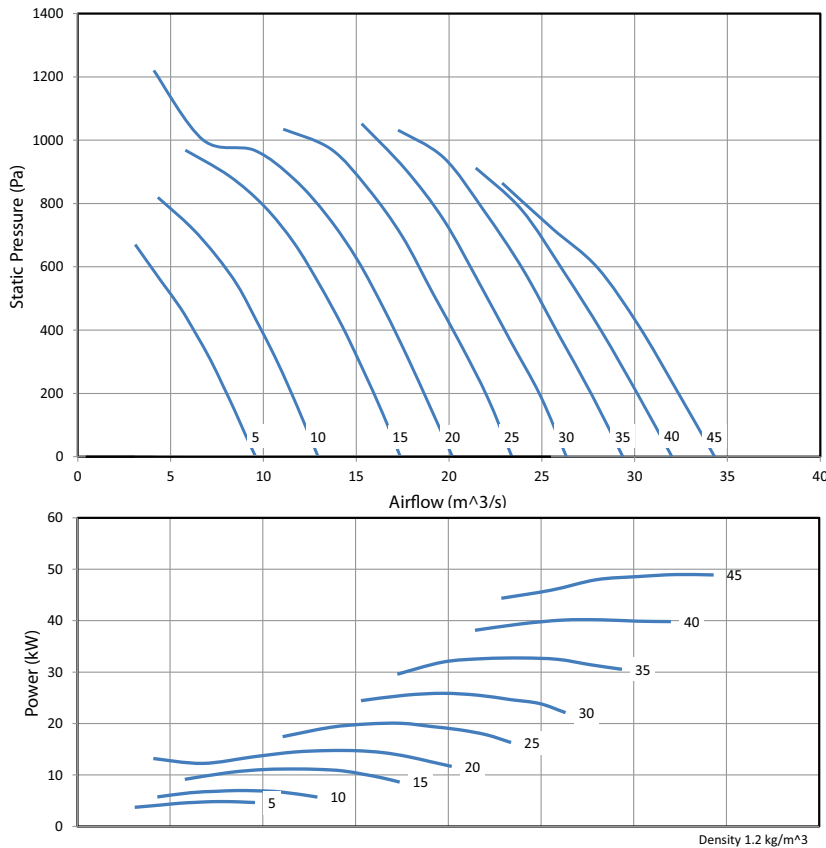


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Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	6	81	84	88	89	86	82	74	66	90	78.5
	151	92	89	86	83	80	75	68	63	85	73.5
	255	83	84	84	82	81	77	72	68	85	73.5
15°	12	79	83	85	84	84	82	74	65	88	76.5
	144	82	87	92	91	87	81	73	67	92	80.5
	290	90	89	88	86	83	78	74	72	88	76.5
25°	16	84	86	87	86	84	82	76	69	89	77.5
	143	83	84	86	85	83	81	75	70	88	76.5
	292	93	93	90	88	85	79	74	71	90	78.5
35°	35	87	87	89	89	85	81	76	70	90	78.5
	146	88	88	89	89	86	82	77	73	91	79.5
	261	92	91	90	90	87	83	78	74	92	80.5
45°	58	91	93	90	91	88	84	79	74	92	80.5
	111	90	91	91	91	88	84	80	75	93	81.5
	221	91	91	91	91	88	84	80	75	93	81.5

RA-1120-630-400-6 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

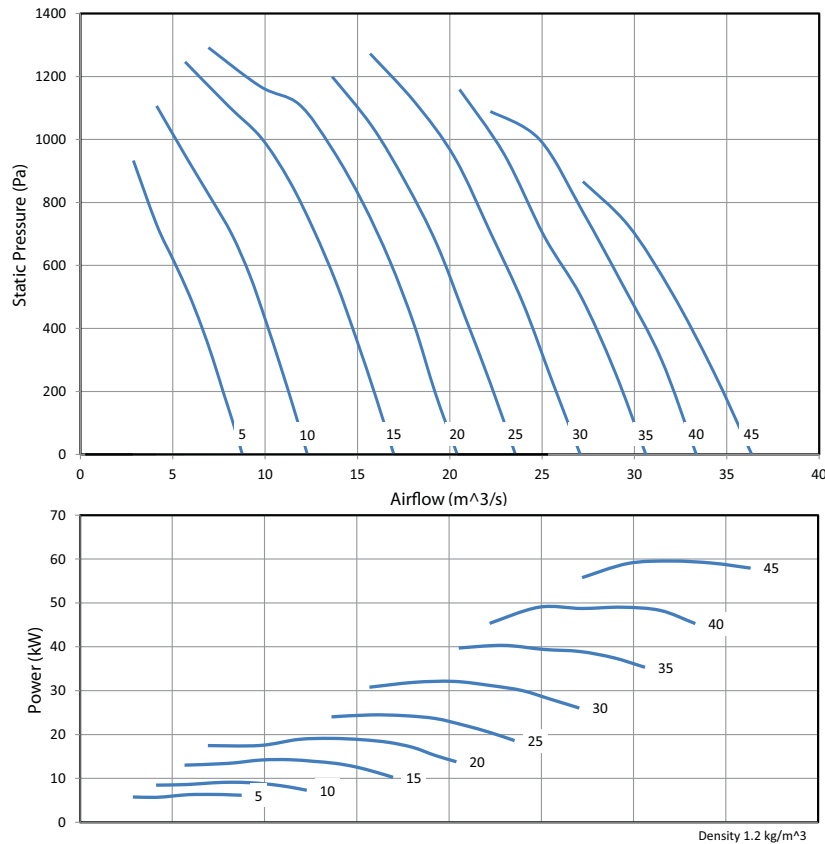


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Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	32	86	89	96	102	102	97	98	89	106	94.5
	239	86	88	96	105	104	97	96	85	107	95.5
	446	91	95	106	107	100	94	93	84	107	95.5
15°	74	93	94	96	100	98	96	96	87	104	92.5
	369	90	93	96	99	98	96	94	88	103	91.5
	748	103	114	108	104	100	95	91	87	106	94.5
25°	122	102	101	100	99	98	96	93	88	103	91.5
	354	102	102	100	98	98	95	92	88	103	91.5
	656	104	102	100	99	99	97	94	91	104	92.5
35°	214	106	106	100	102	102	100	96	92	107	95.5
	494	106	106	99	102	103	101	96	92	107	95.5
	885	107	107	101	102	102	101	96	91	107	95.5
45°	247	109	109	105	105	106	104	100	95	111	99.5
	364	110	110	105	105	106	104	100	94	110	98.5
	815	109	109	106	105	106	103	98	93	110	98.5

RA-1120-630-400-9 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

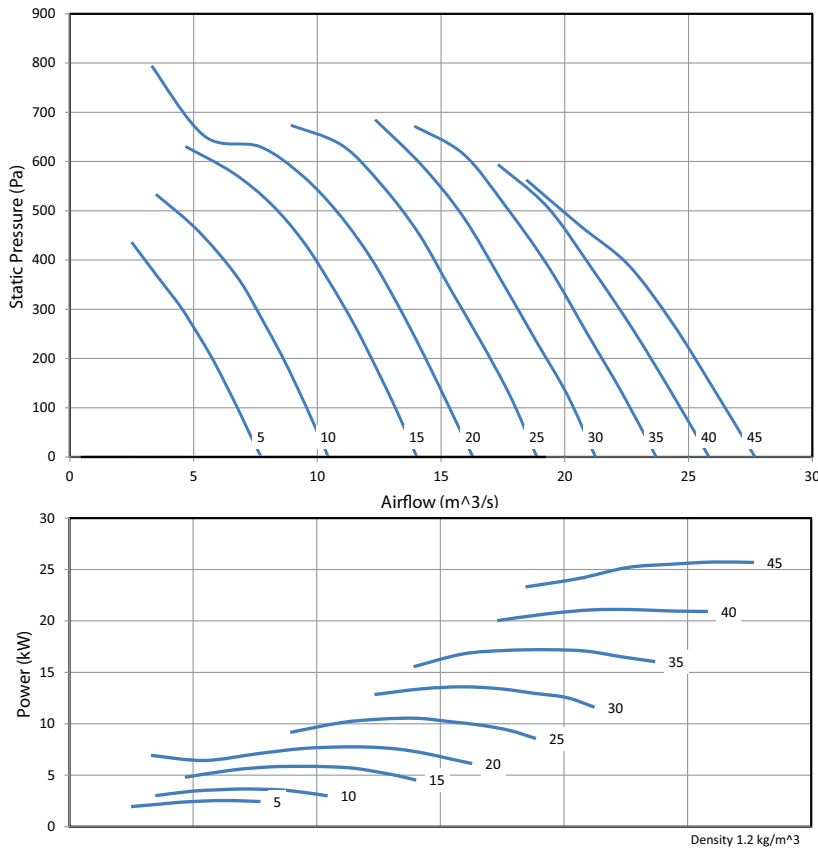


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	22	91	90	98	103	103	99	99	90	107	95.5
	374	91	91	102	107	103	97	95	85	107	95.5
	837	99	99	102	98	97	94	91	85	102	90.5
15°	65	97	92	101	101	100	98	98	89	105	93.5
	366	93	92	98	100	100	99	97	88	105	93.5
	871	103	107	110	106	102	97	91	86	108	96.5
25°	168	112	108	99	102	101	99	96	89	106	94.5
	349	114	109	99	101	100	98	95	89	105	93.5
	860	113	113	115	108	105	100	94	87	111	99.5
35°	214	105	105	103	105	104	101	96	91	108	96.5
	385	102	102	103	105	104	101	97	92	108	96.5
	855	102	102	104	105	104	102	97	93	109	97.5
45°	285	108	108	108	106	108	105	100	95	112	100.5
	539	109	109	109	106	108	105	100	95	112	100.5
	998	120	120	120	110	108	104	98	91	115	103.5

RA-1120-630-400-6 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

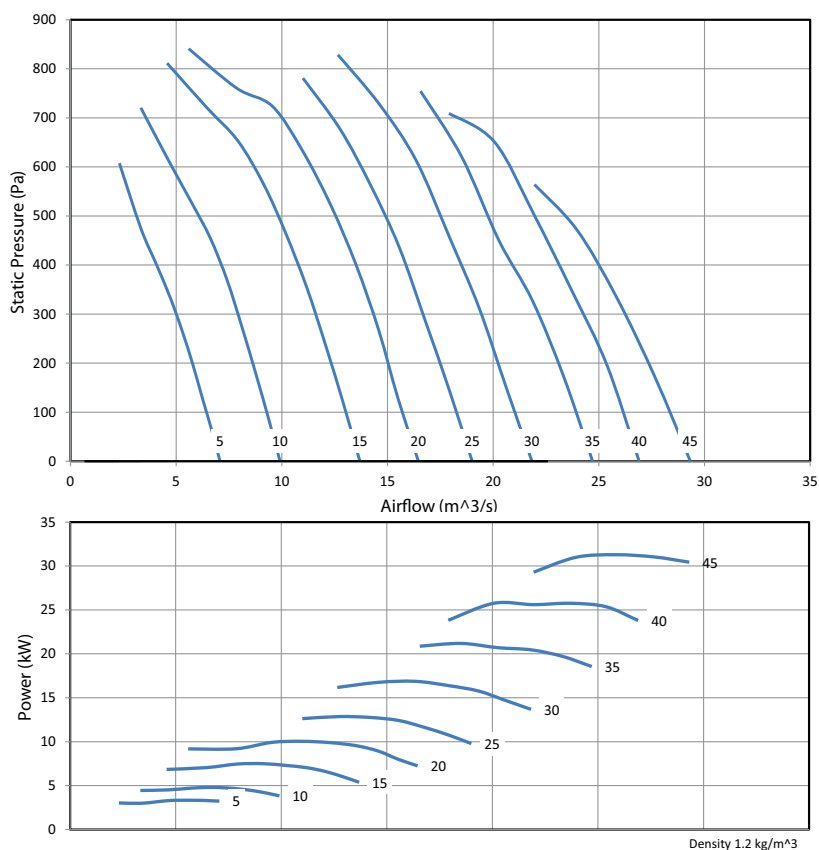


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	21	82	86	93	97	96	93	91	81	100	88.5
	156	82	86	94	100	97	92	88	77	101	89.5
	290	87	94	102	100	94	89	85	76	100	88.5
15°	48	88	90	93	96	93	91	90	79	98	86.5
	240	86	89	92	95	92	90	88	81	98	86.5
	487	100	109	101	98	94	89	85	82	100	88.5
25°	79	97	96	95	94	93	90	87	81	98	86.5
	230	97	97	95	94	93	90	86	82	97	85.5
	427	99	96	95	95	94	91	88	85	99	87.5
35°	140	102	102	96	97	97	94	90	87	101	89.5
	321	101	101	95	97	97	95	90	87	102	90.5
	576	102	102	97	97	97	95	90	86	102	90.5
45°	161	104	104	99	101	102	99	93	89	106	94.5
	237	105	105	99	101	102	98	93	88	105	93.5
	530	104	104	100	100	101	97	92	87	105	93.5

RA-1120-630-400-9 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

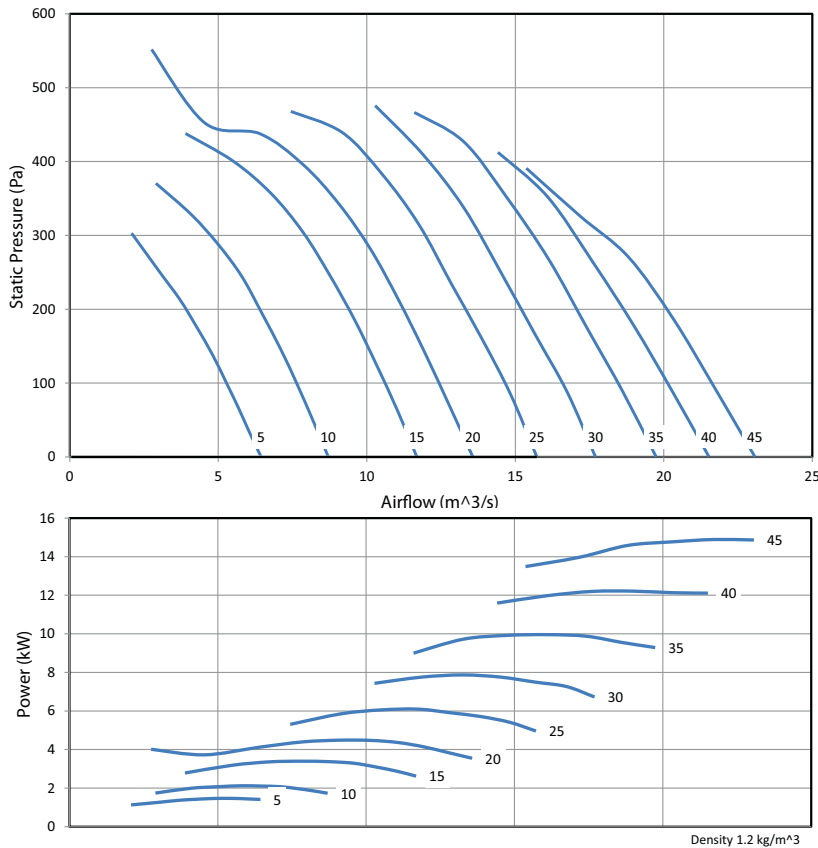


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	15	86	94	95	98	97	95	92	82	102	90.5
	243	86	97	99	101	96	92	88	77	101	89.5
	545	94	97	96	93	91	88	84	79	96	84.5
15°	42	92	96	96	96	95	93	92	81	100	88.5
	238	88	94	94	96	95	93	90	81	100	88.5
	567	99	106	105	100	96	90	85	80	102	90.5
25°	109	107	99	96	97	95	94	89	83	100	88.5
	227	110	100	95	96	94	93	88	83	100	88.5
	560	108	111	107	103	99	94	87	81	105	93.5
35°	139	100	100	98	100	99	95	90	85	103	91.5
	251	97	98	99	100	99	95	90	86	103	91.5
	557	97	99	99	100	99	96	91	87	103	91.5
45°	186	103	103	100	102	104	99	94	89	107	95.5
	351	104	104	100	102	104	99	94	89	107	95.5
	650	115	115	106	104	103	98	91	85	107	95.5

RA-1120-630-400-6 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

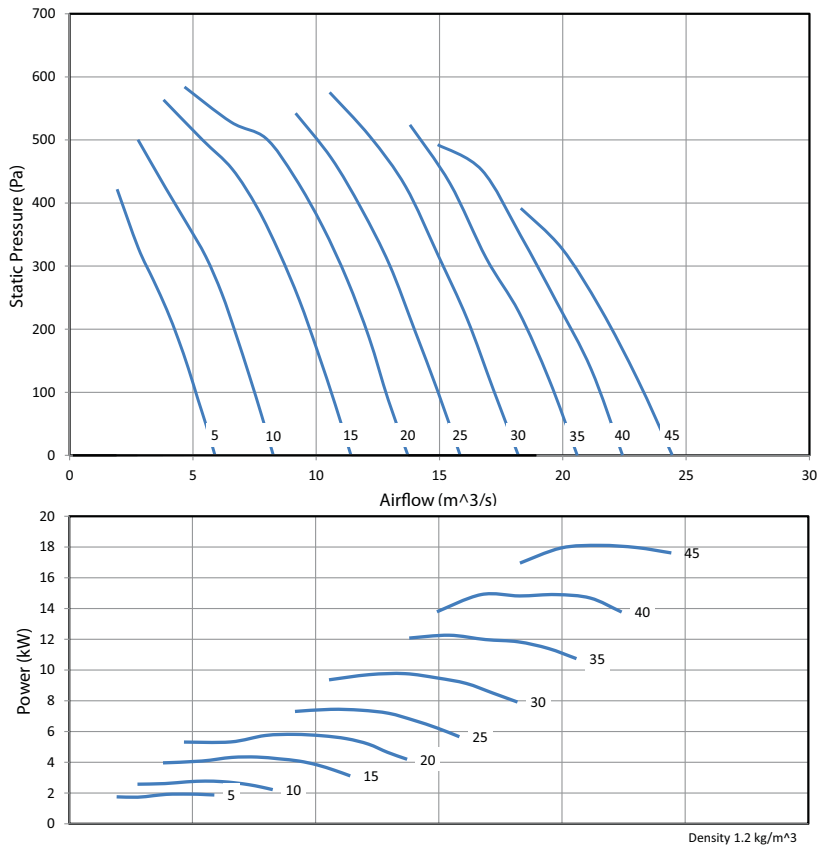


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	15	79	84	91	93	91	89	84	74	96	84.5
	108	79	84	92	96	91	88	81	70	96	84.5
	202	85	93	98	94	88	85	79	69	95	83.5
15°	33	85	87	90	91	88	87	84	72	94	82.5
	167	83	86	89	90	88	86	82	75	93	81.5
	338	99	105	96	93	89	84	80	77	96	84.5
25°	55	93	92	90	91	88	86	81	76	93	81.5
	160	94	93	90	90	88	85	81	77	93	81.5
	297	95	91	91	91	90	86	83	80	94	82.5
35°	97	98	98	92	94	93	89	85	82	97	85.5
	223	97	97	92	94	93	90	85	82	97	85.5
	400	98	98	93	93	93	90	85	82	97	85.5
45°	112	100	100	96	97	97	93	88	85	101	89.5
	164	101	101	96	97	97	93	88	84	101	89.5
	369	100	100	96	97	96	92	87	83	100	88.5

RA-1120-630-400-9 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

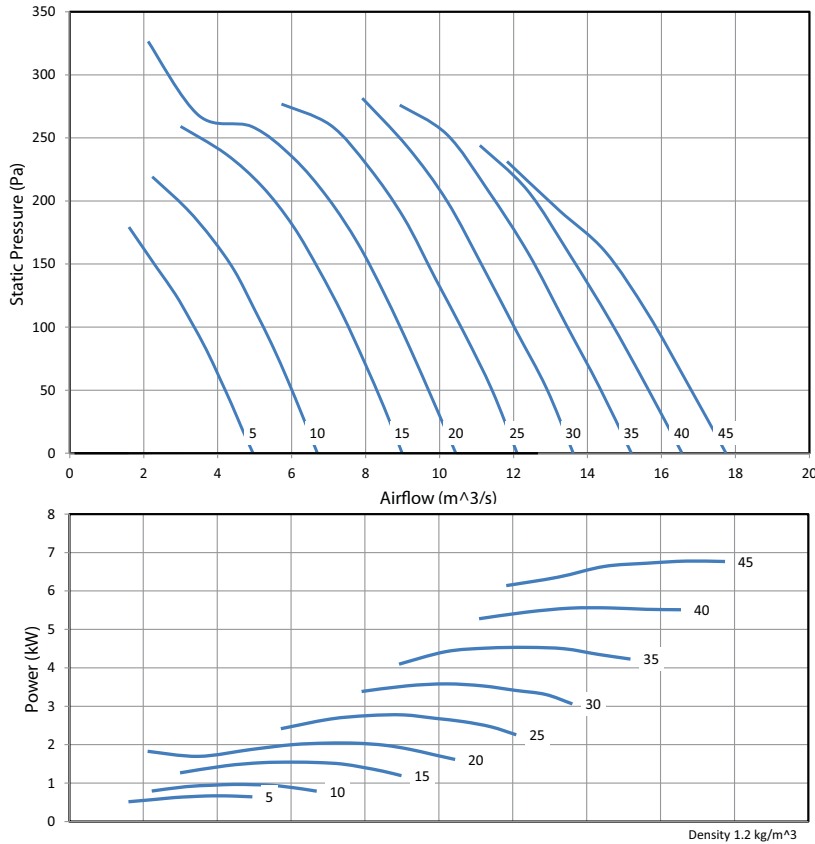


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	10	82	90	92	94	92	91	85	76	97	85.5
	169	82	93	96	96	91	87	81	71	97	85.5
	378	90	93	91	89	87	83	79	74	92	80.5
15°	29	86	92	92	92	90	89	85	74	96	84.5
	165	84	90	91	92	91	89	84	74	95	83.5
	394	96	102	99	95	90	85	80	75	97	85.5
25°	76	103	91	93	93	91	90	83	78	96	84.5
	158	106	91	92	92	90	89	83	77	95	83.5
	389	104	107	101	98	94	88	81	77	100	88.5
35°	97	96	95	95	96	94	90	85	80	98	86.5
	174	93	94	95	96	94	90	85	81	98	86.5
	387	93	95	96	96	94	91	86	82	99	87.5
45°	129	99	99	97	99	99	94	89	84	102	90.5
	244	101	101	96	98	99	94	88	84	102	90.5
	451	111	111	102	100	97	92	86	80	103	91.5

