VENT-100 NK to VENT-315 NK

VENT-355N and VENT-400N

Range of in-line duct centrifugal fans, manufactured from high grade corrosion resistant pressed galvanised steel and supplied as standard with a terminal box and a robust mounting foot. All model include an enclosed type, single-phase external rotor motor with factory matched backward curved nonstalling impeller.

(1) Models 355 and 400 are manufactured in sheet steel protected against corrosion by cataforesis primer and black polyester paint finish.

Motors

100NK - 250NK models: Motors are IP44, class B insulation with ball bearings and safety thermal overload protection.
315NK model: motor is IP44, class F insulation with ball bearings ans safety thermal overload protection.
355N and 400N models: Motors are IP54, class F, with ball bearings and safety thermal overload protection.
Electrical supply:

Single phase 230V-50/60Hz.
Three phase 230/400V-50Hz (models 355N-T and 400N-T).
(See characteristics chart).

All single-phase models are speed controllable by tension.
The three-phase models are speed controllable by frequency inverter.

Additional Information

Impellers from 100 to 250 models are manufactured from injection moulded plastic.

S&P certifies that the VENT NK shown herein are licensed to bear the AMCA Seal. The ratings shown are based on tests and procedures performed in accordance with AMCA Publication 211 and AMCA Publication 311 and comply with the requirements of the AMCA Certified Ratings Program

Mounting foot
Supplied with unit as standard (100NK - 315NK models).

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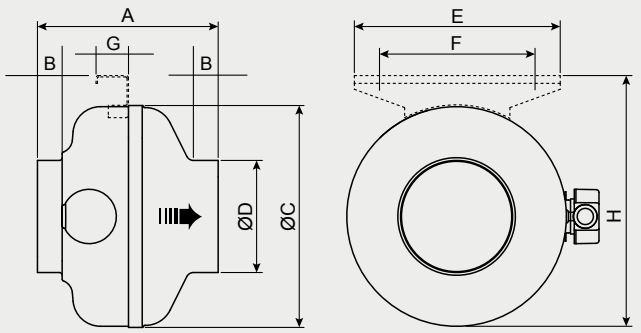
TECHNICAL CHARACTERISTICS

Before installation check that the product electrical characteristics listed on the data plate label (voltage, power, frequency, etc.) match those of the intended electrical supply.

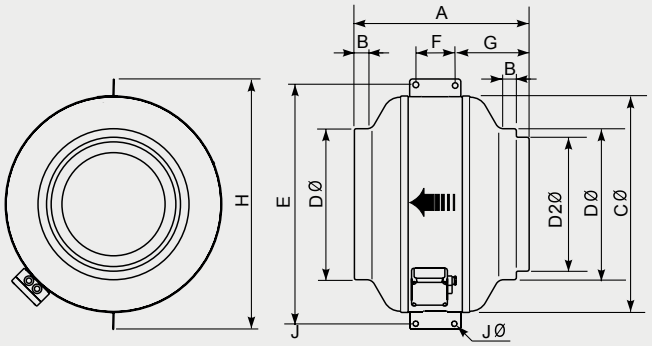
Model	Voltage (V-Hz)	Speed (rpm)	Maximum absorbed power (W)	Maximum absorbed current (A)	Maximum airflow (m³/h)	Sound pressure level* (dB(A))			Maximum ambient temperature (ºC)	Weight (kg)
						Inlet	Outlet	Radiated		
VENT-100NK	230-50	2680	61	0,3	291	55	51	41	-20/+60	3
VENT-125NK	230-50	2650	61	0,3	382	56	53	40	-20/+60	3
VENT-150NK	230-50	2560	95	0,4	737	58	54	42	-20/+60	5
VENT-160NK	230-50	2550	96	0,4	751	59	55	42	-20/+60	5
VENT-200NK	230-50	2730	147	0,6	975	61	58	44	-20/+60	5
VENT-250NK	230-50	2710	148	0,6	1.007	61	60	43	-20/+60	6
VENT-315NK	230-50	2700	254	1,1	1.330	65	66	44	-20/+60	8
VENT-355N	230-50	1370	287	1,2	2.690	58	61	40	-40/+70	18,8
VENT-400N	230-50	1380	536	2,3	3.890	62	63	48	-40/+70	22,2
VENT-355N T	230/400-50	1370	270	1,1/0,6	2.640	58	60	43	-40/+70	17
VENT-400N T	230/400-50	1370	492	1,9/1,1	3.830	60	62	47	-40/+50	22

* Sound pressure level in dB(A) measured at 1,5m, in free field condition, at the maximum air volume.

DIMENSIONS (mm)



VENT-100NK to VENT-315NK



VENT-355N/VENT-400N

Model	A	B	C	D	D2	E*	F*	G*	H*	J
VENT-100 NK	195	23	243	98		225	170	35,5	275	
VENT-125 NK	197	27	243	123		225	170	35,5	275	
VENT-150 NK	213	22	333	147		225	170	35,5	368	
VENT-160 NK	220	27	333	157		225	170	35,5	368	
VENT-200 NK	223	25	333	198		225	170	35,5	368	
VENT-250 NK	205	27	333	248		225	170	35,5	368	
VENT-315 NK	232	25	401	312		225	170	35,5	438	
VENT-355 N	410	25	508	354	314	552	100	170	587	10,5
VENT-400 N	431	25	568	399	354	628	100	185	647	10,5