RA-1120-630-400-6 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

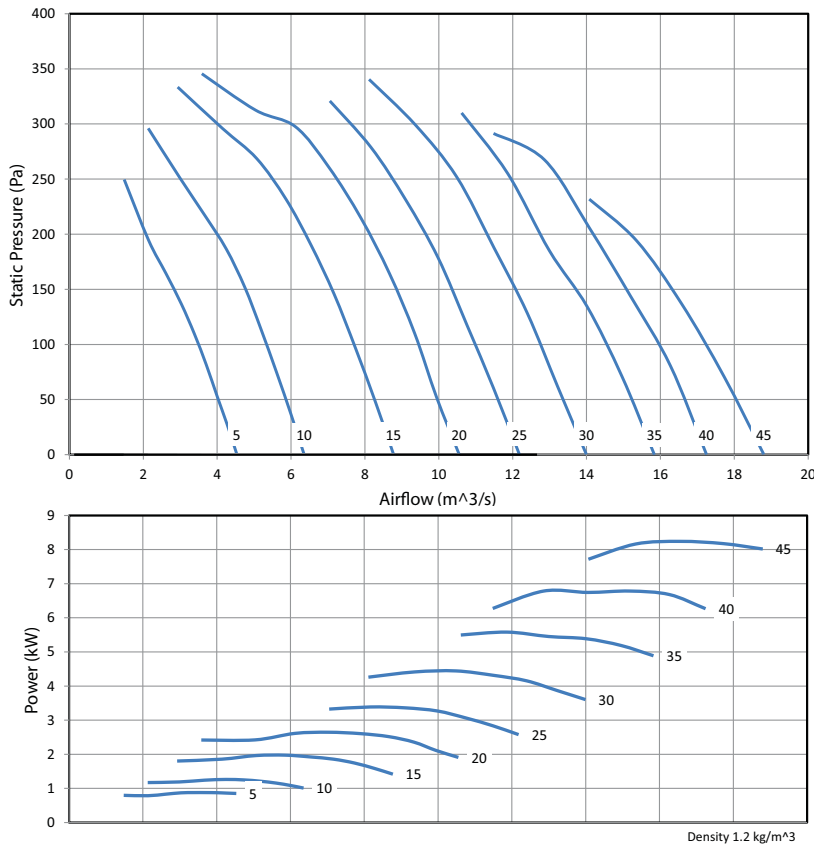


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	9	74	81	88	88	83	84	75	65	90	78.5
	64	74	82	90	90	83	82	71	61	90	78.5
	119	81	91	93	86	80	79	70	60	88	76.5
15°	20	80	82	85	84	82	82	74	63	87	75.5
	99	79	81	84	84	81	80	74	66	87	75.5
	200	99	94	89	86	81	77	73	70	88	76.5
25°	33	87	86	85	84	82	79	74	68	86	74.5
	95	88	86	84	84	81	78	74	70	86	74.5
	175	88	85	85	85	83	80	76	73	88	76.5
35°	57	92	86	88	88	86	82	78	75	90	78.5
	132	91	85	87	88	87	82	78	76	91	79.5
	237	92	87	88	88	87	82	77	76	91	79.5
45°	66	95	91	91	92	90	86	81	78	94	82.5
	140	95	91	90	92	90	85	80	78	94	82.5
	218	95	92	91	91	89	84	79	78	93	81.5

RA-1120-630-400-9 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

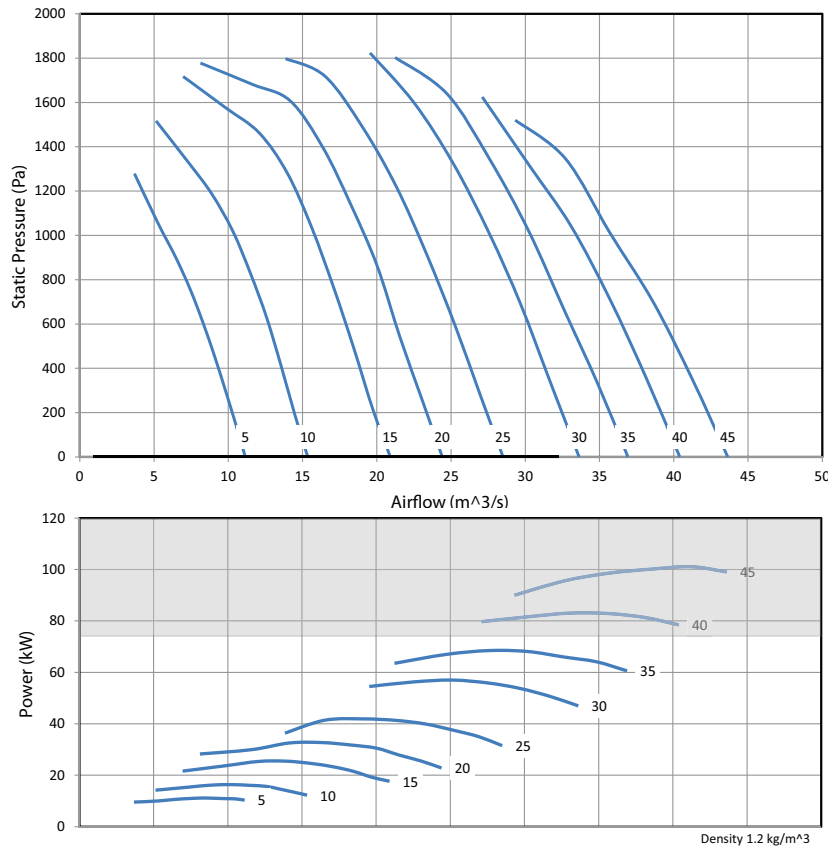


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	6	75	84	89	89	85	85	76	66	91	79.5
	100	77	88	92	89	83	81	71	61	90	78.5
	224	84	87	84	83	80	77	71	66	85	73.5
15°	17	78	86	87	86	84	84	75	64	89	77.5
	133	79	85	89	88	86	82	75	66	90	78.5
	233	92	96	92	88	83	77	72	68	89	77.5
25°	45	94	85	87	86	85	82	75	70	89	77.5
	139	83	84	87	85	84	81	75	70	88	76.5
	230	99	101	94	91	86	80	73	69	93	81.5
35°	57	90	88	90	90	87	82	77	73	92	80.5
	132	89	88	91	89	87	83	78	74	92	80.5
	229	87	89	91	90	88	83	79	75	92	80.5
45°	76	93	93	92	94	91	86	81	78	95	83.5
	144	95	95	91	93	91	86	81	77	95	83.5
	267	105	105	95	94	90	84	77	73	96	84.5

RA-1120-630-533-8 (1770 PRM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	48	93	98	104	105	105	102	101	96	110	98.5
	746	96	99	105	106	107	103	99	93	110	98.5
	1478	101	103	110	107	103	97	92	88	108	96.5
15°	113	102	101	103	108	104	101	99	97	110	98.5
	1090	103	103	105	105	101	97	95	92	106	94.5
	1806	113	112	111	111	107	101	96	92	112	100.5
25°	202	111	111	105	110	106	102	99	95	111	99.5
	723	110	110	106	109	105	99	95	91	110	98.5
	1782	110	110	108	108	105	100	94	90	110	98.5
35°	325	113	113	113	109	109	105	100	95	113	101.5
	715	113	113	113	110	109	104	99	94	113	101.5
	1799	118	118	118	111	109	104	99	95	114	102.5
45°	434	118	118	118	113	112	108	103	98	117	105.5
	1062	117	117	117	112	111	107	101	96	116	104.5
	1800	123	123	123	112	110	106	101	96	117	105.5



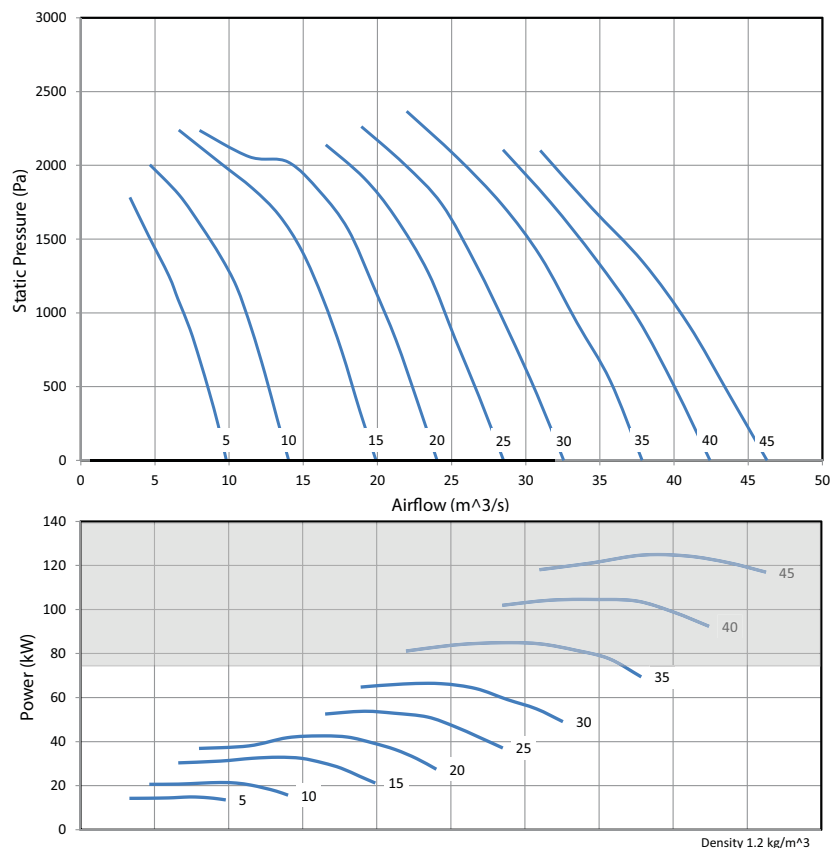
Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.



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RA-1120-630-533-12 (1770 PRM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

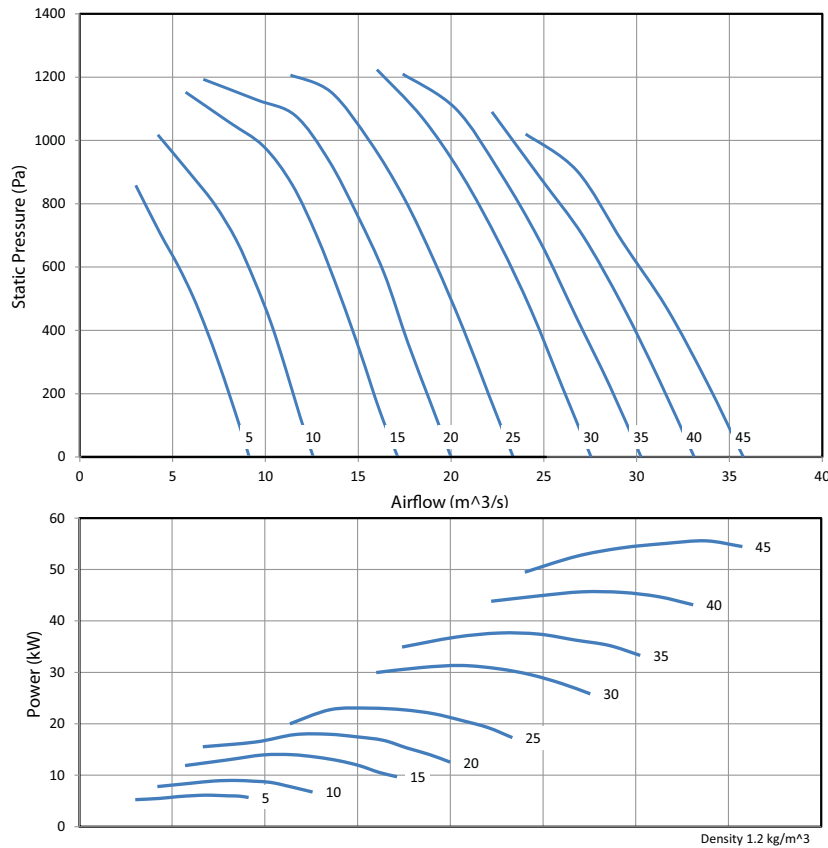


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	33	93	96	106	107	107	104	103	97	111	99.5
	1110	95	98	106	106	107	102	98	92	111	99.5
	1871	100	99	111	107	103	98	93	89	109	97.5
15°	116	96	97	106	106	105	103	101	98	110	98.5
	1142	99	100	106	106	103	100	97	94	108	96.5
	2155	106	108	113	112	107	102	95	91	113	101.5
25°	195	101	101	107	107	106	103	101	96	111	99.5
	1110	102	102	106	106	104	100	97	92	108	96.5
	2244	108	108	109	108	105	101	96	91	110	98.5
35°	406	99	105	109	108	107	102	98	93	111	99.5
	1183	99	105	109	107	107	101	95	91	110	98.5
	2254	91	105	112	105	103	97	92	89	108	96.5
45°	448	116	116	115	113	112	110	104	100	117	105.5
	822	113	113	113	112	112	109	103	99	116	104.5
	1817	113	113	112	111	111	108	101	98	115	103.5

RA-1120-630-533-8 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

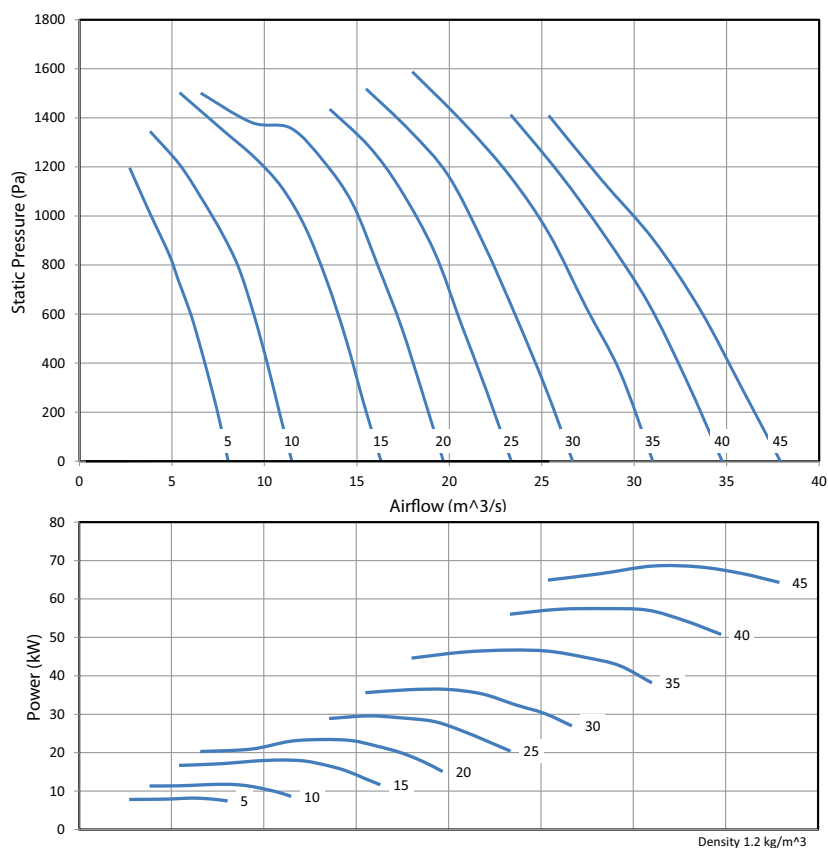


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	32	89	95	100	101	101	97	97	90	105	93.5
	501	91	96	101	102	103	97	94	86	106	94.5
	992	97	99	105	101	98	91	86	83	103	91.5
15°	76	97	97	101	102	99	96	95	91	104	92.5
	732	98	99	101	99	95	92	89	87	101	89.5
	1212	109	107	107	106	101	95	90	88	107	95.5
25°	136	107	105	102	104	101	97	94	90	106	94.5
	485	106	105	102	104	99	94	89	86	104	92.5
	1196	106	105	103	103	99	94	89	86	104	92.5
35°	218	109	109	109	106	104	99	94	89	108	96.5
	480	109	109	109	106	104	98	93	88	108	96.5
	1207	114	114	114	106	103	98	93	89	110	98.5
45°	291	114	114	114	109	107	102	97	92	112	100.5
	713	113	113	113	108	106	101	95	91	111	99.5
	1208	119	119	119	107	104	100	95	90	113	101.5

RA-1120-630-533-12 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

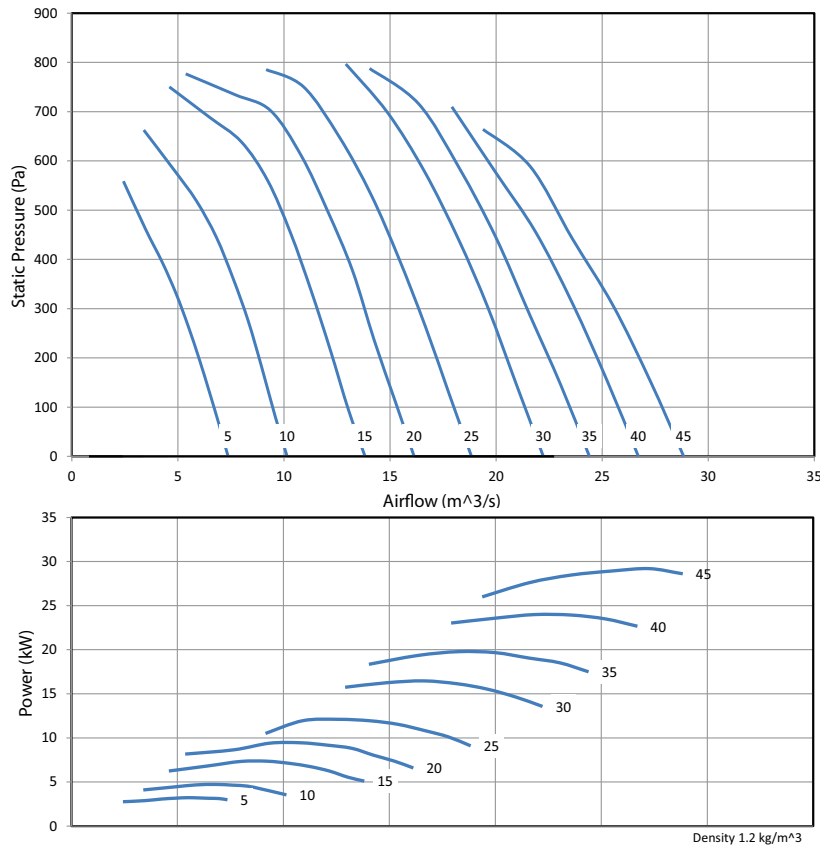


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	22	88	93	102	102	102	98	98	91	107	95.5
	745	91	94	102	102	104	96	93	85	106	94.5
	1256	96	94	107	101	98	92	87	84	103	91.5
15°	78	92	94	102	102	100	98	96	91	105	93.5
	766	95	96	102	101	98	95	92	89	103	91.5
	1446	102	106	109	106	102	95	89	87	107	95.5
25°	131	97	98	102	103	101	98	96	90	106	94.5
	745	98	99	102	101	99	95	92	87	103	91.5
	1506	104	104	104	103	100	95	90	86	105	93.5
35°	273	97	103	105	105	103	99	95	89	107	95.5
	794	97	103	104	103	103	97	91	86	106	94.5
	1513	91	104	108	103	100	94	89	85	105	93.5
45°	301	112	112	110	108	108	103	99	94	112	100.5
	551	109	109	108	108	107	103	98	93	111	99.5
	1219	108	108	108	107	106	101	97	92	110	98.5

RA-1120-630-533-8 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

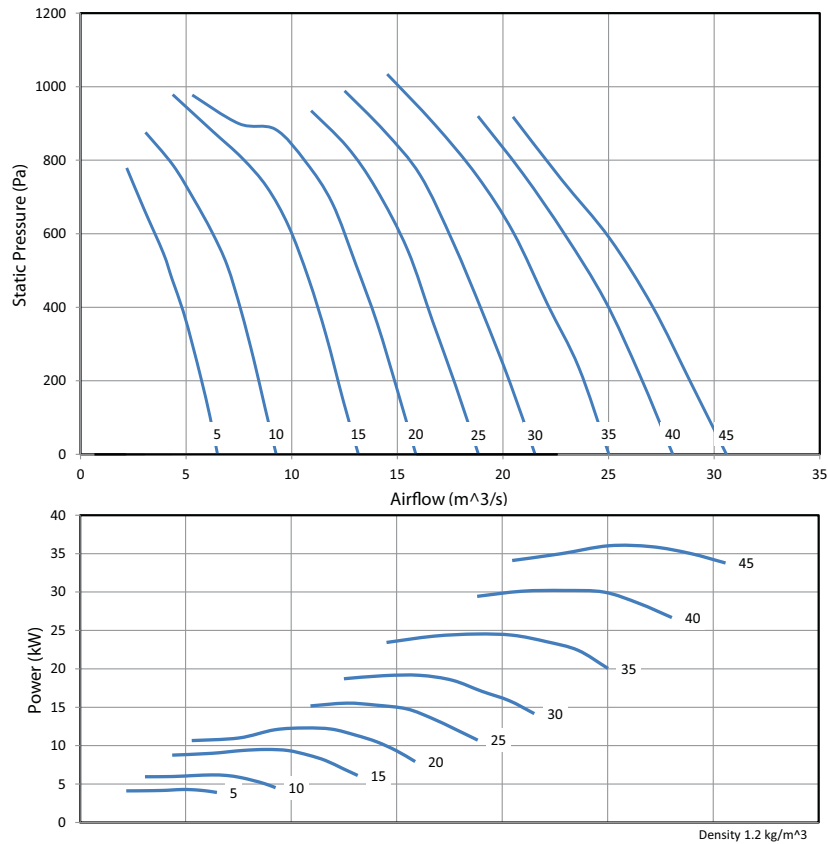


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	21	86	95	96	96	95	92	90	83	100	88.5
	326	88	96	96	98	97	91	87	79	100	88.5
	646	93	101	100	96	91	85	81	77	97	85.5
15°	50	93	92	98	96	93	91	90	84	99	87.5
	476	94	96	97	93	90	87	84	81	96	84.5
	789	104	102	103	100	95	89	84	83	101	89.5
25°	88	102	98	99	98	95	91	88	84	100	88.5
	316	101	99	99	97	93	88	83	81	98	86.5
	779	101	100	99	97	93	88	83	82	99	87.5
35°	142	104	104	99	102	98	92	88	83	103	91.5
	313	104	104	100	102	98	91	87	82	102	90.5
	786	109	109	103	101	97	92	87	83	103	91.5
45°	190	109	109	104	104	101	96	91	86	106	94.5
	464	108	108	103	103	100	94	89	85	105	93.5
	786	114	114	104	102	98	94	88	84	105	93.5

RA-1120-630-533-12 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

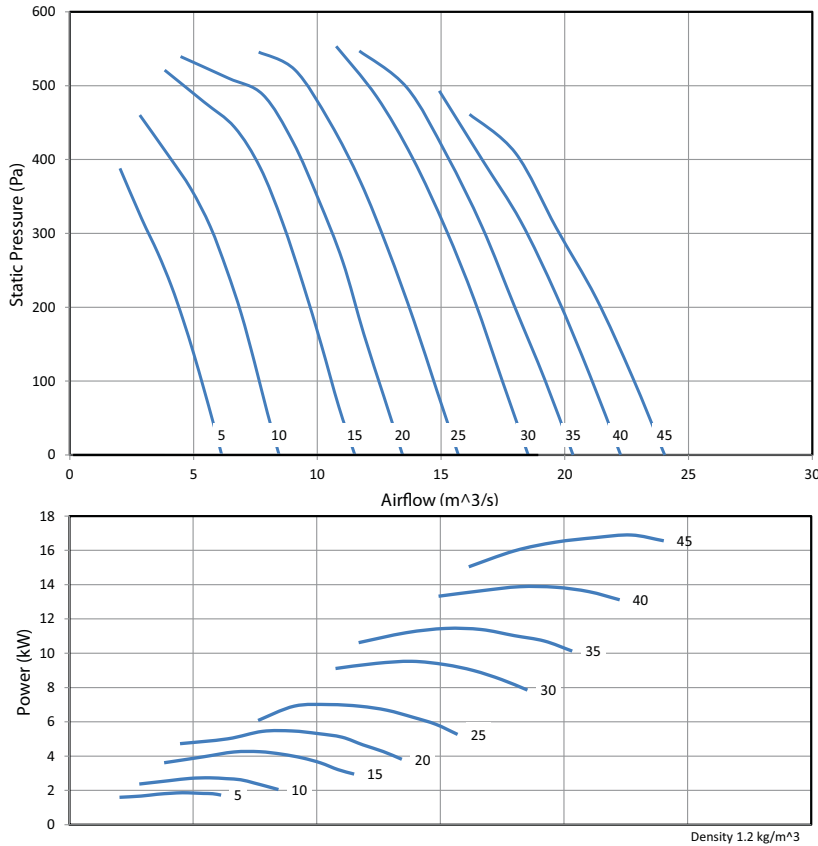


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	15	85	91	97	98	96	94	91	84	101	89.5
	485	87	92	97	98	96	90	86	78	100	88.5
	818	91	94	102	95	91	86	81	78	98	86.5
15°	51	87	90	97	97	95	92	91	84	100	88.5
	499	90	93	97	95	93	89	86	83	98	86.5
	942	97	104	104	100	95	88	83	82	101	89.5
25°	85	92	95	98	98	96	93	89	85	101	89.5
	485	94	95	97	96	93	89	86	83	98	86.5
	981	99	99	100	97	94	89	84	81	99	87.5
35°	178	94	96	100	96	92	89	84	84	98	86.5
	517	94	96	100	96	91	86	81	82	97	85.5
	985	90	94	103	91	86	82	79	82	96	84.5
45°	196	107	107	104	103	103	97	94	87	106	94.5
	359	104	104	103	103	102	96	93	86	106	94.5
	794	104	104	103	102	102	93	92	85	105	93.5

RA-1120-630-533-8 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

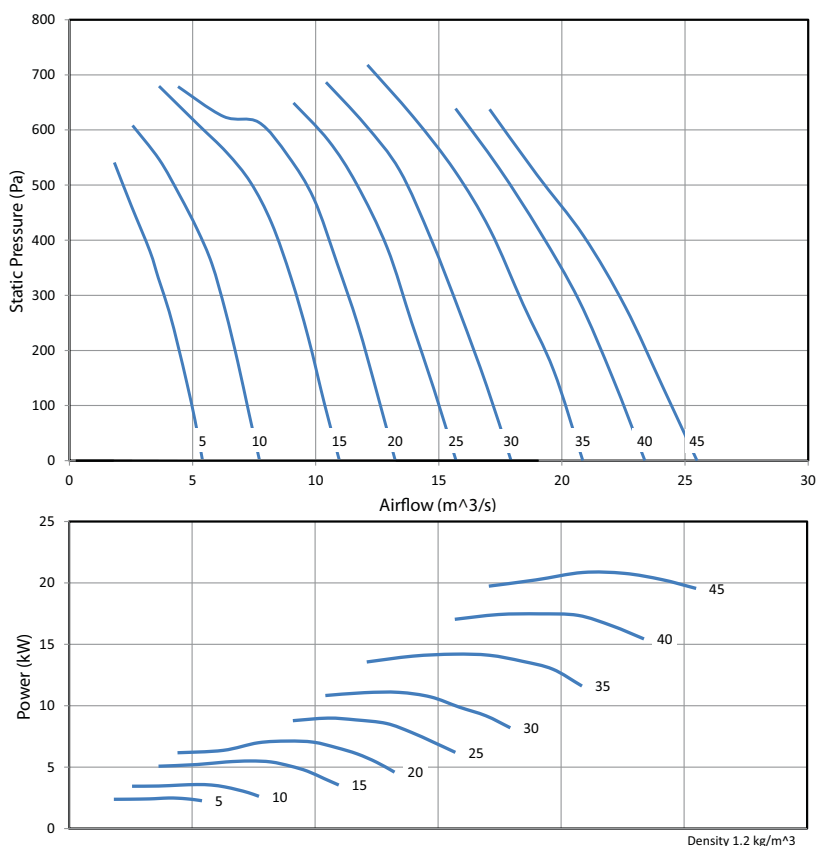


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	15	84	91	92	92	90	88	84	77	95	83.5
	226	85	92	93	94	91	86	81	73	95	83.5
	449	89	97	95	91	85	80	76	73	92	80.5
15°	34	89	89	95	92	89	87	85	78	95	83.5
	331	90	92	92	88	85	82	79	77	91	79.5
	548	100	98	99	95	89	83	80	79	96	84.5
25°	61	98	93	96	94	90	86	83	80	96	84.5
	219	97	93	96	92	87	83	78	77	94	82.5
	541	97	95	95	93	88	82	77	78	94	82.5
35°	99	100	100	96	97	92	87	83	80	98	86.5
	217	100	100	96	97	92	86	82	79	97	85.5
	546	105	105	98	96	92	87	82	80	98	86.5
45°	132	105	105	100	99	96	90	85	82	101	89.5
	322	104	104	99	98	94	89	84	81	100	88.5
	546	110	110	100	97	93	88	83	80	100	88.5

RA-1120-630-533-12 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

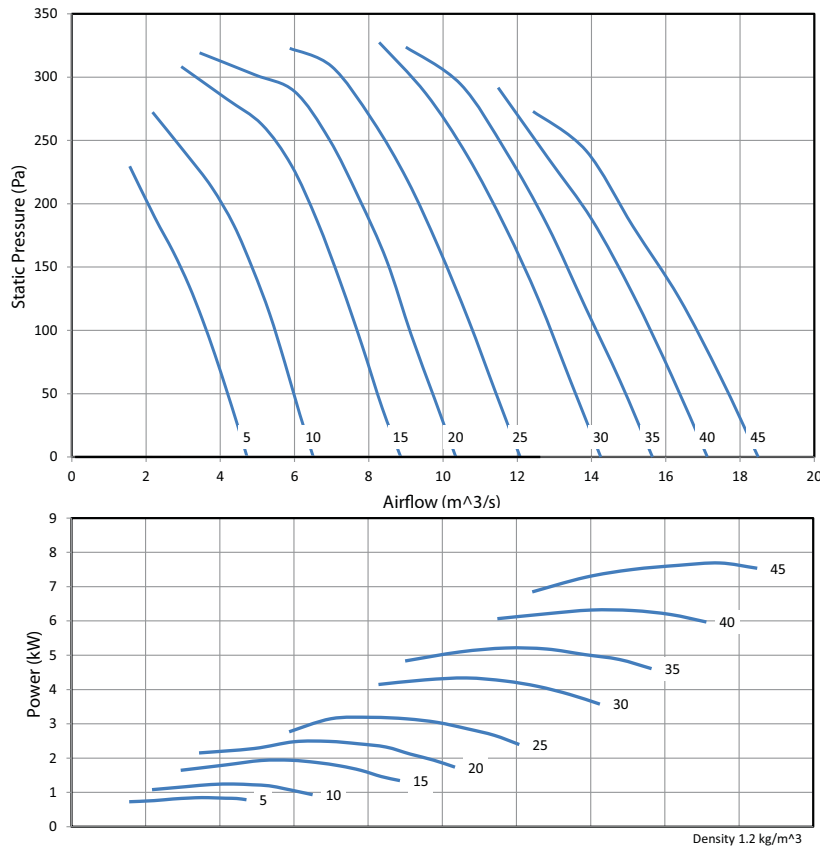


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	10	83	89	93	94	91	90	85	78	97	85.5
	337	84	90	93	94	90	85	80	72	95	83.5
	568	86	93	98	90	86	81	77	74	93	81.5
15°	35	84	88	93	92	90	88	86	77	95	83.5
	347	87	90	94	91	88	84	82	78	93	81.5
	654	94	101	100	95	90	83	79	77	97	85.5
25°	59	88	92	94	93	91	88	84	80	96	84.5
	337	90	92	93	91	88	85	80	79	93	81.5
	681	95	96	96	93	89	83	78	78	94	82.5
35°	123	92	93	96	93	89	85	80	81	95	83.5
	359	92	93	96	93	87	82	78	78	94	82.5
	684	90	93	99	89	84	79	76	78	93	81.5
45°	136	103	102	100	99	98	92	88	82	102	90.5
	249	100	100	99	99	97	91	87	82	101	89.5
	551	100	100	99	98	96	89	86	81	100	88.5

RA-1120-630-533-8 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

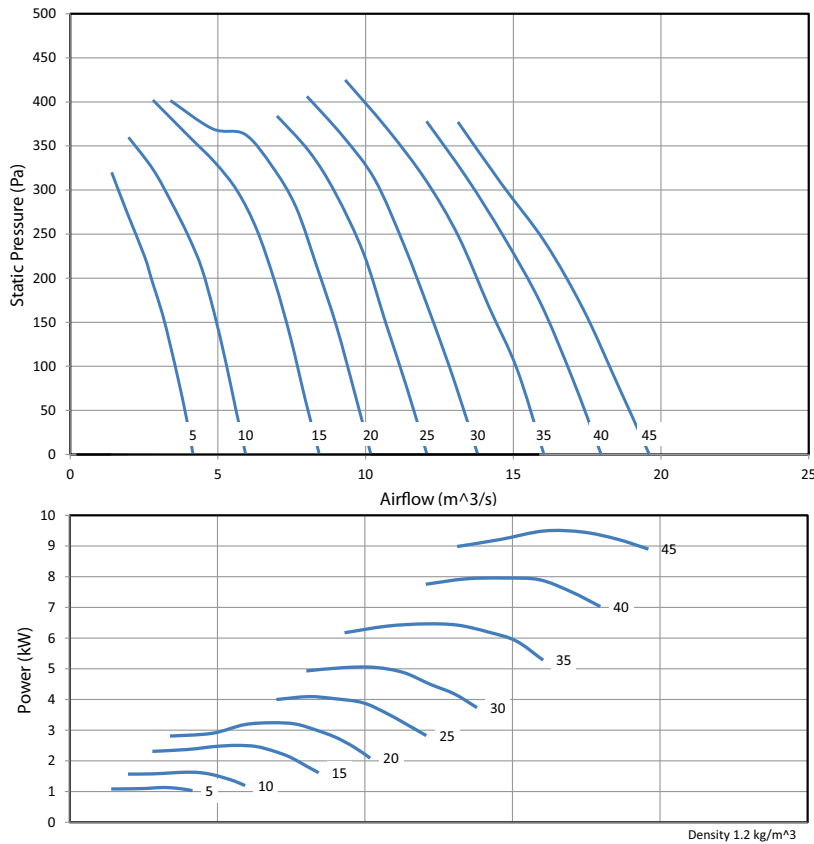


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	9	81	86	87	86	83	83	76	68	89	77.5
	134	81	86	87	89	83	79	72	65	89	77.5
	265	85	91	87	84	77	72	69	66	85	73.5
15°	20	83	86	88	85	82	81	77	70	88	76.5
	196	85	86	85	81	78	75	72	70	84	72.5
	324	93	93	92	87	81	76	74	74	89	77.5
25°	36	91	88	90	86	83	79	76	73	89	77.5
	130	91	88	89	85	80	75	72	71	87	75.5
	320	91	89	89	85	80	75	71	73	87	75.5
35°	58	94	94	91	90	85	80	75	74	91	79.5
	129	94	94	91	89	84	79	74	74	90	78.5
	323	99	99	92	89	84	79	75	74	91	79.5
45°	78	100	100	94	92	88	83	78	77	94	82.5
	191	99	99	93	91	87	81	76	76	93	81.5
	323	104	104	93	90	86	81	76	74	93	81.5

RA-1120-630-533-12 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

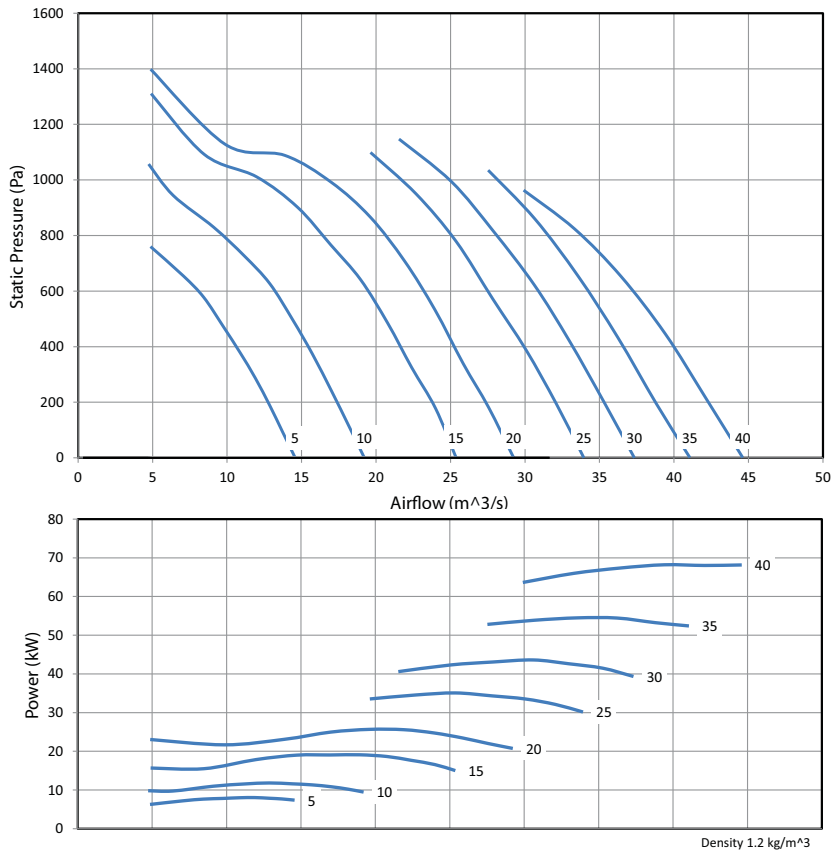


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	6	79	87	88	88	84	84	77	69	90	78.5
	199	80	88	88	89	82	79	71	64	89	77.5
	336	80	92	87	83	78	73	70	67	85	73.5
15°	21	79	88	87	86	83	82	77	68	89	77.5
	205	82	88	87	84	81	78	74	70	87	75.5
	387	92	95	92	87	81	75	72	71	89	77.5
25°	35	83	88	88	87	84	82	76	73	89	77.5
	199	84	87	87	85	81	78	73	73	87	75.5
	403	90	90	89	86	81	76	71	72	87	75.5
35°	73	88	90	90	89	84	80	74	75	90	78.5
	212	88	90	89	89	82	77	72	72	89	77.5
	405	90	93	89	86	80	75	71	74	87	75.5
45°	80	97	96	94	93	89	85	80	77	95	83.5
	215	94	94	93	93	88	84	79	75	94	82.5
	326	94	94	92	92	87	82	78	75	93	81.5

RA-1250-630-400-6 (1450 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

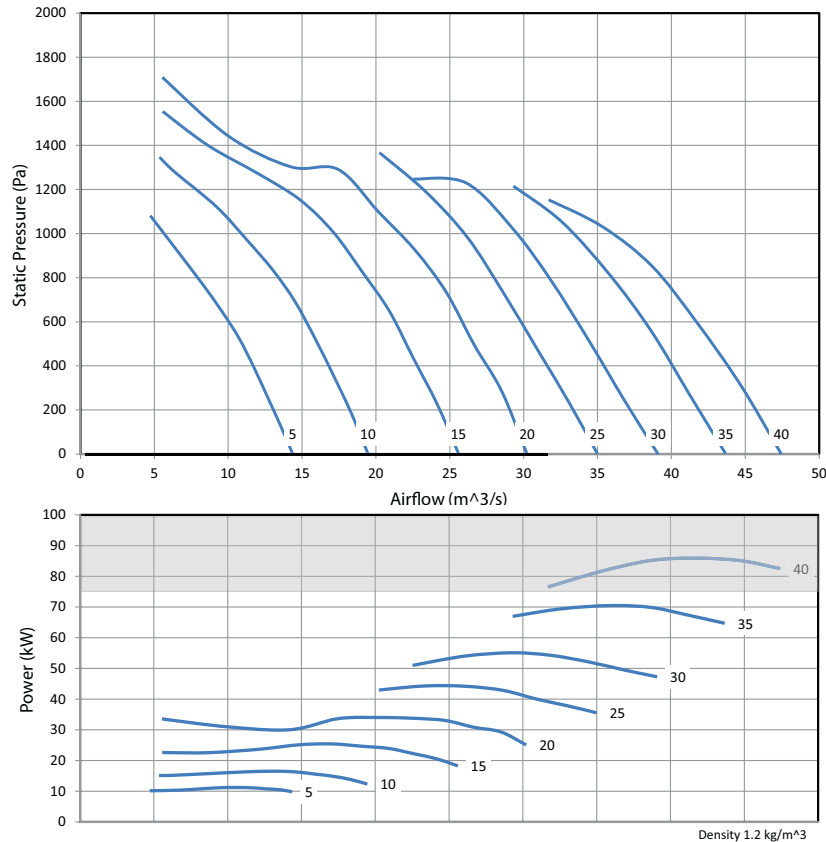


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	40	89	92	99	105	105	101	102	92	109	97.5
	298	89	92	100	108	107	100	99	88	110	98.5
	556	94	98	109	110	103	97	96	87	110	98.5
15°	92	96	98	100	103	102	99	99	91	107	95.5
	459	93	97	99	102	101	99	97	91	106	94.5
	932	107	117	111	107	103	99	94	91	110	98.5
25°	152	105	105	103	102	101	99	96	91	106	94.5
	441	105	105	104	102	101	99	95	91	106	94.5
	817	107	105	103	103	102	100	97	94	107	95.5
35°	267	110	110	103	105	106	103	99	96	110	98.5
	615	109	109	103	105	106	104	99	96	110	98.5
	1103	110	110	105	105	105	104	99	95	110	98.5
40°	232	111	111	106	107	108	106	101	97	112	100.5
	633	110	110	105	106	108	106	101	96	112	100.5
	1097	114	114	107	107	106	104	100	94	111	99.5

RA-1250-630-400-9 (1450 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

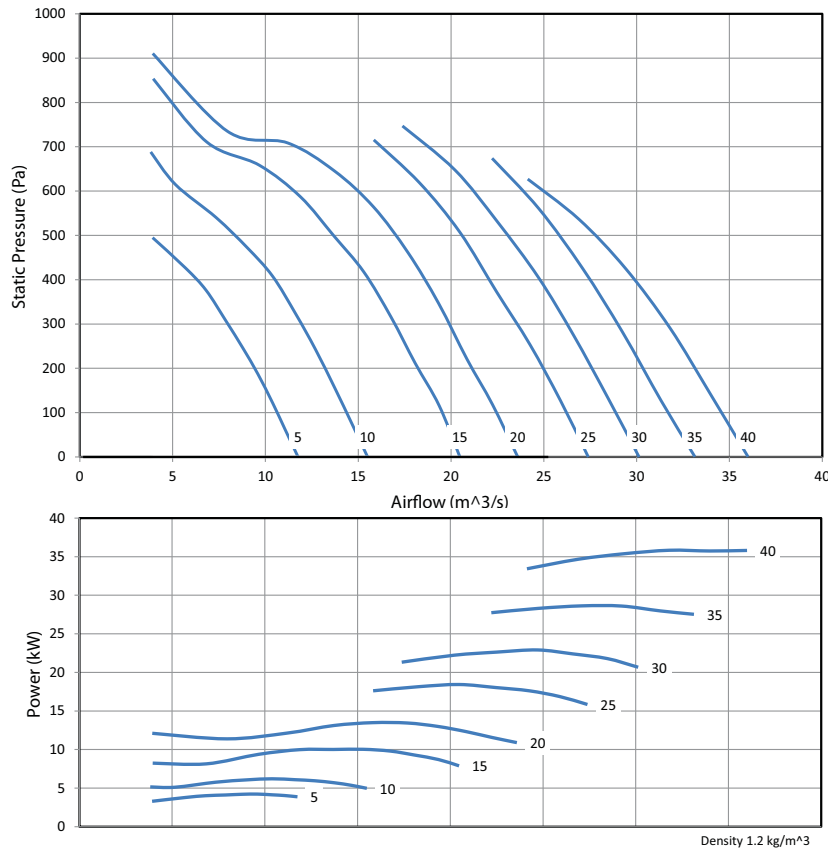


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	28	95	93	102	106	106	103	103	93	111	99.5
	466	94	95	105	110	106	100	99	89	111	99.5
	1043	102	102	105	102	101	97	94	89	105	93.5
15°	81	101	96	104	104	103	101	102	92	109	97.5
	456	96	95	102	104	104	102	100	92	108	96.5
	1085	106	110	114	109	105	100	94	90	111	99.5
25°	210	115	111	103	105	104	102	99	93	109	97.5
	645	101	101	102	105	103	101	98	93	108	96.5
	1072	116	117	119	111	108	104	97	91	115	103.5
35°	266	108	108	106	108	107	104	100	95	112	100.5
	480	105	105	106	109	107	105	100	95	112	100.5
	1066	105	105	107	109	108	106	101	96	112	100.5
40°	324	107	107	108	109	109	106	102	97	113	101.5
	633	106	106	108	108	110	107	102	97	114	102.5
	1252	114	114	111	110	110	107	101	95	114	102.5

RA-1250-630-400-6 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

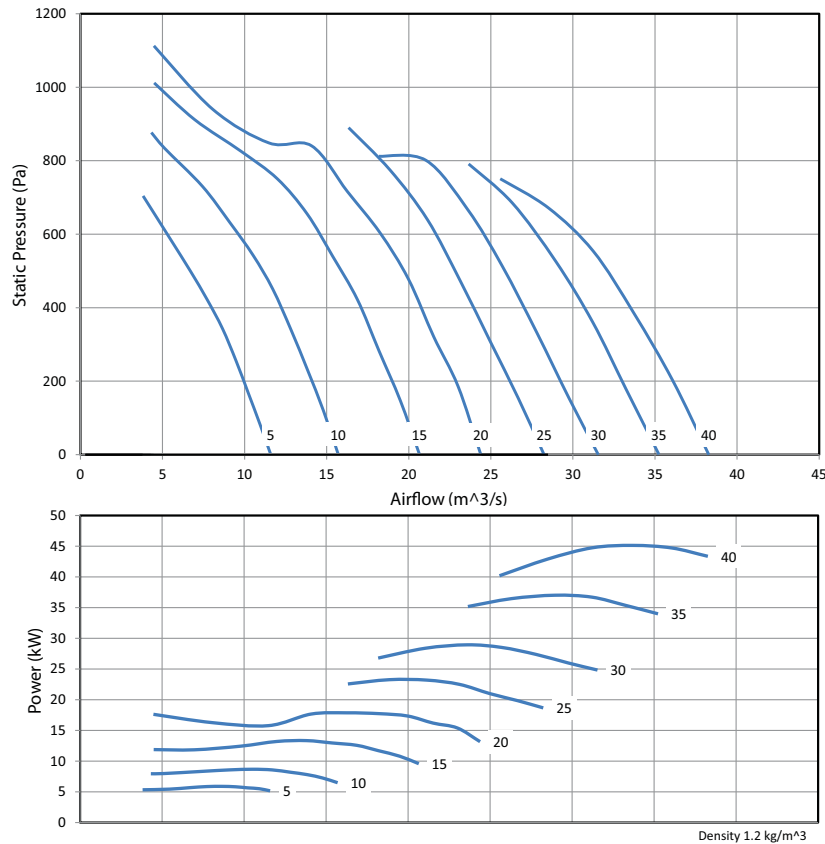


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	26	86	90	96	101	99	96	94	84	104	92.5
	194	85	89	98	103	100	95	91	80	104	92.5
	362	91	97	105	104	97	92	89	79	104	92.5
15°	60	92	93	96	99	96	94	94	83	102	90.5
	299	89	92	96	98	96	94	92	84	101	89.5
	606	103	112	105	101	97	93	88	85	104	92.5
25°	99	100	100	98	98	96	94	90	85	101	89.5
	287	101	100	98	97	96	93	89	85	101	89.5
	532	102	100	98	98	97	95	91	88	102	90.5
35°	174	105	105	99	101	100	97	93	90	105	93.5
	400	104	104	99	101	101	98	93	90	105	93.5
	718	105	105	100	101	100	98	93	90	105	93.5
40°	151	106	106	100	103	103	100	95	91	107	95.5
	412	105	105	100	102	103	100	95	91	107	95.5
	714	109	109	102	102	101	99	94	89	106	94.5

RA-1250-630-400-9 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

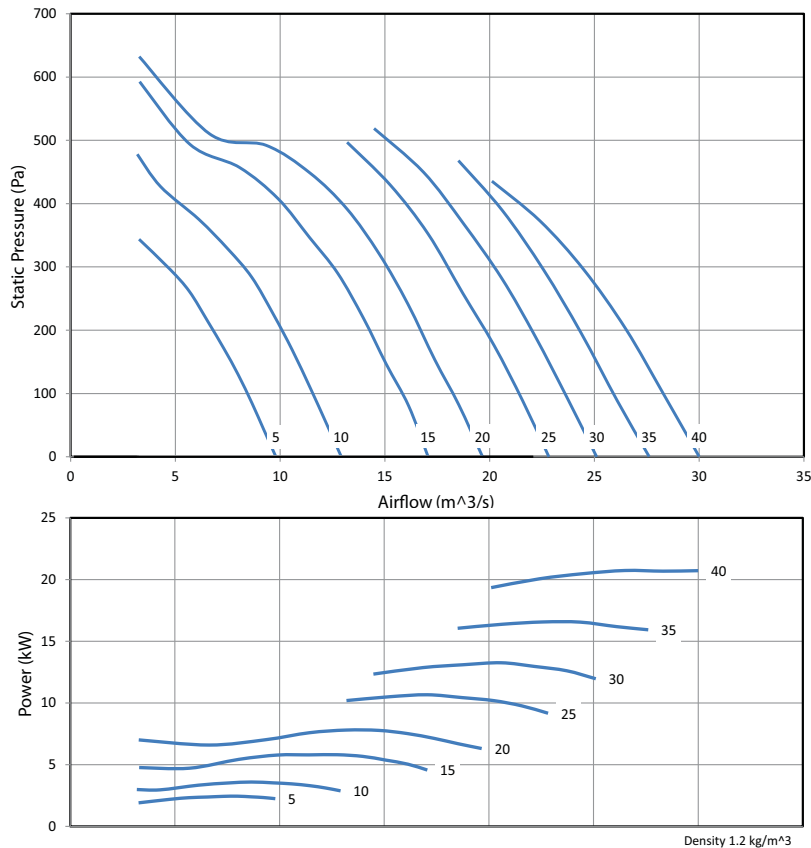


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	18	90	97	98	102	101	98	95	86	105	93.5
	303	90	101	102	104	100	95	91	81	105	93.5
	679	98	100	99	97	95	91	88	82	100	88.5
15°	53	95	99	99	100	98	97	95	84	104	92.5
	297	91	97	97	99	99	97	93	84	103	91.5
	707	102	109	108	103	99	94	88	84	105	93.5
25°	137	110	102	99	100	99	97	93	86	104	92.5
	420	96	96	99	99	98	96	92	86	103	91.5
	698	111	114	110	106	103	97	90	85	108	96.5
35°	173	103	103	102	103	102	98	94	89	106	94.5
	312	101	101	102	104	102	99	94	90	106	94.5
	694	100	102	103	104	102	99	95	91	107	95.5
40°	211	102	103	103	104	104	100	96	91	108	96.5
	412	101	103	103	104	105	100	96	91	108	96.5
	815	109	109	106	106	104	101	95	90	108	96.5

RA-1250-630-400-6 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

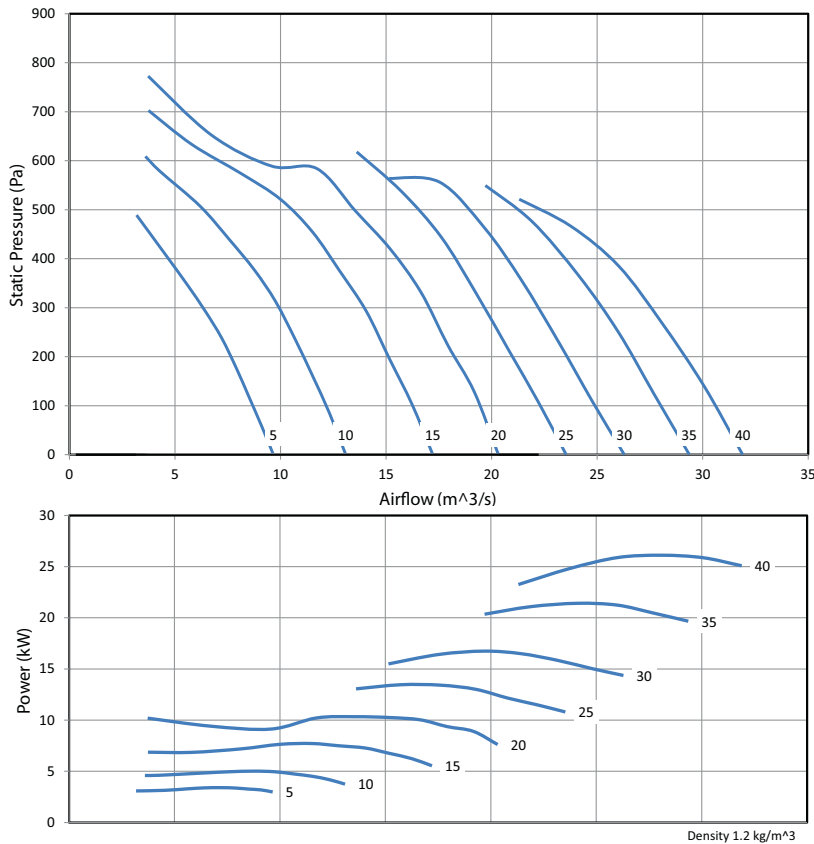


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	18	82	87	94	97	94	93	87	78	99	87.5
	135	82	88	96	99	94	91	84	74	100	88.5
	251	88	96	101	98	91	88	82	73	99	87.5
15°	42	88	90	93	94	92	91	87	76	97	85.5
	208	86	89	92	93	91	89	86	78	96	84.5
	421	102	108	100	96	92	88	84	80	99	87.5
25°	69	96	95	94	94	91	89	85	79	97	85.5
	200	97	96	93	93	91	88	85	80	96	84.5
	370	98	95	94	94	93	90	87	84	98	86.5
35°	121	101	101	96	97	96	92	88	85	100	88.5
	278	100	100	95	97	97	93	89	86	101	89.5
	499	101	101	96	97	96	93	88	85	100	88.5
40°	105	102	102	97	99	98	95	90	87	102	90.5
	286	101	101	97	99	98	95	90	86	102	90.5
	496	105	105	98	98	97	93	88	85	101	89.5

RA-1250-630-400-9 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

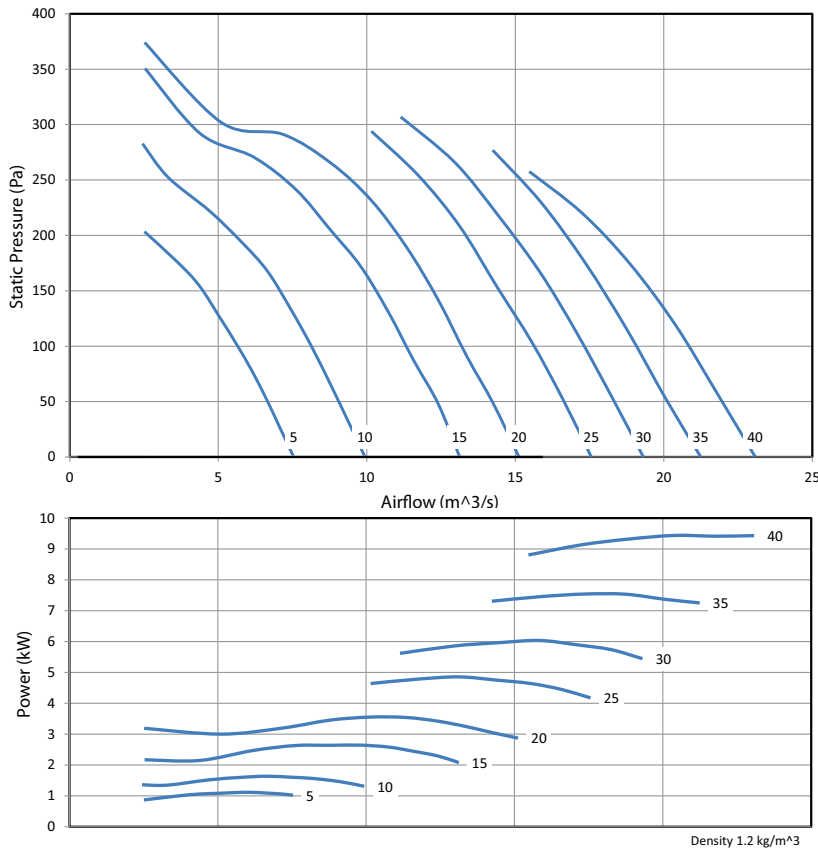


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	13	85	93	96	98	96	94	89	79	101	89.5
	211	86	97	99	99	94	91	84	74	100	88.5
	472	94	96	95	92	90	87	82	77	95	83.5
15°	37	89	95	96	95	94	93	88	77	99	87.5
	206	87	93	94	95	94	92	87	78	99	87.5
	491	100	105	103	98	94	88	83	79	100	88.5
25°	95	106	95	96	96	94	93	87	81	99	87.5
	292	92	93	96	95	93	92	86	81	98	86.5
	485	107	110	104	101	97	92	84	80	103	91.5
35°	120	99	98	99	99	97	93	88	84	101	89.5
	217	97	97	99	99	97	93	89	85	102	90.5
	482	96	98	99	99	98	94	90	86	102	90.5
40°	147	98	99	100	100	99	95	91	86	103	91.5
	286	97	99	100	101	100	95	90	87	104	92.5
	566	105	104	102	101	99	95	89	85	104	92.5

RA-1250-630-400-6 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

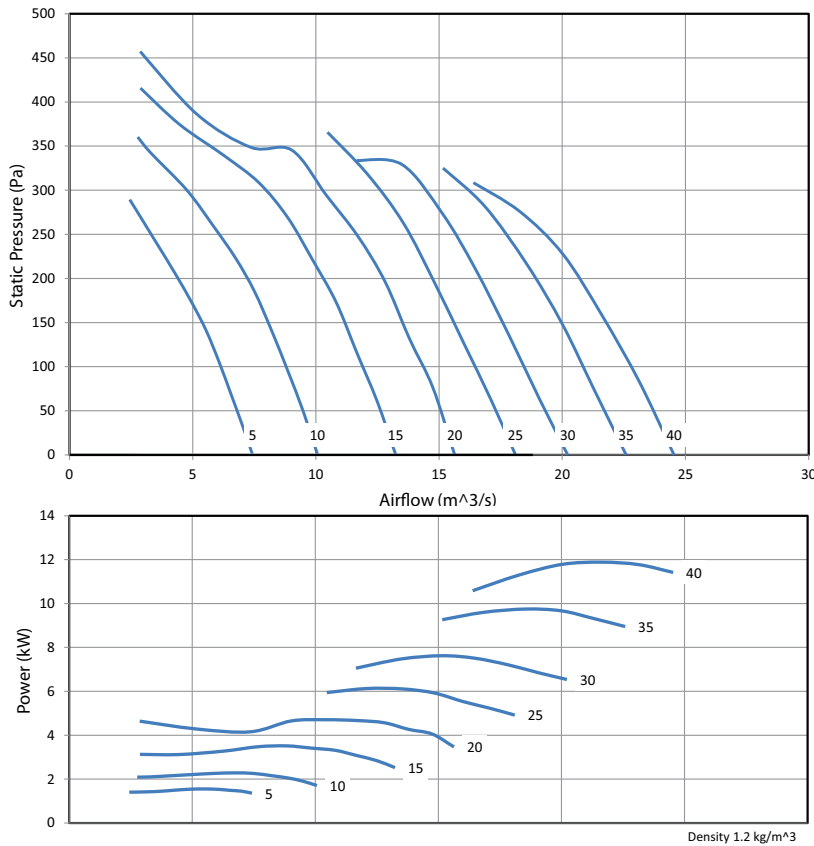


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Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	9	74	81	88	88	83	84	75	65	90	78.5
	64	74	82	90	90	83	82	71	61	90	78.5
	119	81	91	93	86	80	79	70	60	88	76.5
15°	20	80	82	85	84	82	82	74	63	87	75.5
	99	79	81	84	84	81	80	74	66	87	75.5
	200	99	94	89	86	81	77	73	70	88	76.5
25°	33	87	86	85	84	82	79	74	68	86	74.5
	95	88	86	84	84	81	78	74	70	86	74.5
	175	88	85	85	85	83	80	76	73	88	76.5
35°	57	92	86	88	88	86	82	78	75	90	78.5
	132	91	85	87	88	87	82	78	76	91	79.5
	237	92	87	88	88	87	82	77	76	91	79.5
40°	50	93	88	89	90	88	84	79	77	93	81.5
	136	92	88	89	90	89	84	79	77	93	81.5
	235	96	90	89	89	87	82	77	76	91	79.5

RA-1250-630-400-9 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

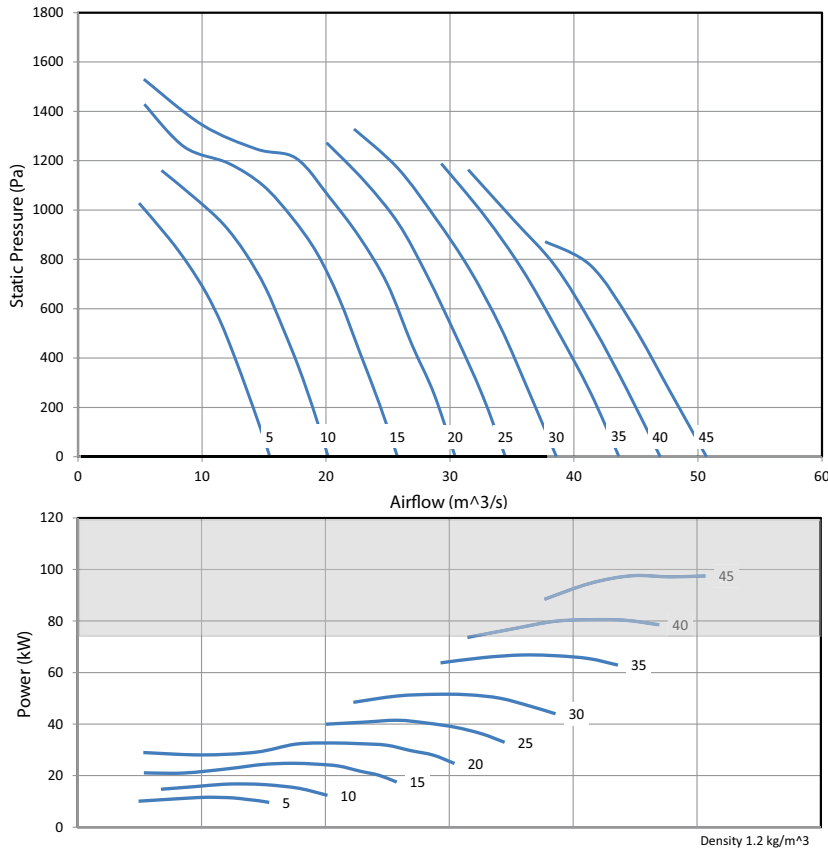


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	7	79	87	92	92	89	88	79	70	94	82.5
	125	80	91	95	92	86	84	75	65	93	81.5
	279	88	91	88	86	83	80	75	69	88	76.5
15°	22	82	90	90	89	87	87	79	68	93	81.5
	122	81	87	89	89	88	86	78	68	92	80.5
	290	96	99	95	91	86	80	76	71	93	81.5
25°	56	97	88	91	90	88	85	79	73	93	81.5
	172	87	88	90	89	87	84	78	74	92	80.5
	287	102	104	97	94	90	83	77	73	96	84.5
35°	71	94	92	94	93	90	86	81	77	95	83.5
	128	91	92	94	93	90	86	81	78	95	83.5
	285	91	93	94	93	91	87	82	79	96	84.5
40°	87	93	94	94	95	92	88	83	79	97	85.5
	169	91	94	94	96	93	88	83	80	97	85.5
	335	100	97	96	95	92	87	81	78	97	85.5

RA-1250-630-533-8 (1450 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	40	92	99	103	104	104	100	100	93	108	96.5
	624	95	99	104	105	107	100	97	90	109	97.5
	1236	100	102	109	105	101	94	90	86	106	94.5
15°	95	101	100	104	106	102	100	98	94	108	96.5
	912	102	103	104	103	99	96	93	90	105	93.5
	1510	112	111	110	109	104	99	94	91	110	98.5
25°	169	110	108	105	108	104	100	97	93	109	97.5
	604	109	108	106	107	102	97	93	89	108	96.5
	1491	109	109	107	106	103	98	92	89	108	96.5
35°	272	103	110	112	109	105	100	96	91	111	99.5
	599	99	109	112	108	105	99	95	90	110	98.5
	1505	105	114	117	108	105	100	95	91	112	100.5
45°	363	117	117	117	112	110	105	100	95	115	103.5
	889	116	116	116	111	109	104	98	94	114	102.5
	1505	122	122	122	111	108	103	98	93	116	104.5



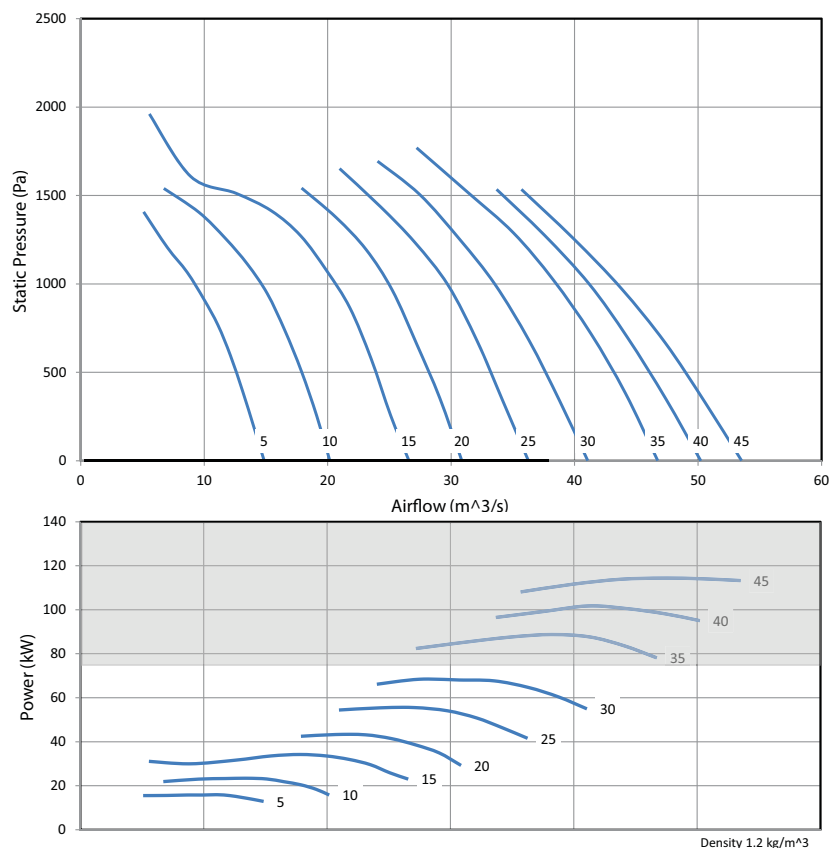
Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.



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RA-1250-630-533-12 (1450 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).



Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

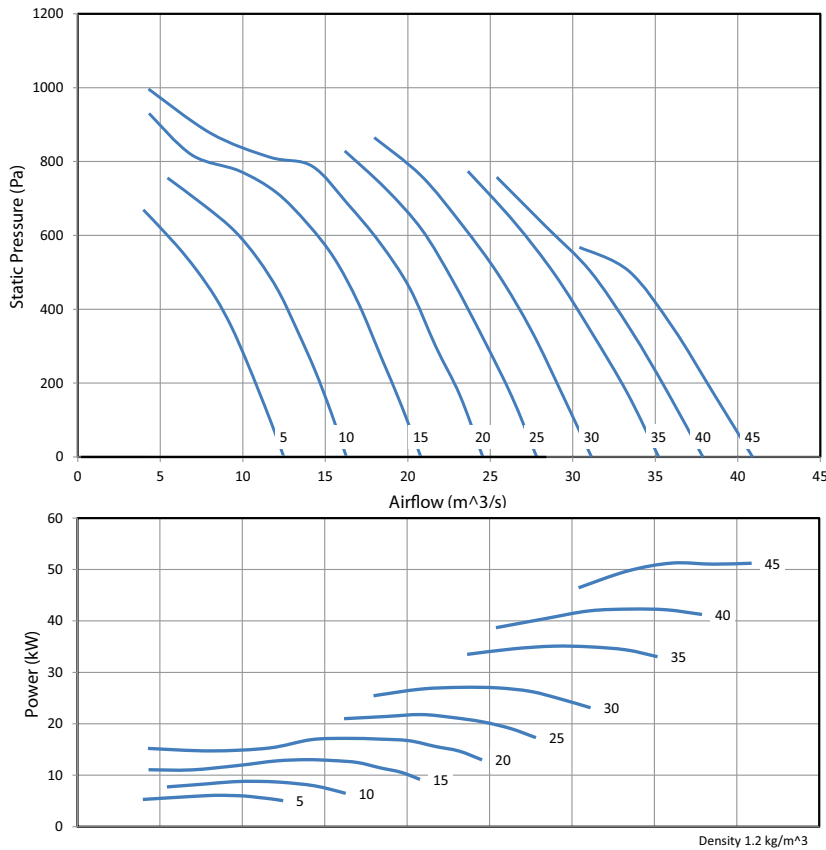


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Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	28	92	96	105	106	106	102	101	94	110	98.5
	928	94	98	105	105	107	99	96	89	109	97.5
	1565	99	98	110	104	101	96	90	87	107	95.5
15°	97	95	97	105	105	103	101	100	94	109	97.5
	955	98	100	105	104	102	98	95	92	107	95.5
	1802	105	110	112	110	105	99	93	90	110	98.5
25°	163	100	101	106	106	105	102	99	94	109	97.5
	928	102	102	105	104	102	98	95	91	107	95.5
	1877	107	107	108	107	103	98	93	89	108	96.5
35°	340	100	106	108	108	107	102	98	92	111	99.5
	711	100	106	108	107	107	101	96	90	110	98.5
	1885	94	108	111	107	104	98	92	89	109	97.5
45°	375	115	115	113	112	111	107	102	97	115	103.5
	687	112	112	112	111	111	106	102	96	114	102.5
	1520	112	112	111	110	110	104	100	95	113	101.5

RA-1250-630-533-8 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

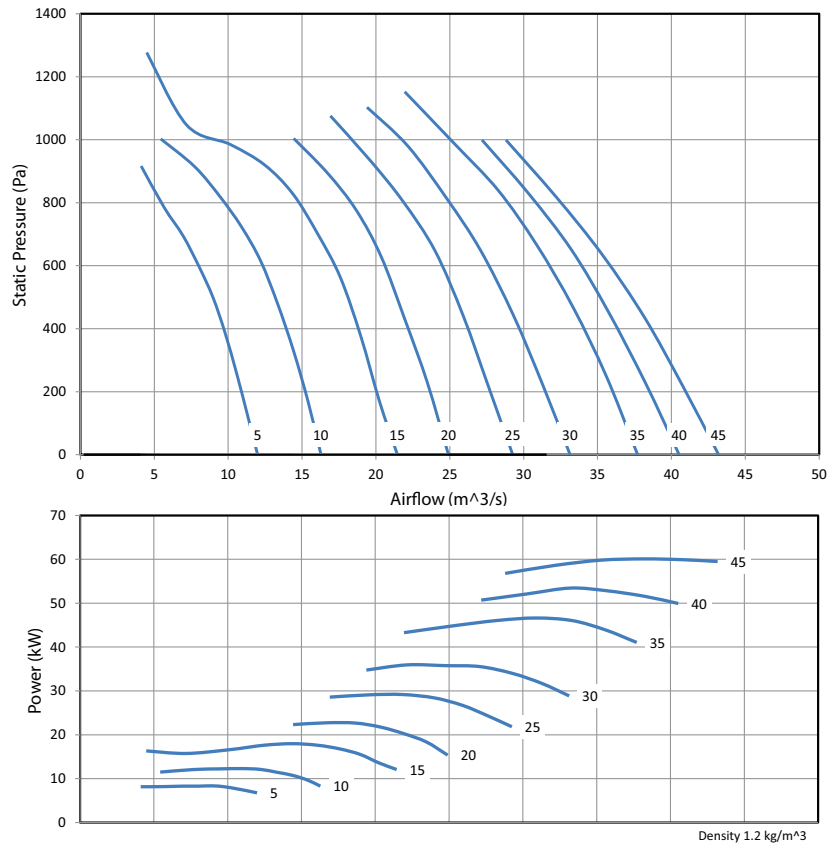


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	26	90	99	99	100	98	95	94	86	103	91.5
	406	91	99	100	101	100	94	90	83	104	92.5
	805	96	104	103	99	94	88	84	81	100	88.5
15°	62	96	95	102	100	97	94	93	87	103	91.5
	594	97	99	100	97	93	90	87	85	99	87.5
	983	107	105	106	103	98	92	88	87	104	92.5
25°	110	106	102	102	102	98	95	91	88	104	92.5
	393	105	102	102	101	96	91	87	85	102	90.5
	971	105	103	102	101	97	91	86	85	102	90.5
35°	177	101	107	101	99	94	91	87	87	101	89.5
	390	98	107	99	97	92	89	85	86	99	87.5
	980	103	112	100	98	94	90	86	87	101	89.5
45°	236	113	113	107	107	104	99	94	90	109	97.5
	579	112	112	106	106	103	97	92	88	108	96.5
	980	117	117	108	105	102	97	92	87	108	96.5

RA-1250-630-533-12 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

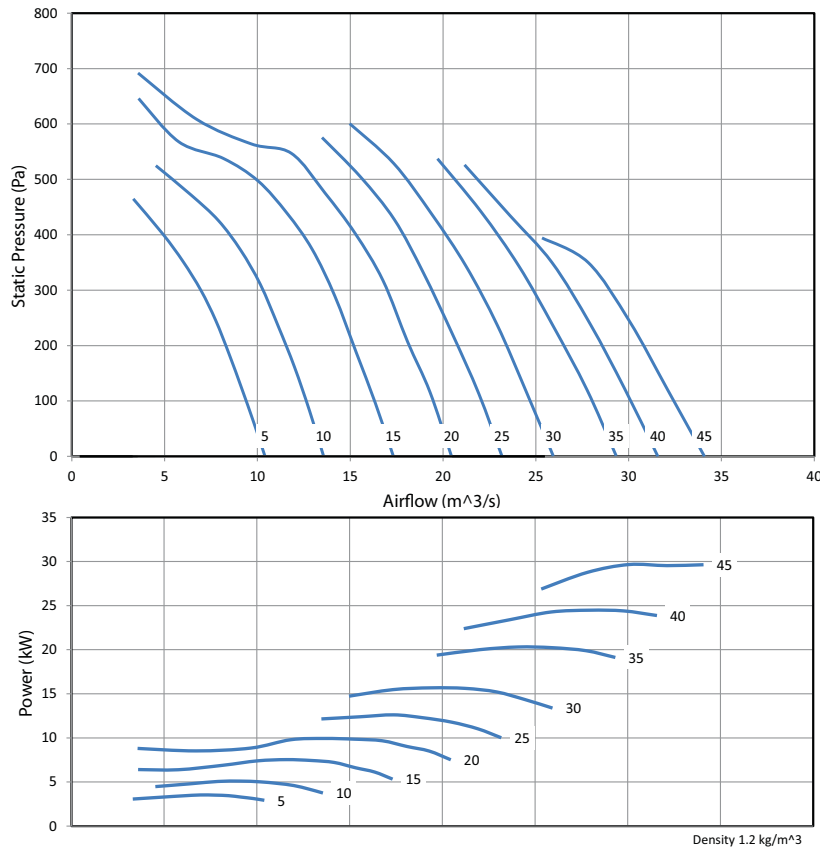


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	18	89	94	101	101	100	97	95	87	104	92.5
	604	90	95	101	101	100	94	89	82	103	91.5
	1019	94	97	105	99	95	89	85	82	101	89.5
15°	63	90	93	101	100	98	95	95	87	103	91.5
	622	93	96	101	99	96	93	90	86	101	89.5
	1173	100	107	107	104	99	92	87	85	105	93.5
25°	106	96	98	101	101	99	96	93	88	104	92.5
	604	97	98	100	99	96	93	89	86	101	89.5
	1222	103	103	103	101	97	92	87	85	102	90.5
35°	221	97	99	103	100	96	92	87	88	102	90.5
	463	97	99	103	100	95	90	86	86	101	89.5
	1227	94	97	106	95	90	85	82	85	100	88.5
45°	244	110	110	107	107	106	100	97	90	110	98.5
	447	107	107	107	106	106	99	96	90	109	97.5
	989	107	107	106	105	105	97	95	89	108	96.5

RA-1250-630-533-8 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

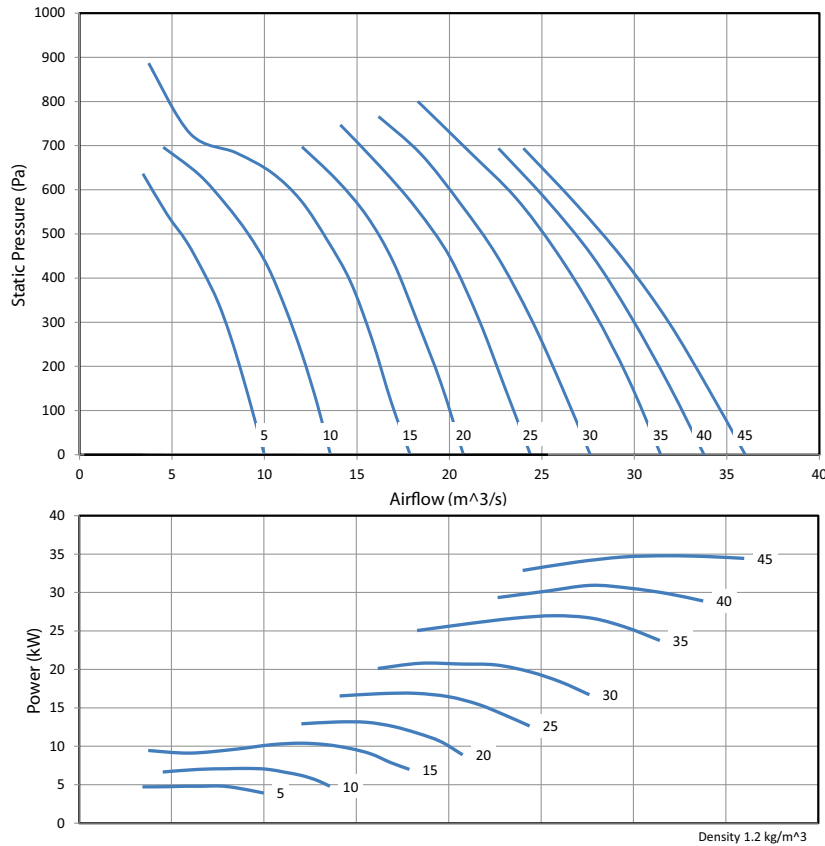


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	18	87	95	95	96	93	92	88	80	98	86.5
	282	89	95	96	97	94	90	84	77	99	87.5
	559	93	100	98	94	88	83	79	76	95	83.5
15°	43	92	92	98	95	92	90	89	82	98	86.5
	412	93	95	96	92	88	85	82	80	94	82.5
	683	103	101	102	98	93	87	83	83	99	87.5
25°	76	102	96	100	97	93	90	86	83	99	87.5
	273	101	97	99	96	91	86	81	81	97	85.5
	674	101	98	98	96	91	86	81	81	97	85.5
35°	123	99	103	98	96	91	87	83	83	97	85.5
	271	96	103	97	94	89	85	81	82	96	84.5
	680	102	108	98	95	90	86	82	83	98	86.5
45°	164	109	109	103	102	99	94	89	86	104	92.5
	402	108	108	102	101	98	92	87	84	103	91.5
	680	113	113	103	100	97	92	87	83	103	91.5

RA-1250-630-533-12 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

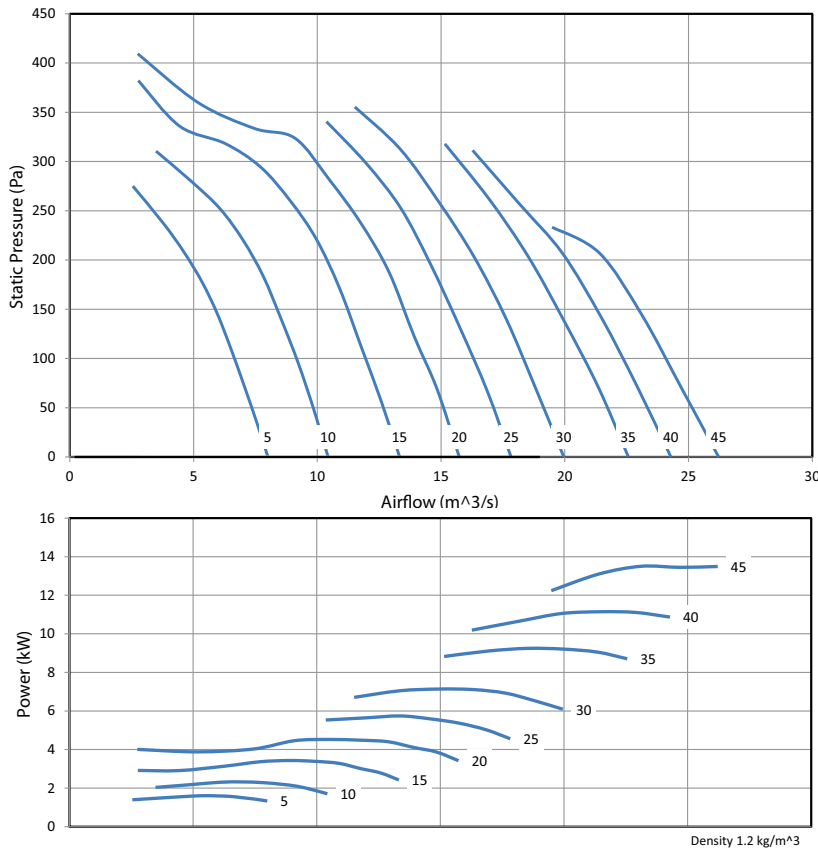


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	13	86	93	97	97	95	93	89	81	100	88.5
	420	87	93	97	98	94	89	83	76	99	87.5
	708	90	96	101	94	89	84	80	77	97	85.5
15°	44	87	91	97	96	94	91	89	81	99	87.5
	432	90	93	97	94	91	88	85	81	97	85.5
	815	98	104	103	98	93	86	82	81	100	88.5
25°	74	92	96	97	97	94	92	87	83	99	87.5
	420	93	95	96	95	91	88	84	82	97	85.5
	849	99	99	99	96	92	87	82	81	98	86.5
35°	154	95	96	99	96	92	89	83	84	98	86.5
	321	95	96	99	97	91	87	82	82	98	86.5
	852	93	96	102	92	87	82	79	82	96	84.5
45°	169	106	106	103	103	101	95	91	86	105	93.5
	310	104	103	103	102	100	94	91	85	104	92.5
	687	103	103	102	101	99	92	90	84	103	91.5

RA-1250-630-533-8 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

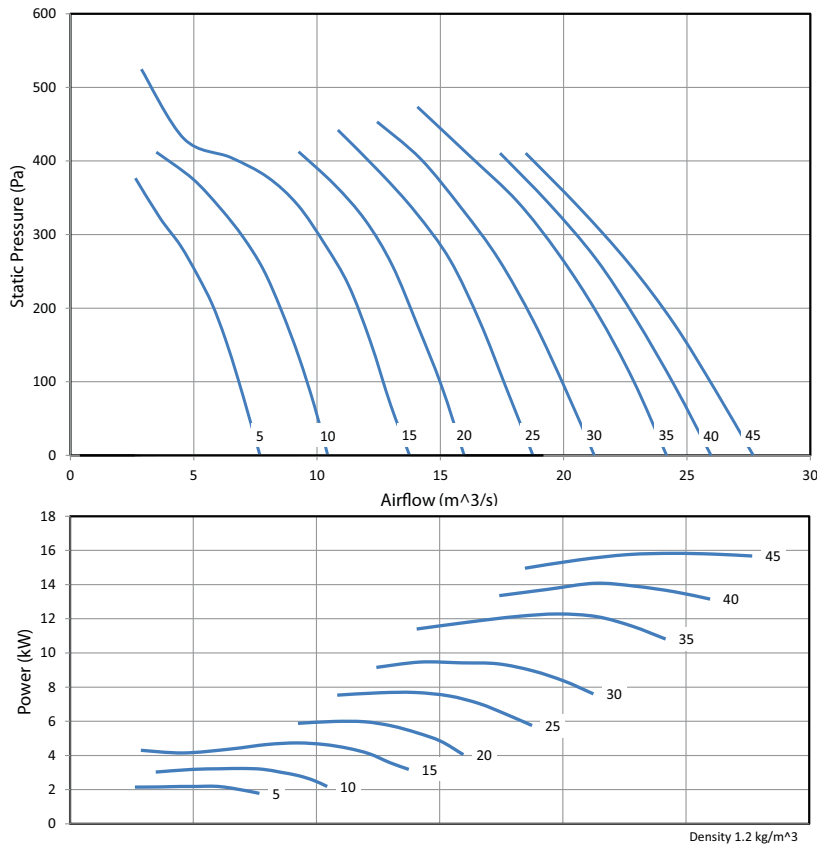


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	11	84	89	90	90	86	86	79	72	92	80.5
	167	84	90	91	92	86	83	76	68	92	80.5
	331	88	94	91	87	80	76	72	69	88	76.5
15°	25	86	89	91	88	86	84	80	73	91	79.5
	244	88	90	88	85	82	79	76	73	88	76.5
	404	96	96	95	90	85	79	77	77	92	80.5
25°	45	94	91	93	90	86	83	79	76	92	80.5
	162	94	91	93	88	83	79	75	75	90	78.5
	399	94	92	92	89	84	78	75	76	90	78.5
35°	73	96	98	94	91	86	82	77	77	92	80.5
	160	94	98	94	90	84	80	76	77	92	80.5
	403	100	103	94	90	85	81	77	78	93	81.5
45°	97	103	103	98	96	91	86	81	80	97	85.5
	238	102	102	97	95	90	84	80	79	96	84.5
	403	108	108	96	93	89	84	79	77	97	85.5

RA-1250-630-533-12 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

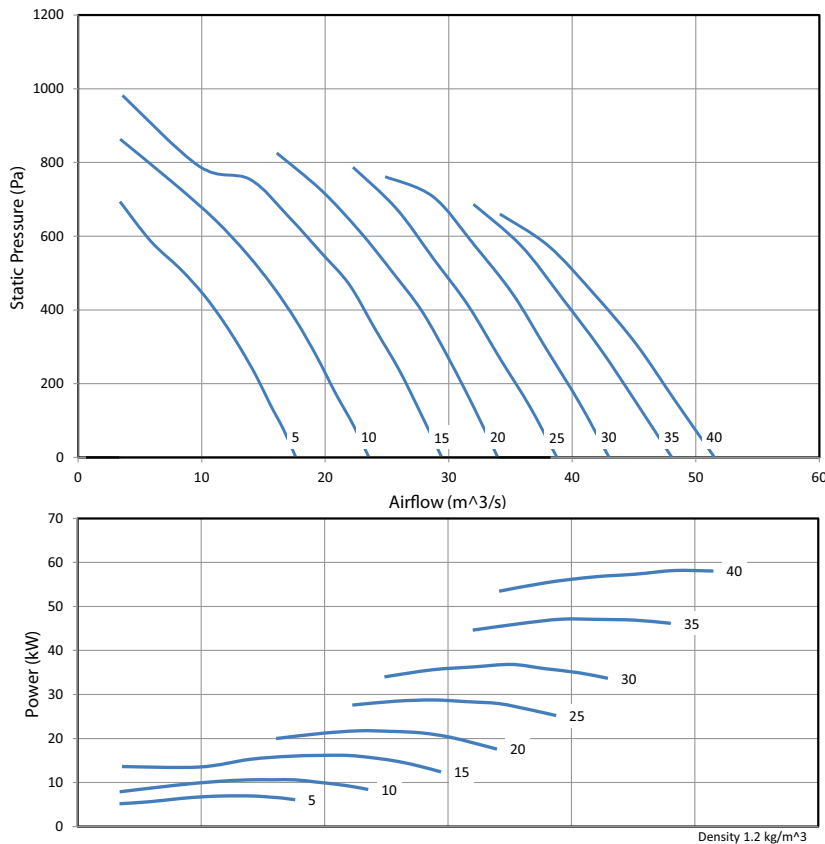


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	7	82	91	91	91	88	87	80	73	94	82.5
	248	83	91	91	92	85	82	75	67	92	80.5
	419	84	96	90	87	82	76	73	70	88	76.5
15°	26	83	91	91	89	87	85	80	72	92	80.5
	255	85	91	90	87	84	81	78	74	90	78.5
	482	95	98	95	91	85	79	76	75	92	80.5
25°	44	87	91	92	91	87	85	79	77	93	81.5
	248	88	91	90	88	84	81	76	77	90	78.5
	502	93	93	92	89	84	79	75	76	90	78.5
35°	91	92	94	93	92	87	84	78	78	93	81.5
	190	91	94	93	92	86	81	76	77	92	80.5
	504	93	97	92	89	83	78	74	77	90	78.5
45°	100	101	99	97	97	93	88	83	80	98	86.5
	184	98	97	97	96	92	87	82	79	97	85.5
	407	97	97	96	96	90	86	81	79	96	84.5

RA-1400-630-400-6 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

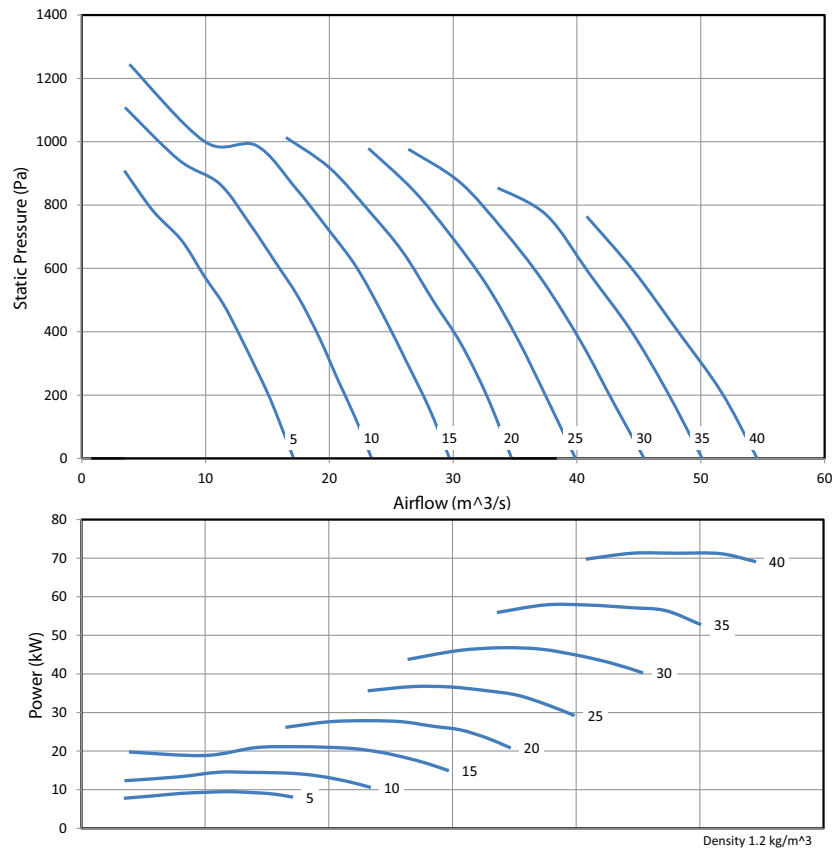


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	33	89	93	100	104	103	100	97	88	107	95.5
	243	89	93	101	106	104	99	95	84	108	96.5
	454	94	101	108	107	100	96	92	83	107	95.5
15°	75	95	97	99	102	99	98	97	86	105	93.5
	375	92	96	99	101	99	97	95	87	104	92.5
	761	107	116	108	105	101	96	92	89	107	95.5
25°	124	104	103	102	101	99	97	93	88	104	92.5
	360	104	104	101	101	99	96	93	89	104	92.5
	668	106	103	102	101	101	98	95	92	105	93.5
35°	218	108	108	103	104	104	101	97	93	108	96.5
	502	108	108	102	104	104	102	97	94	108	96.5
	901	109	109	104	104	104	102	97	93	108	96.5
40°	189	109	109	104	106	106	104	98	95	110	98.5
	517	109	109	104	106	106	104	98	94	110	98.5
	896	112	112	105	106	105	102	97	92	109	97.5

RA-1400-630-400-9 (1170 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

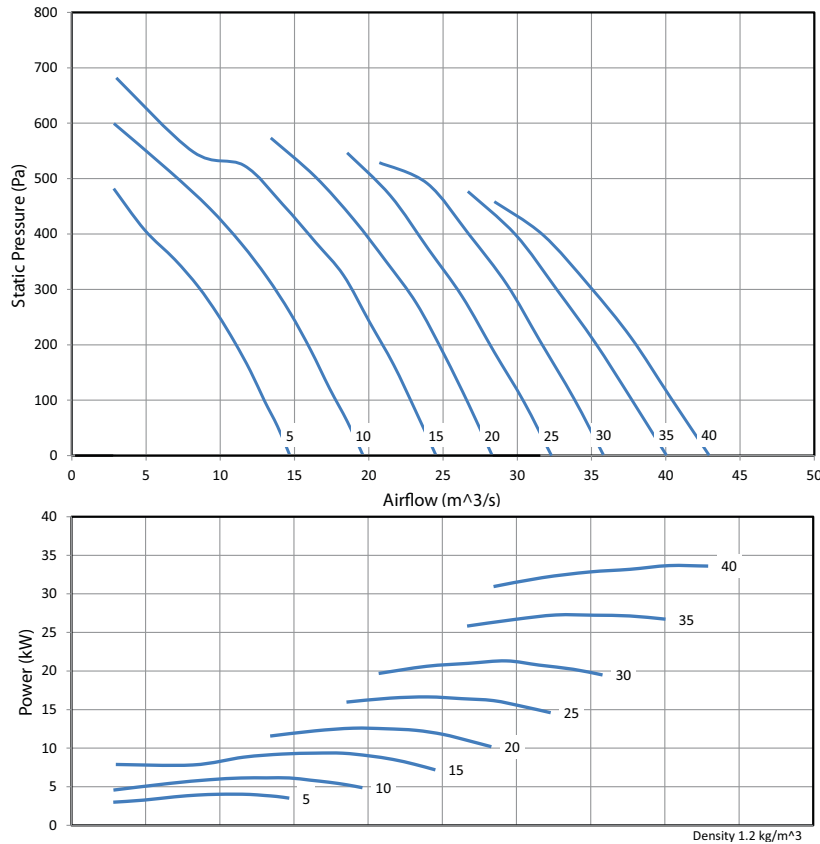


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	23	93	100	102	105	104	102	99	89	109	97.5
	507	95	108	108	107	101	97	92	82	107	95.5
	852	101	104	103	100	98	95	91	86	103	91.5
15°	66	98	103	103	103	101	100	99	88	107	95.5
	505	95	102	102	106	104	101	97	88	109	97.5
	887	106	112	112	107	102	97	92	87	109	97.5
25°	171	114	106	103	104	102	101	96	90	107	95.5
	527	100	100	102	103	101	99	95	90	106	94.5
	875	115	117	113	109	106	101	94	88	112	100.5
35°	218	107	106	105	107	105	102	97	92	110	98.5
	392	104	105	105	107	105	102	97	93	110	98.5
	870	104	106	106	107	106	103	98	94	110	98.5
40°	265	106	107	107	108	108	104	99	95	111	99.5
	517	105	107	107	108	108	104	99	95	112	100.5
	1022	113	112	109	109	108	104	98	93	112	100.5

RA-1400-630-400-6 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

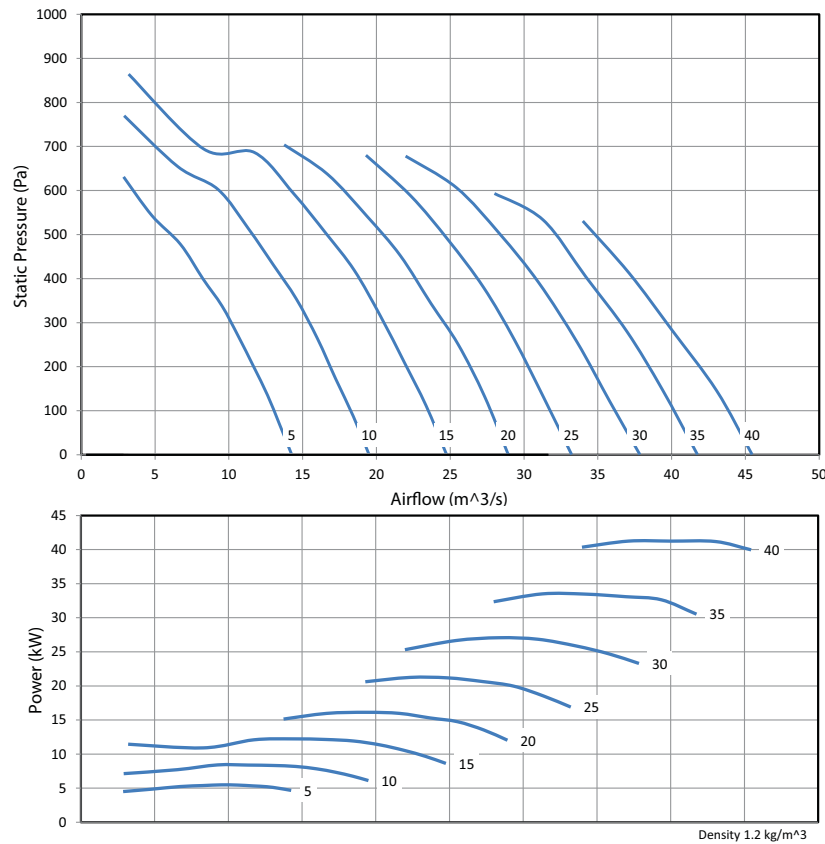


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	23	86	91	98	100	97	96	91	81	103	91.5
	169	86	91	99	102	98	94	88	77	103	91.5
	315	91	99	105	101	95	92	86	76	102	90.5
15°	52	92	94	96	98	95	94	90	79	101	89.5
	261	89	93	96	97	95	93	89	81	100	88.5
	528	105	112	103	100	96	91	87	84	102	90.5
25°	86	100	99	97	97	95	93	88	83	100	88.5
	250	100	100	97	97	95	92	88	84	100	88.5
	463	102	98	98	98	97	93	90	87	101	89.5
35°	151	104	104	99	100	99	96	92	89	104	92.5
	349	104	104	99	100	100	96	92	89	104	92.5
	625	105	105	100	100	100	96	91	89	104	92.5
40°	132	105	105	101	102	102	98	93	90	106	94.5
	359	105	105	100	102	102	98	93	90	106	94.5
	622	108	108	101	102	100	97	92	88	105	93.5

RA-1400-630-400-9 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

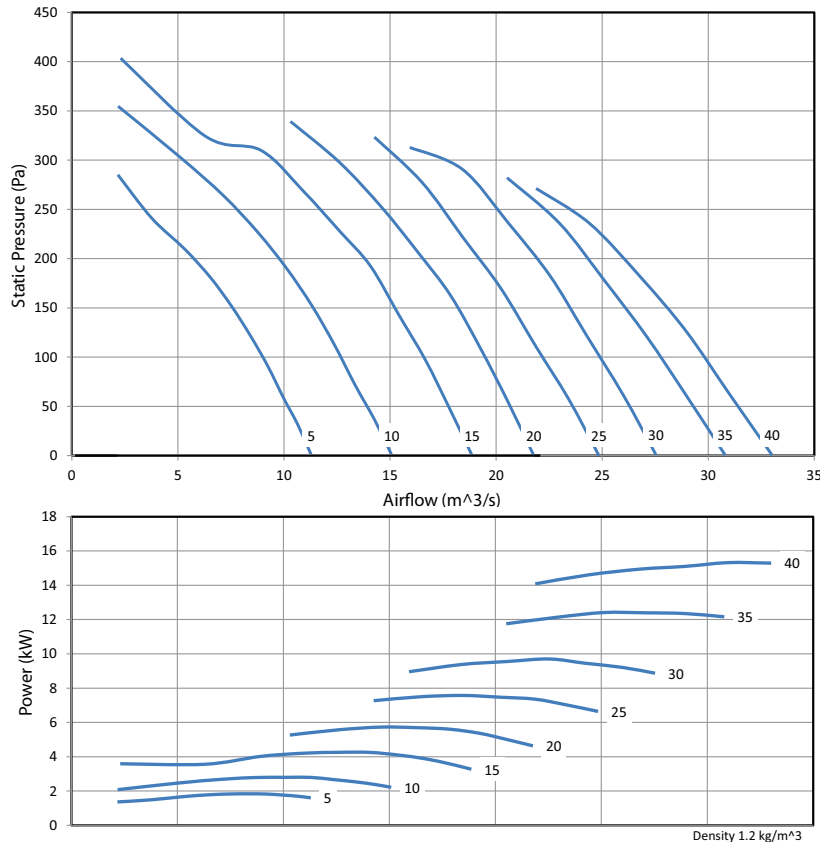


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	16	89	97	99	101	99	98	92	83	104	92.5
	352	92	104	104	101	96	92	86	76	102	90.5
	592	97	100	98	96	93	90	86	80	99	87.5
15°	46	93	99	99	99	97	96	92	81	102	90.5
	351	91	98	100	102	99	96	90	82	104	92.5
	616	103	108	106	102	97	92	87	82	103	91.5
25°	119	110	98	99	99	98	97	90	84	103	91.5
	366	96	96	99	99	97	95	90	85	102	90.5
	608	111	113	108	105	101	95	88	83	107	95.5
35°	151	103	102	102	103	101	97	92	87	105	93.5
	272	100	101	102	103	101	97	92	88	105	93.5
	604	100	102	103	103	101	98	93	89	106	94.5
40°	184	102	103	103	104	103	99	94	90	107	95.5
	359	101	103	103	104	103	99	94	90	107	95.5
	710	109	107	105	105	103	99	93	88	107	95.5

RA-1400-630-400-6 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

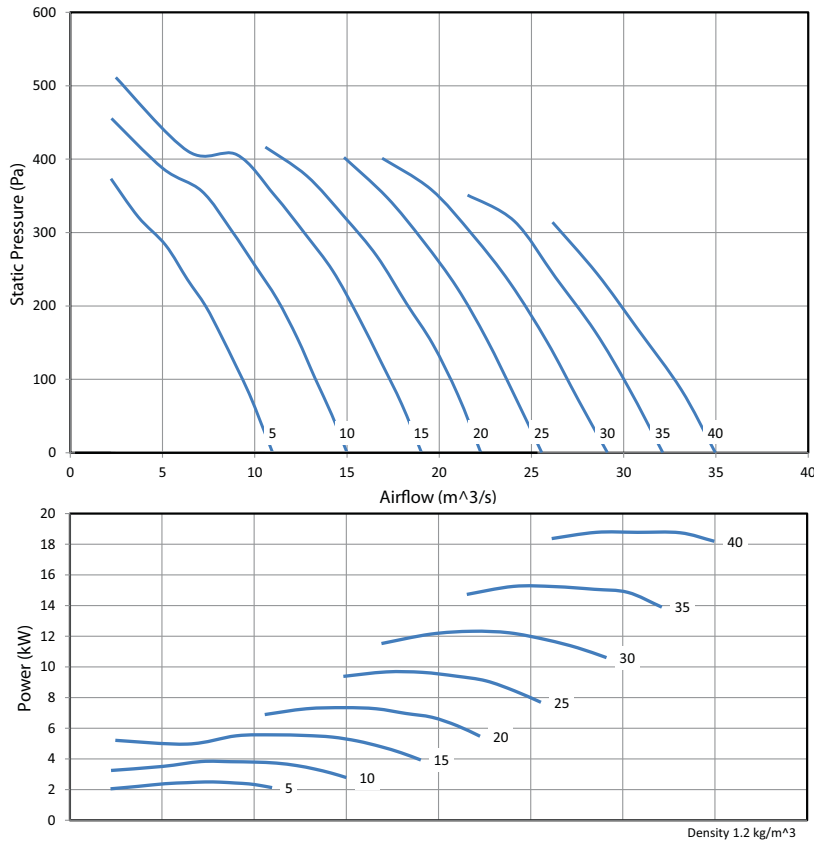


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Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	13	81	88	94	94	90	91	82	72	96	84.5
	100	81	89	97	96	89	88	78	67	97	85.5
	187	88	98	100	93	87	86	76	67	95	83.5
15°	31	87	89	92	91	89	89	80	69	94	82.5
	154	86	88	91	90	88	87	81	73	93	81.5
	313	106	101	96	93	88	84	80	77	95	83.5
25°	51	94	92	92	91	88	85	80	75	93	81.5
	148	94	93	91	90	88	85	81	76	93	81.5
	274	95	92	92	92	90	86	83	80	94	82.5
35°	90	99	92	94	95	93	88	85	82	97	85.5
	206	98	92	94	95	94	89	85	83	98	86.5
	370	99	94	94	95	94	89	84	83	98	86.5
40°	78	100	95	96	97	95	91	86	83	99	87.5
	213	99	95	95	97	95	91	86	83	99	87.5
	368	103	97	96	96	94	89	84	83	98	86.5

RA-1400-630-400-9 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

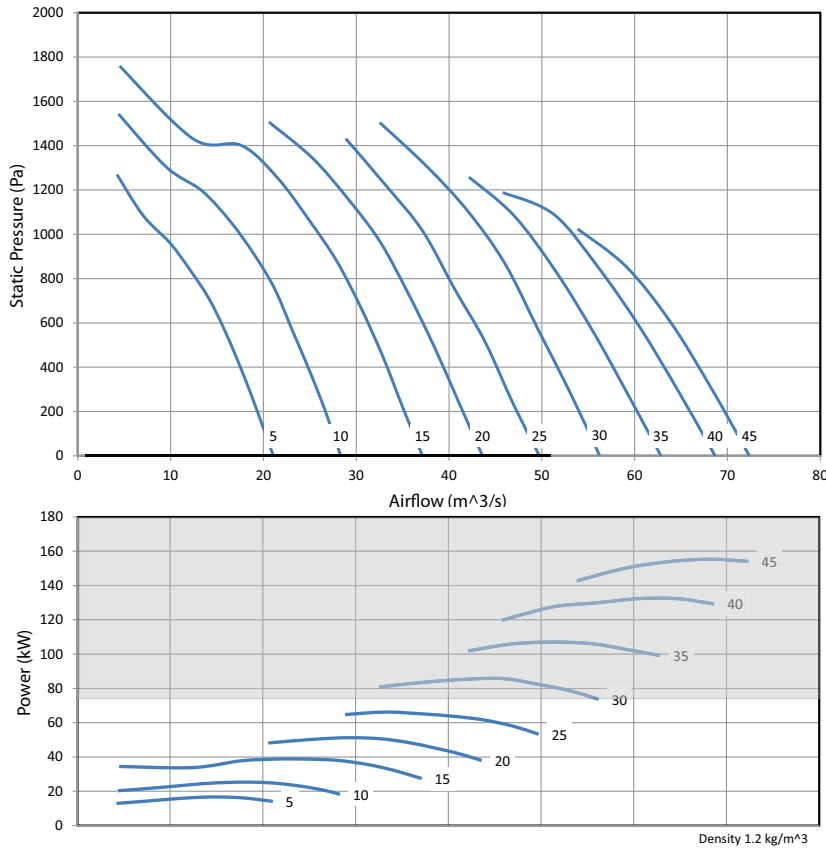


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Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	9	82	91	95	95	92	92	83	73	98	86.5
	208	88	98	99	93	88	86	76	66	95	83.5
	350	91	94	91	90	86	83	78	73	92	80.5
15°	27	85	93	94	92	91	91	82	71	96	84.5
	207	85	92	96	95	93	89	81	73	97	85.5
	364	99	103	99	94	89	84	79	75	96	84.5
25°	70	100	92	94	93	91	89	82	77	96	84.5
	216	90	91	94	92	90	88	82	77	95	83.5
	360	106	108	101	98	93	87	80	76	99	87.5
35°	89	97	95	97	97	94	89	84	80	98	86.5
	161	94	95	98	97	94	89	85	81	99	87.5
	358	94	96	98	97	95	90	86	82	99	87.5
45°	109	96	97	98	98	96	91	87	83	100	88.5
	213	95	97	98	99	96	91	87	83	100	88.5
	420	103	100	99	99	96	91	85	82	100	88.5

RA-1400-630-533-8 (1450 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	51	96	102	107	108	108	103	104	97	112	100.5
	783	98	102	107	108	110	104	100	93	113	101.5
	1550	104	106	112	108	105	97	93	90	110	98.5
15°	119	104	104	107	109	106	103	102	98	111	99.5
	795	105	105	107	107	103	100	98	96	109	97.5
	1894	115	114	114	112	108	102	97	95	113	101.5
25°	212	114	112	109	111	107	104	100	97	113	101.5
	758	113	111	109	110	106	101	96	93	111	99.5
	1870	113	112	110	110	106	101	95	93	111	99.5
35°	341	107	114	116	112	109	103	100	95	114	102.5
	751	103	112	115	112	108	102	98	94	113	101.5
	1888	109	118	120	112	108	103	98	95	115	103.5
45°	455	121	121	121	115	113	109	104	99	118	106.5
	1115	120	120	120	114	112	107	102	97	117	105.5
	1888	125	125	125	114	111	107	102	97	120	108.5



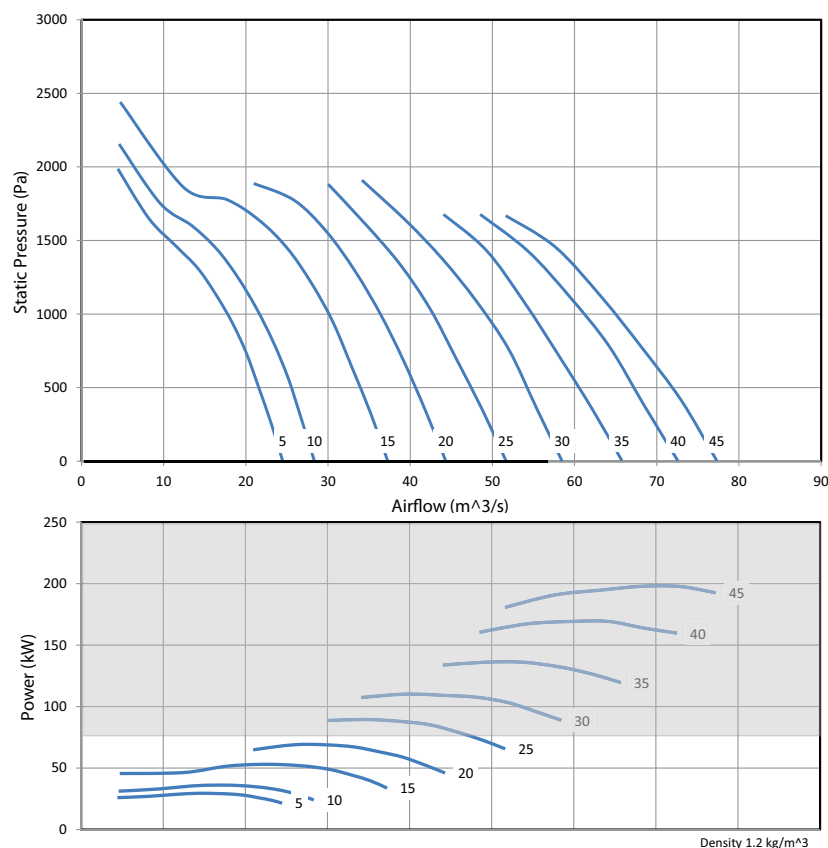
Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.



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RA-1400-630-533-12 (1450 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).



Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

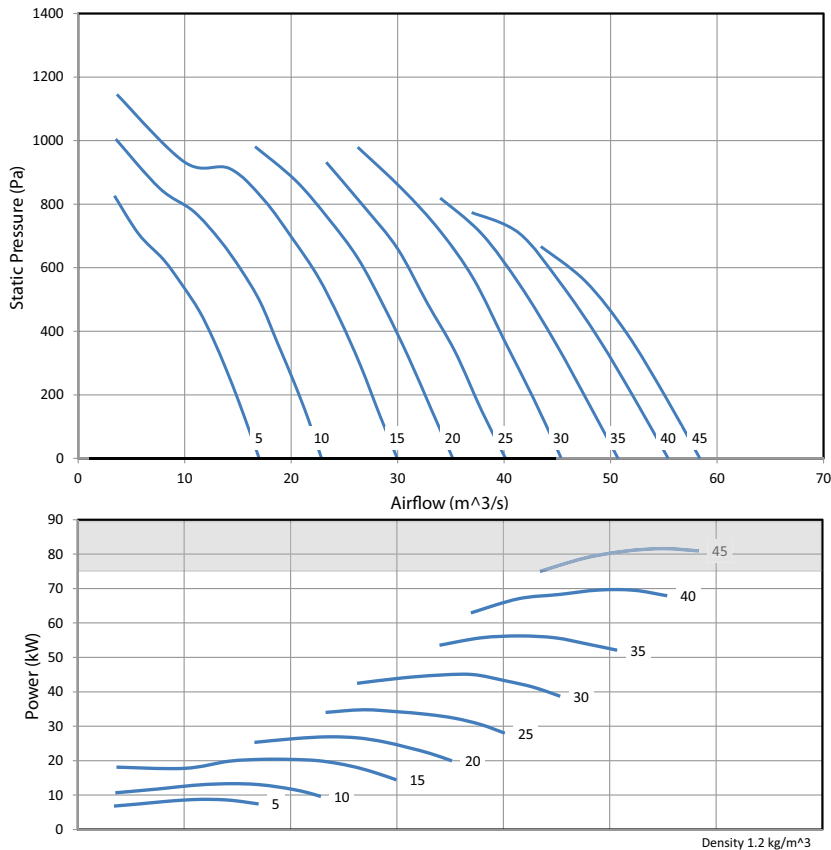


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Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	35	95	100	108	109	109	105	105	98	113	101.5
	802	95	100	108	108	109	104	102	94	113	101.5
	1963	103	101	114	108	104	99	94	91	110	98.5
15°	122	99	100	109	108	107	104	103	98	112	100.5
	1198	101	103	109	108	105	102	99	95	110	98.5
	2260	108	113	116	113	108	102	96	94	114	102.5
25°	205	104	105	109	109	108	105	102	97	113	101.5
	1164	105	105	108	108	105	102	99	94	110	98.5
	2354	111	111	111	110	106	102	97	92	111	99.5
35°	426	103	110	111	111	110	105	101	96	114	102.5
	1240	103	110	111	110	110	104	98	93	113	101.5
	2365	97	111	114	110	107	101	96	92	112	100.5
45°	470	118	118	116	115	114	110	106	101	118	106.5
	862	116	116	115	114	114	109	105	100	118	106.5
	1906	115	115	115	114	113	108	104	99	117	105.5

RA-1400-630-533-8 (1170 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	33	93	102	102	103	102	99	97	90	106	94.5
	510	95	103	103	104	103	98	93	86	107	95.5
	1009	100	108	106	102	98	91	87	84	104	92.5
15°	77	99	99	105	103	100	98	97	91	106	94.5
	518	100	100	104	101	98	95	93	90	104	92.5
	1233	111	109	110	107	102	96	91	90	108	96.5
25°	138	109	105	106	105	102	98	94	91	107	95.5
	494	108	105	106	104	99	95	90	88	105	93.5
	1218	108	106	106	104	100	95	89	88	105	93.5
35°	222	104	111	105	102	98	94	90	90	104	92.5
	489	101	111	103	100	96	92	88	89	103	91.5
	1229	107	116	104	101	97	93	90	90	105	93.5
45°	296	116	116	111	111	108	102	97	93	112	100.5
	726	115	115	110	110	107	101	96	92	111	99.5
	1229	121	121	111	109	105	101	95	91	111	99.5



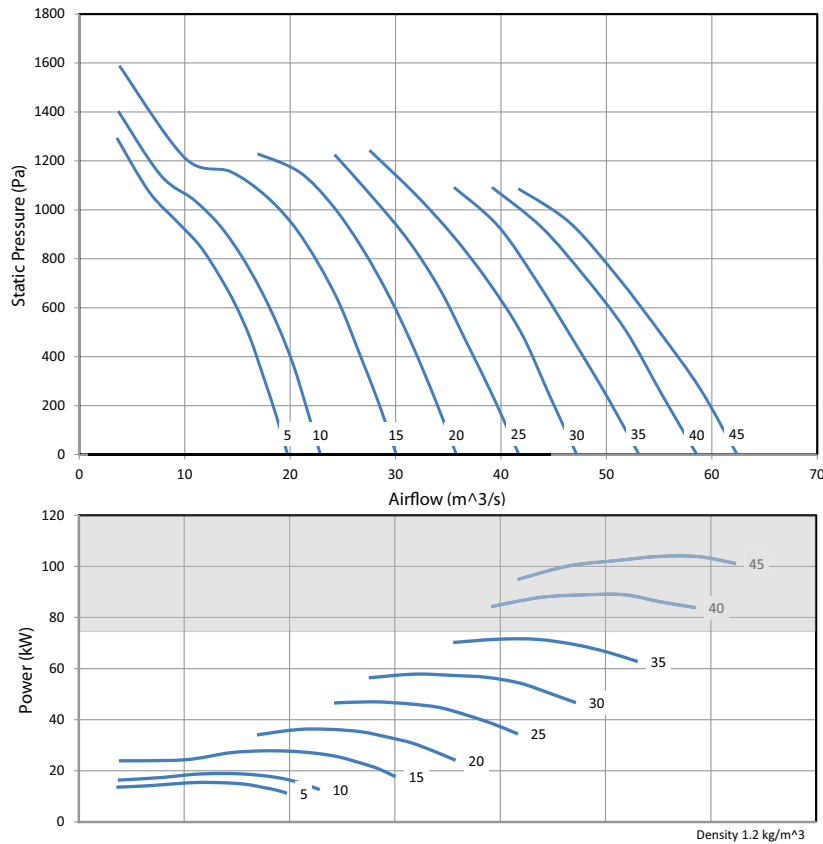
Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.



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RA-1400-630-533-12 (1170 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	23	92	98	104	105	103	100	98	91	108	96.5
	522	92	98	103	104	103	99	95	87	107	95.5
	1278	97	100	109	102	98	93	88	85	105	93.5
15°	79	94	97	104	104	102	99	98	90	107	95.5
	780	97	100	104	102	100	96	93	89	105	93.5
	1472	104	111	111	107	102	95	90	88	108	96.5
25°	133	99	102	105	104	102	100	96	92	107	95.5
	758	100	102	104	103	100	96	92	89	105	93.5
	1533	106	106	106	104	100	96	90	88	106	94.5
35°	278	101	103	107	103	99	96	90	91	105	93.5
	808	101	102	107	103	98	93	88	89	104	92.5
	1540	97	100	110	98	93	89	86	88	103	91.5
45°	306	114	114	111	110	110	103	100	94	113	101.5
	561	111	111	110	110	109	103	100	93	113	101.5
	1241	110	110	110	109	109	100	99	92	112	100.5



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

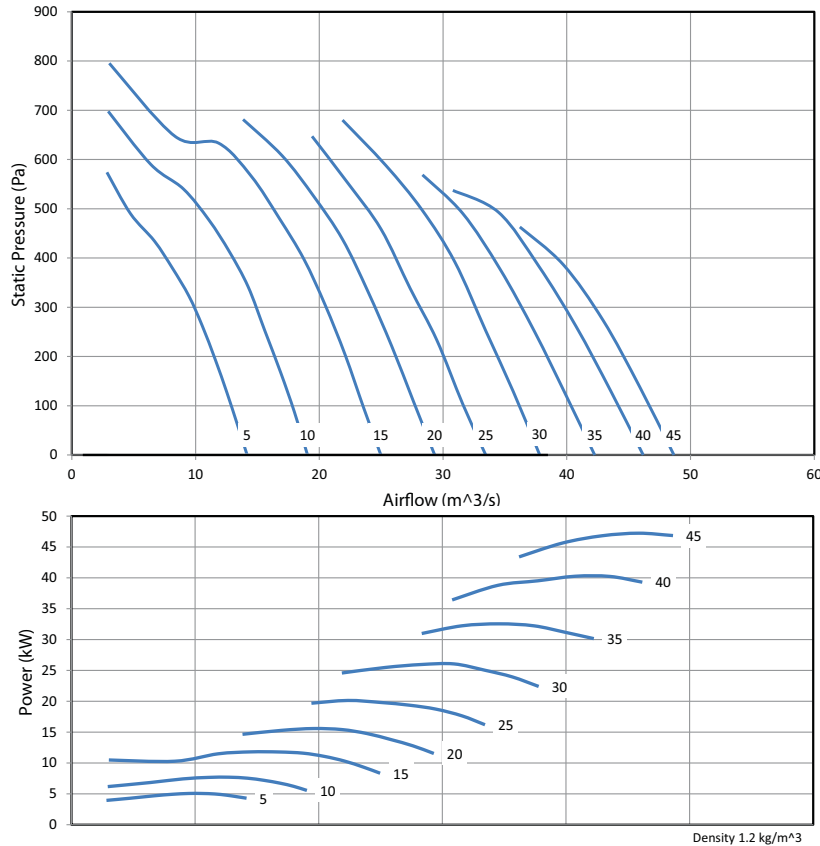


Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.



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RA-1400-630-533-8 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

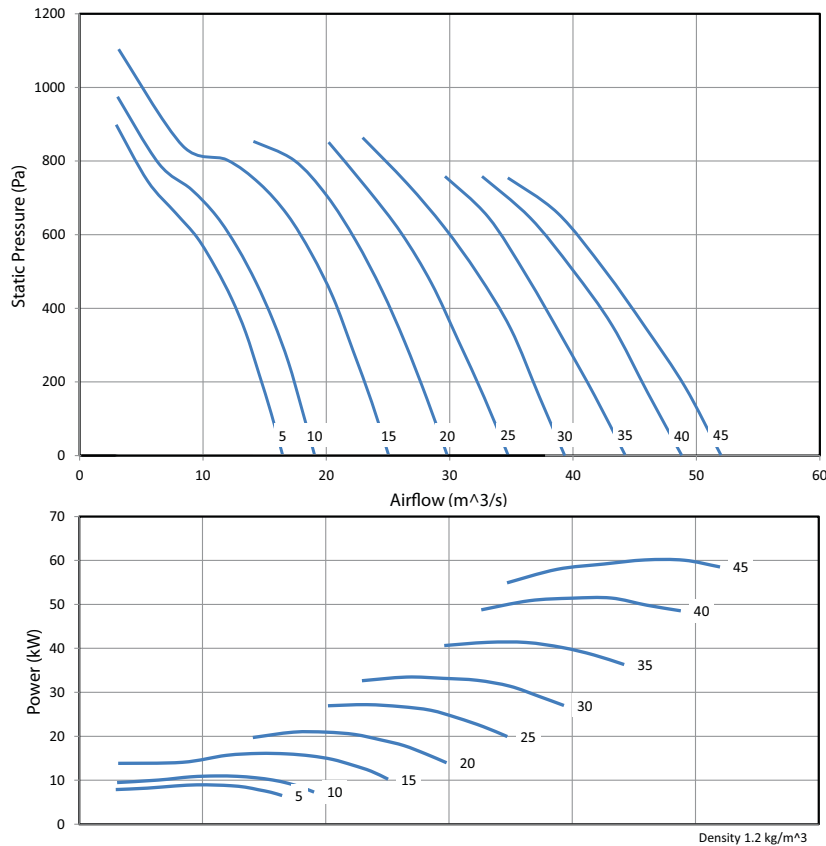


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	23	91	98	99	99	97	95	91	84	102	90.5
	354	92	99	99	101	98	93	88	80	102	90.5
	701	96	104	101	98	92	86	83	79	99	87.5
15°	54	95	96	102	98	95	93	92	85	102	90.5
	359	96	97	100	96	93	90	89	85	99	87.5
	856	107	104	105	102	96	90	86	86	103	91.5
25°	96	105	100	103	100	97	93	90	86	102	90.5
	343	104	100	103	99	94	90	85	84	100	88.5
	846	104	102	102	99	95	89	84	85	101	89.5
35°	154	102	107	102	99	94	91	86	86	101	89.5
	339	100	107	100	98	92	89	84	86	99	87.5
	854	105	112	101	98	94	89	86	86	101	89.5
45°	206	112	112	107	106	102	97	92	89	107	95.5
	504	111	111	106	105	101	96	91	88	106	94.5
	854	117	117	106	104	100	95	90	87	107	95.5

RA-1400-630-533-12 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

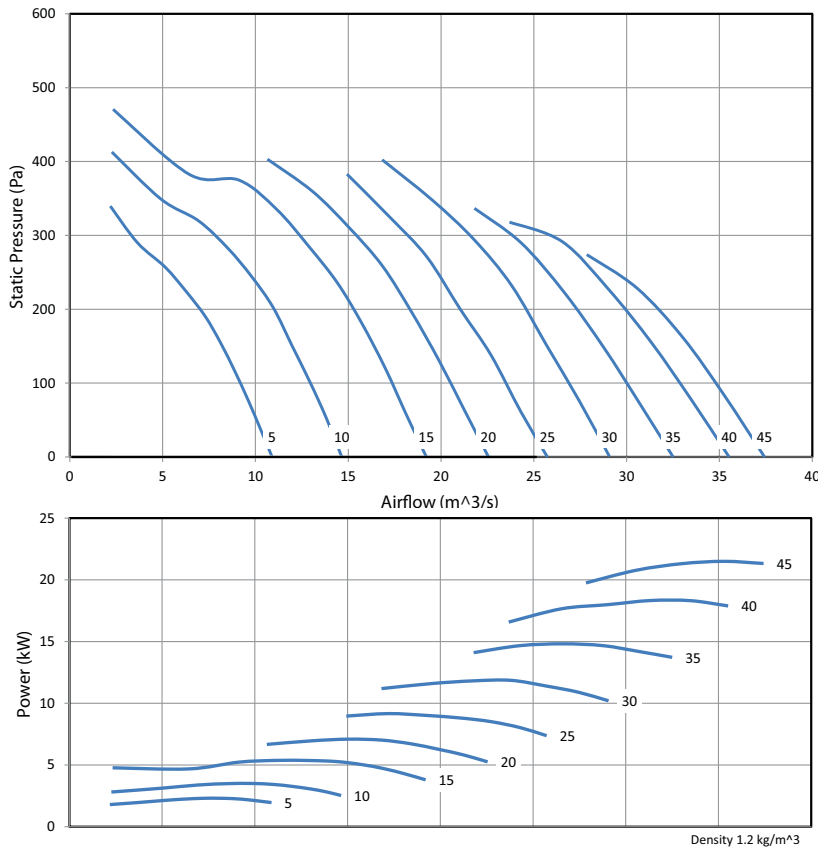


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	16	89	96	100	101	98	96	92	85	103	91.5
	363	89	96	99	100	98	94	89	81	102	90.5
	888	93	100	105	97	93	87	83	81	100	88.5
15°	55	90	94	100	99	97	95	93	84	102	90.5
	542	93	97	100	98	95	91	88	84	100	88.5
	1022	101	107	107	102	96	90	85	84	103	91.5
25°	92	95	99	101	100	98	95	90	87	103	91.5
	527	96	99	100	98	95	92	87	86	100	88.5
	1064	102	102	103	99	95	90	85	84	101	89.5
35°	193	98	100	103	100	96	92	87	87	102	90.5
	561	98	100	103	100	94	89	84	85	101	89.5
	1069	97	99	106	96	90	86	82	85	100	88.5
45°	213	110	109	107	106	104	98	95	89	108	96.5
	390	107	107	106	106	104	98	94	88	108	96.5
	862	106	106	106	105	103	95	93	88	107	95.5

RA-1400-630-533-8 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

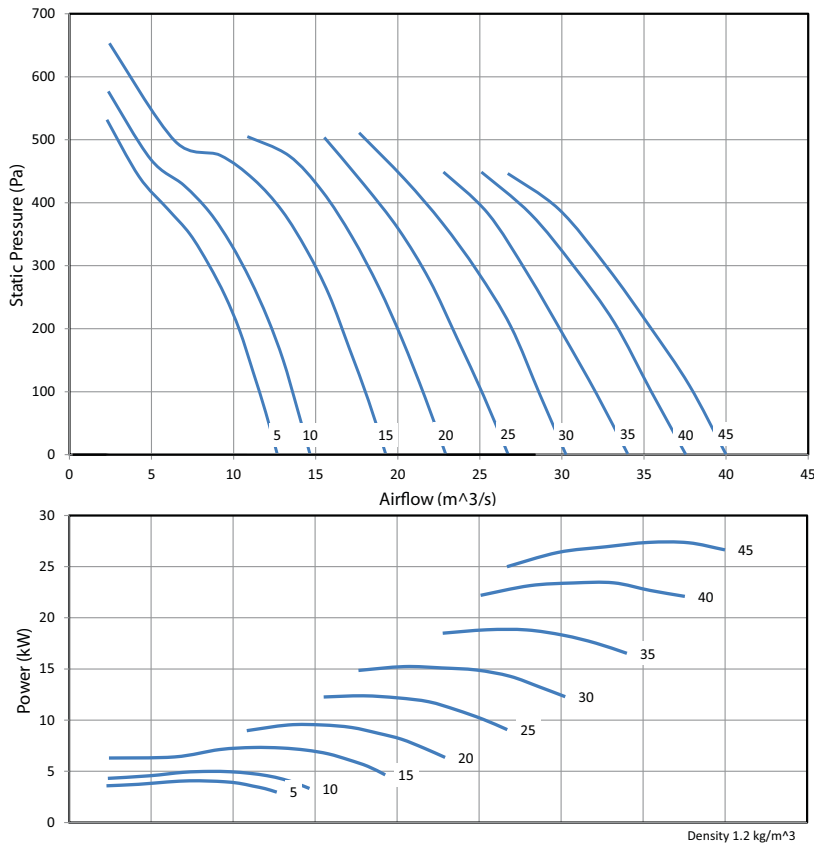


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Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	13	88	92	93	93	89	90	83	75	96	84.5
	210	88	93	94	96	90	86	79	72	96	84.5
	415	91	98	94	90	83	79	76	72	92	80.5
15°	32	89	93	95	92	89	87	84	77	95	83.5
	213	91	93	93	89	86	84	82	78	92	80.5
	507	100	99	98	94	88	83	81	80	95	83.5
25°	57	98	94	97	93	90	86	83	79	95	83.5
	203	97	95	96	92	87	82	79	78	93	81.5
	500	98	96	95	92	87	81	78	80	93	81.5
35°	91	99	101	98	94	89	85	80	81	96	84.5
	201	98	101	97	93	88	84	79	80	95	83.5
	505	103	106	97	93	89	84	80	81	96	84.5
45°	122	106	106	101	99	95	89	85	84	101	89.5
	298	105	105	100	98	93	88	83	82	99	87.5
	505	111	111	100	97	93	87	83	80	100	88.5

RA-1400-630-533-12 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

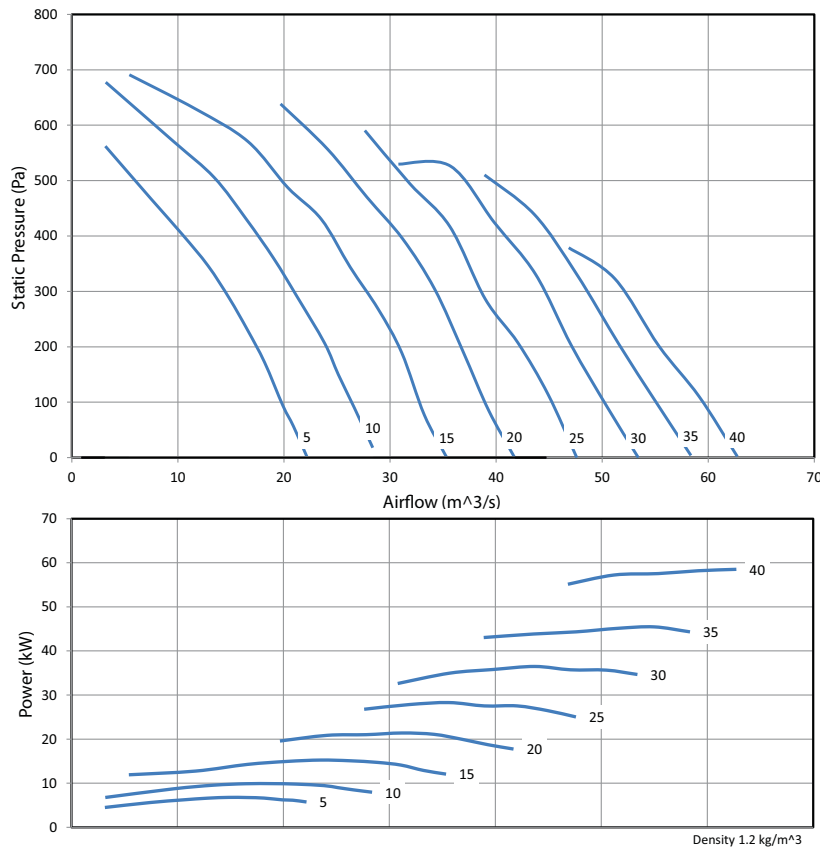


FEG 80

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	9	85	94	95	95	91	91	84	76	97	85.5
	215	86	93	93	95	90	88	80	73	96	84.5
	525	87	99	94	90	85	80	77	74	92	80.5
15°	33	86	94	94	93	90	89	84	75	96	84.5
	320	89	95	93	91	88	85	81	77	93	81.5
	605	98	101	99	94	88	82	79	78	96	84.5
25°	55	90	95	95	94	91	88	83	80	96	84.5
	311	91	94	94	91	88	85	80	80	93	81.5
	630	96	97	96	92	88	82	78	79	94	82.5
35°	114	95	97	97	95	91	87	81	82	97	85.5
	332	95	97	96	95	89	84	79	79	96	84.5
	633	96	100	95	93	86	81	78	80	94	82.5
45°	126	104	102	101	100	96	92	87	83	101	89.5
	230	101	101	100	100	95	91	86	82	101	89.5
	510	101	100	99	99	94	89	85	82	100	88.5

RA-1600-630-400-6 (975 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

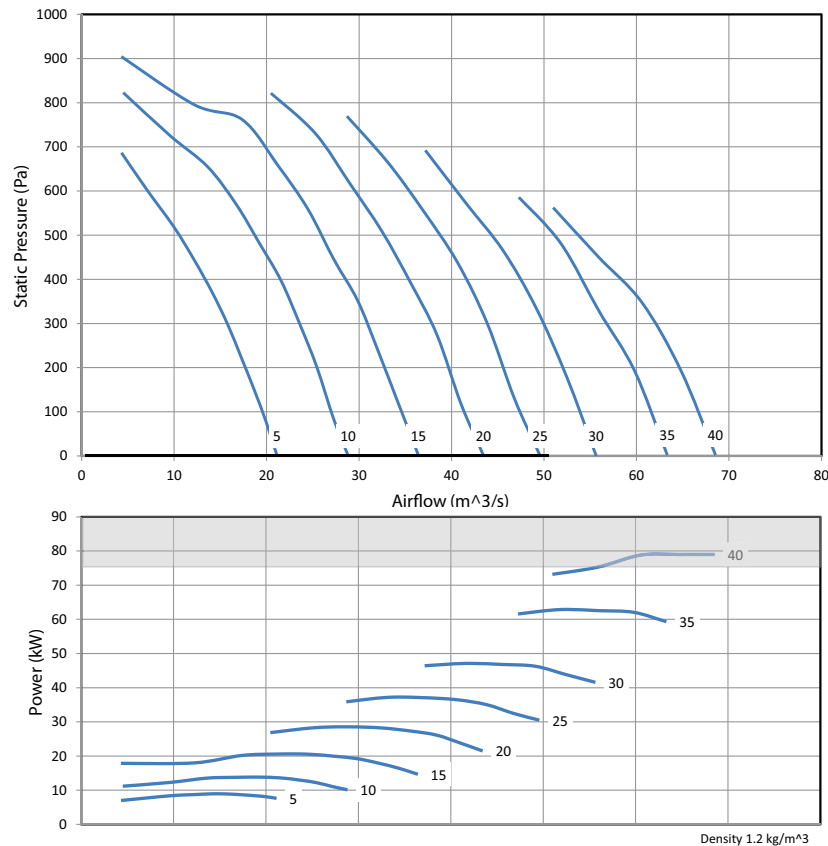


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Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	30	90	95	102	104	102	100	95	85	107	95.5
	221	90	95	103	106	102	98	92	81	107	95.5
	412	95	104	109	105	99	96	90	80	106	94.5
15°	68	96	98	101	102	99	98	94	83	105	93.5
	341	93	97	100	101	99	97	93	86	104	92.5
	691	109	116	107	104	100	95	91	88	106	94.5
25°	113	104	103	101	101	99	97	92	87	104	92.5
	327	104	104	101	101	99	96	92	88	104	92.5
	606	106	102	102	102	101	97	94	91	105	93.5
35°	198	109	109	103	104	103	100	96	93	108	96.5
	456	108	108	103	104	104	100	96	93	108	96.5
	818	109	109	104	104	104	100	96	93	108	96.5
40°	172	110	110	105	107	106	102	98	94	110	98.5
	470	109	109	104	106	106	102	97	94	110	98.5
	814	112	112	106	106	104	101	96	92	109	97.5

RA-1600-630-400-9 (975 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

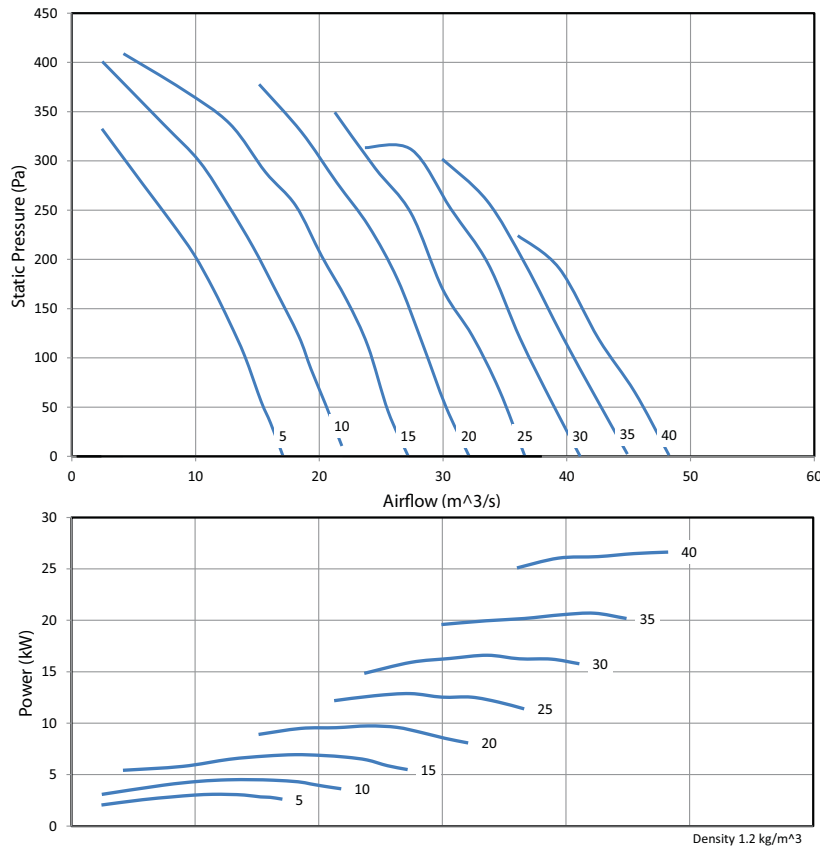


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Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	21	93	101	103	105	103	102	96	87	108	96.5
	345	93	104	107	107	102	98	92	82	107	95.5
	774	101	104	102	100	97	94	90	84	103	91.5
15°	60	97	103	103	103	101	100	96	85	106	94.5
	458	95	102	104	106	104	100	94	86	108	96.5
	805	107	112	110	106	101	96	91	86	108	96.5
25°	155	114	102	104	104	102	101	94	88	107	95.5
	323	117	102	103	103	101	99	93	88	106	94.5
	795	115	118	112	109	105	99	92	87	111	99.5
35°	198	107	106	106	107	105	101	96	91	109	97.5
	454	106	105	106	107	105	101	96	92	109	97.5
	790	104	106	107	107	105	102	97	93	110	98.5
40°	241	106	107	107	108	107	103	98	94	111	99.5
	470	105	107	107	108	107	103	98	94	111	99.5
	928	113	111	109	109	107	103	97	93	111	99.5

RA-1600-630-400-6 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

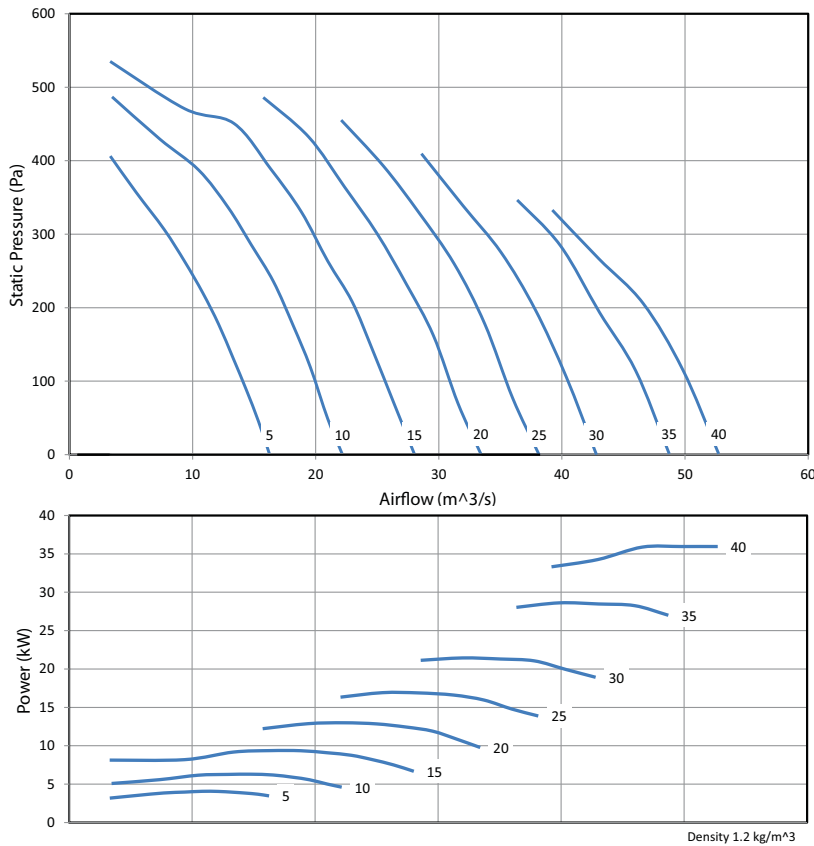


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Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	18	85	92	98	98	94	95	86	76	101	89.5
	131	85	93	101	101	94	93	82	71	101	89.5
	244	92	102	104	97	91	90	81	71	99	87.5
15°	40	91	93	96	95	93	93	85	73	98	86.5
	202	90	92	95	94	92	91	85	77	97	85.5
	409	110	105	100	97	92	88	84	81	99	87.5
25°	67	98	97	96	95	92	89	84	79	97	85.5
	194	98	97	95	94	92	89	85	80	97	85.5
	359	99	96	96	96	94	90	87	84	99	87.5
35°	117	103	96	98	99	97	92	89	86	101	89.5
	270	102	96	98	99	98	93	89	87	102	90.5
	484	103	98	99	99	98	93	88	87	102	90.5
40°	102	104	99	100	101	99	95	90	88	103	91.5
	278	103	99	99	101	99	95	90	87	103	91.5
	481	107	101	100	100	98	93	88	87	102	90.5

RA-1600-630-400-9 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

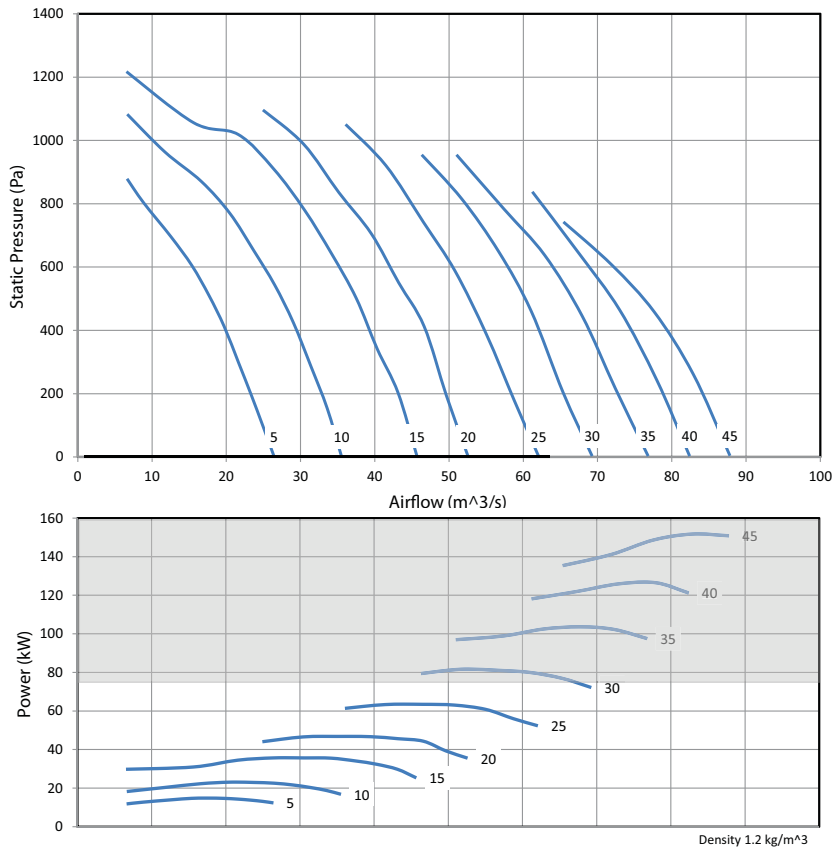


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Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	12	86	95	99	100	96	96	87	77	102	90.5
	204	88	99	103	100	93	92	82	72	101	89.5
	458	95	98	95	94	90	88	82	77	96	84.5
15°	36	89	97	98	97	95	95	86	75	100	88.5
	271	89	96	100	99	97	93	85	77	101	89.5
	476	103	107	103	98	93	88	83	79	100	88.5
25°	92	105	96	98	97	96	93	86	81	100	88.5
	283	94	95	98	96	94	92	86	81	99	87.5
	470	110	112	105	102	97	91	84	80	104	92.5
35°	117	101	99	101	101	98	93	88	84	102	90.5
	269	100	99	101	100	98	93	89	85	102	90.5
	468	98	100	102	101	99	94	90	86	103	91.5
40°	142	100	101	102	102	100	95	91	87	104	92.5
	278	99	101	102	103	100	95	91	87	105	93.5
	549	107	104	104	103	100	95	89	86	105	93.5

RA-1600-630-533-8 (1170 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	43	97	106	106	107	106	103	101	94	111	99.5
	667	99	107	107	108	108	102	98	90	111	99.5
	1320	104	112	110	107	102	95	92	88	108	96.5
15°	101	103	103	109	107	104	102	101	95	110	98.5
	677	104	104	108	105	102	99	97	94	108	96.5
	1612	115	113	114	111	106	100	95	94	112	100.5
25°	181	113	109	110	109	106	102	99	95	111	99.5
	646	112	109	110	108	103	99	94	92	109	97.5
	1592	112	111	110	108	104	99	93	92	109	97.5
35°	291	108	115	109	106	102	98	94	94	108	96.5
	639	105	115	107	104	100	96	92	93	107	95.5
	1607	111	120	108	105	101	97	94	94	109	97.5
45°	387	120	120	115	115	112	106	101	97	116	104.5
	949	119	119	114	114	111	105	100	96	115	103.5
	1607	125	125	115	113	109	105	99	95	115	103.5



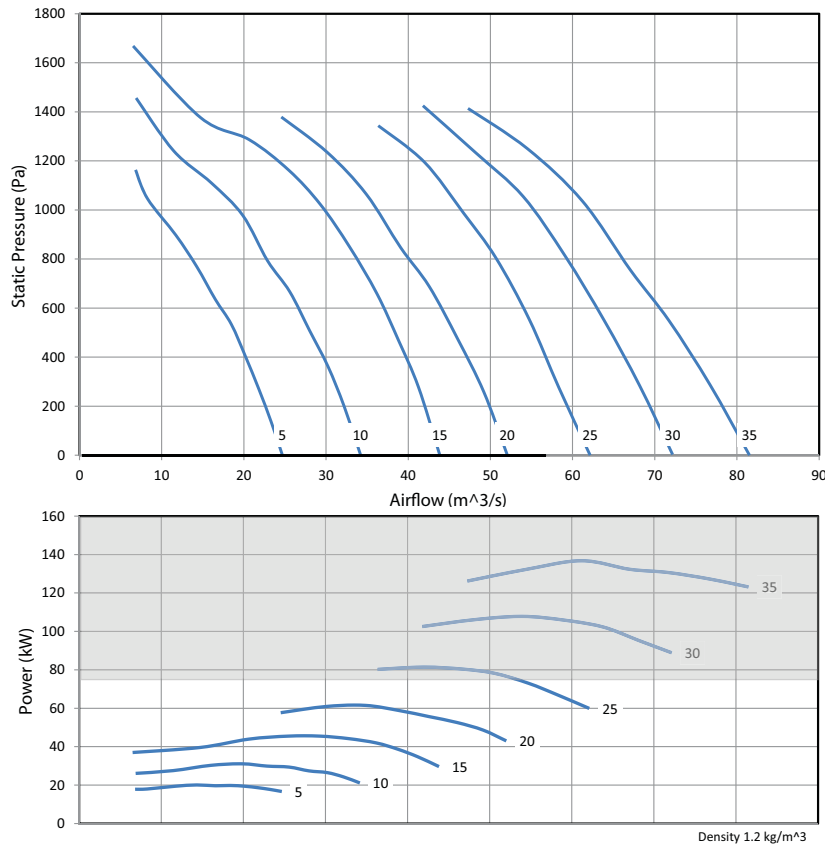
Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.



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RA-1600-630-533-12 (1170 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

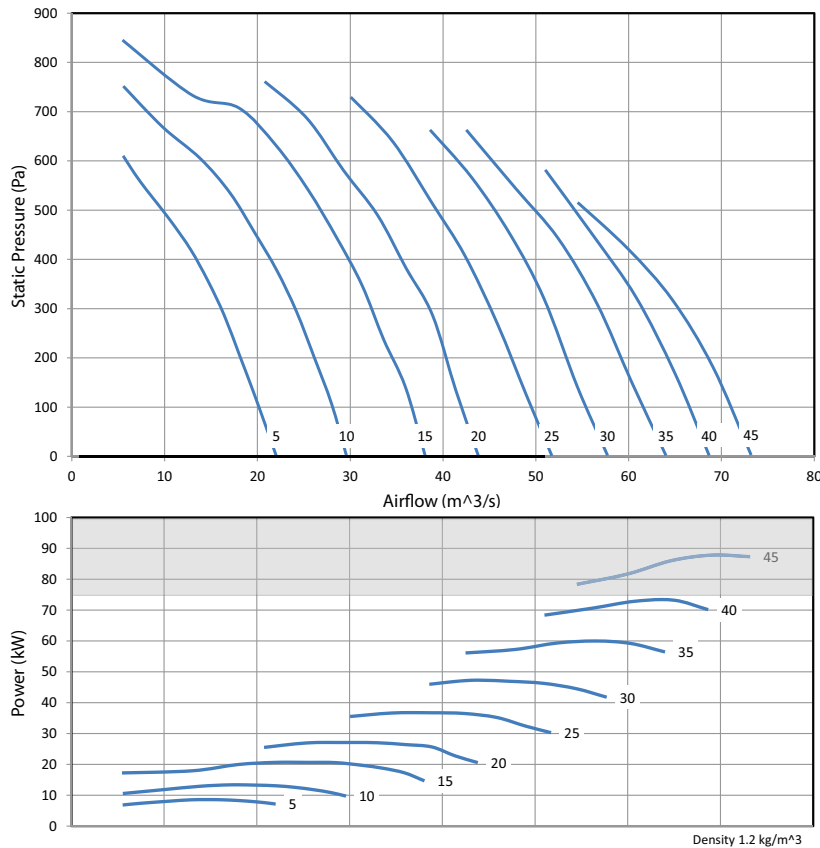


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Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	30	96	102	108	109	107	104	102	95	112	100.5
	683	96	102	107	108	107	103	99	91	111	99.5
	1671	102	104	113	106	102	97	92	89	109	97.5
15°	104	98	101	108	108	106	103	102	94	111	99.5
	1020	101	104	108	106	104	100	97	94	109	97.5
	1924	108	115	115	111	106	99	94	93	112	100.5
25°	174	103	106	109	108	107	104	100	96	111	99.5
	991	104	106	108	107	104	100	96	94	109	97.5
	2004	110	110	111	108	104	100	94	92	110	98.5
30°	299	108	109	110	111	108	104	100	96	113	101.5
	967	107	108	109	109	106	101	96	93	110	98.5
	2005	113	112	111	109	105	101	94	92	110	98.5
35°	363	105	107	111	107	103	100	95	95	109	97.5
	1056	105	107	111	107	102	97	92	93	108	96.5
	2013	101	104	114	102	97	93	90	92	107	95.5

RA-1600-630-533-8 (975 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	30	95	102	103	103	101	99	95	88	106	94.5
	463	96	103	103	105	102	97	92	84	106	94.5
	916	100	108	105	102	96	90	87	83	103	91.5
15°	70	99	100	106	102	100	98	96	89	106	94.5
	470	100	101	105	100	97	95	93	89	103	91.5
	1120	111	108	110	106	100	94	90	90	107	95.5
25°	126	109	104	107	104	101	97	94	90	106	94.5
	448	108	104	107	103	98	94	89	88	105	93.5
	1106	108	106	106	103	99	93	88	89	105	93.5
35°	202	106	111	106	103	98	95	90	90	105	93.5
	444	104	111	105	102	96	93	88	90	104	92.5
	1116	109	116	105	102	98	93	90	91	105	93.5
45°	269	116	116	111	110	106	101	96	93	112	100.5
	659	115	115	110	109	105	100	95	92	110	98.5
	1116	121	121	110	108	104	99	94	91	111	99.5



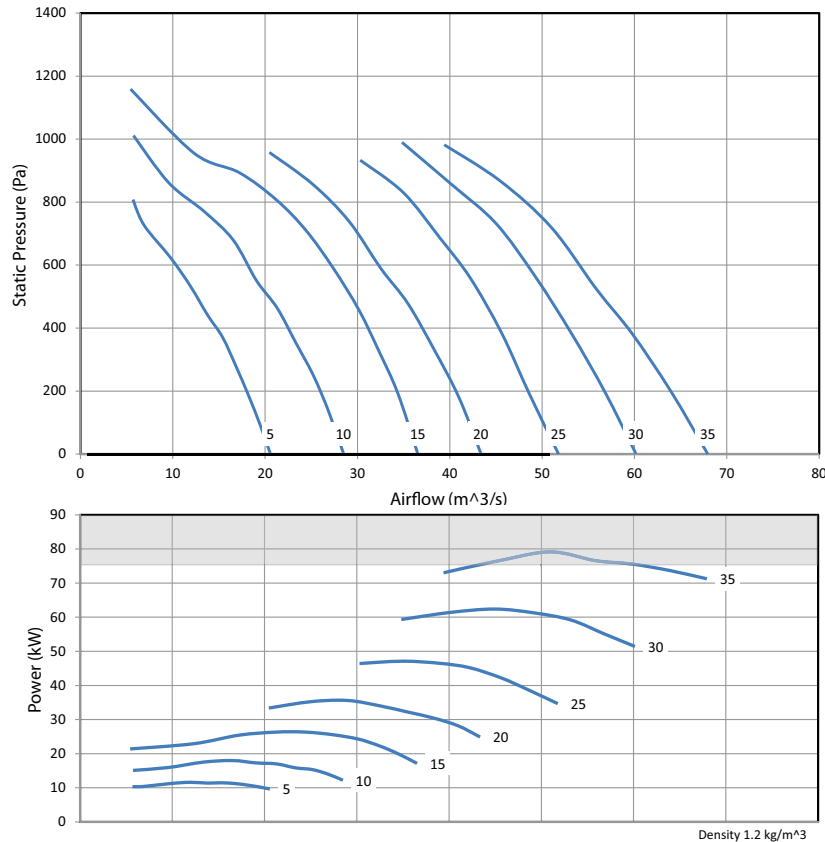
Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.



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RA-1600-630-533-12 (975 RPM)



Selections in shaded area exceed the maximum allowable kW rating for given fan size.

Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	21	93	100	104	105	102	100	96	89	107	95.5
	474	93	100	103	104	102	98	93	85	106	94.5
	1161	97	104	109	101	97	91	88	85	104	92.5
15°	72	95	98	104	103	101	99	97	88	106	94.5
	708	97	101	104	102	99	95	92	89	104	92.5
	1336	105	111	111	106	100	94	89	88	107	95.5
25°	121	99	103	105	104	102	99	95	91	107	95.5
	688	100	103	104	102	99	96	91	90	104	92.5
	1392	106	106	107	103	99	94	89	89	105	93.5
30°	207	104	105	106	106	103	100	95	92	108	96.5
	672	103	104	105	104	101	96	91	89	106	94.5
	1393	109	108	107	104	100	95	89	89	105	93.5
35°	252	102	104	107	104	100	96	91	91	106	94.5
	733	102	104	107	104	98	93	88	89	105	93.5
	1398	101	103	110	100	94	90	87	89	104	92.5



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

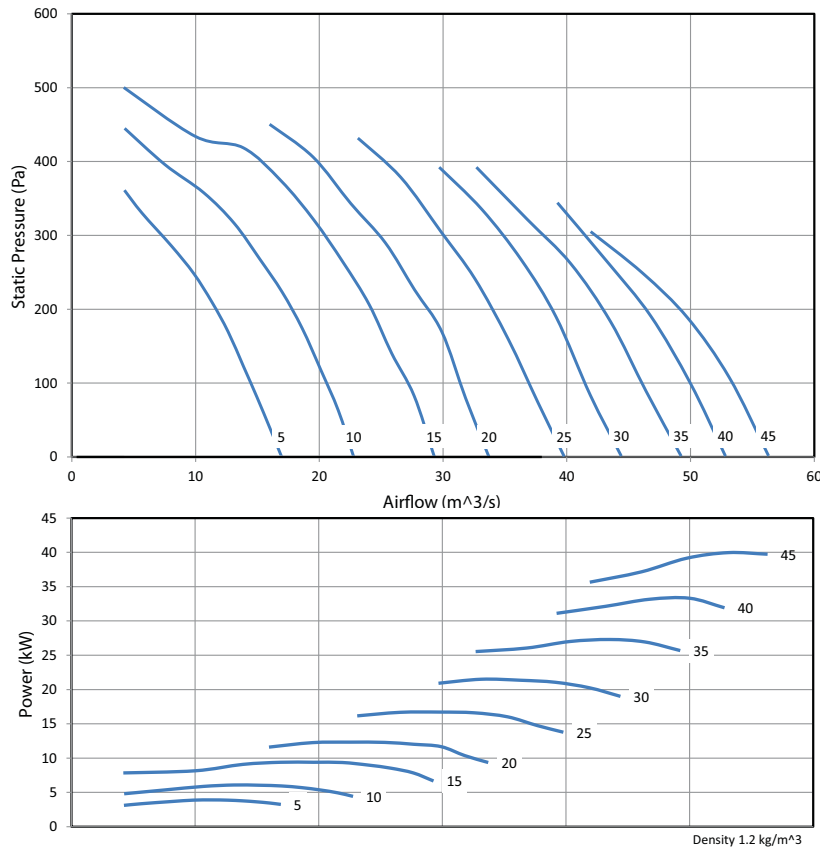


Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.



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RA-1600-630-533-8 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.

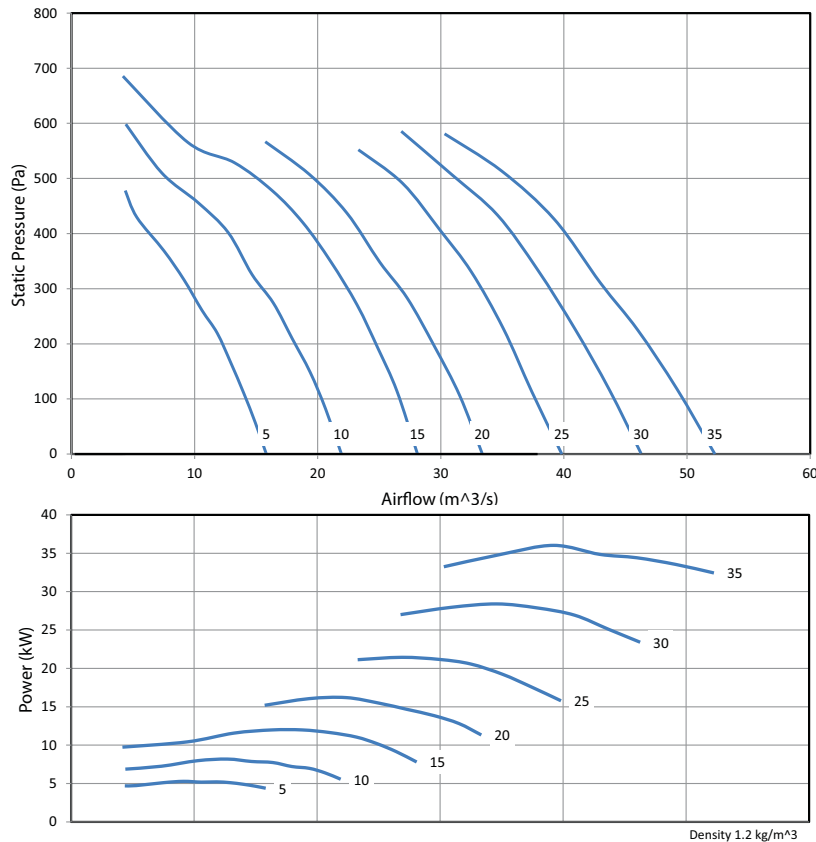


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Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	18	92	96	98	97	93	94	87	79	100	88.5
	274	92	97	98	100	94	90	83	76	100	88.5
	542	95	102	98	94	87	83	80	76	96	84.5
15°	42	94	97	99	96	93	92	88	81	99	87.5
	278	95	97	97	93	90	88	86	82	96	84.5
	663	104	103	102	98	92	87	85	84	99	87.5
25°	74	102	98	101	97	94	90	87	84	100	88.5
	265	101	99	100	96	91	86	83	82	97	85.5
	654	102	100	100	96	91	85	82	84	98	86.5
35°	119	103	105	102	98	93	89	85	85	100	88.5
	263	102	105	101	98	92	88	83	85	99	87.5
	661	107	110	101	98	93	88	84	85	100	88.5
45°	159	111	111	105	103	99	94	89	88	105	93.5
	390	110	110	104	102	97	92	87	87	104	92.5
	661	115	115	104	101	97	92	87	84	104	92.5

RA-1600-630-533-12 (750 RPM)



Performance shown is for installation type B: free inlet, ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

Sound power level ratings and A-weighted sound power ratings are shown in decibels, referred to 10-12 watts, calculated per AMCA Standard 301. Values shown are for inlet LW and LWA sound power levels for installation type B: free inlet, ducted outlet. The AMCA International Certified Ratings Seal for sound applies to LWA values only. dBA sound pressure values are weighted with 11.5 dB attenuation based on 5 feet from the fan in a hemispherical free field and are not licensed by AMCA International.



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Sound Data

Blade Pitch	Psc (Pa)	63	125	250	500	1K	2K	4K	8K	Lwa	dBA
5°	12	90	98	99	99	95	95	88	80	101	89.5
	281	90	97	97	99	94	92	84	77	100	88.5
	687	91	103	98	94	89	84	81	78	96	84.5
15°	43	90	98	98	97	94	93	88	79	100	88.5
	419	93	99	97	95	92	89	85	81	97	85.5
	791	103	105	103	98	92	86	83	82	100	88.5
25°	72	94	99	99	98	95	92	87	84	100	88.5
	407	95	98	98	95	92	89	84	84	97	85.5
	824	100	101	100	96	92	87	82	83	98	86.5
30°	123	99	100	102	100	96	93	87	86	101	89.5
	397	98	99	100	98	93	88	83	84	99	87.5
	824	103	101	100	97	93	86	83	84	98	86.5
35°	149	99	101	101	100	95	91	85	86	101	89.5
	434	99	101	100	100	93	88	83	83	100	88.5
	827	100	104	100	97	91	86	82	85	98	86.5

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Greenheck India: 541/542, 5th Floor, Tower- B3 Spaze • Tech Park Sector-49, Sohna Road, Gurgaon • www.greenheck.co.in
Greenheck U.S.A: P.O. Box 410 • Schofield, WI 54476-0410 • Phone (715) 359-6171 • www.greenheck.com

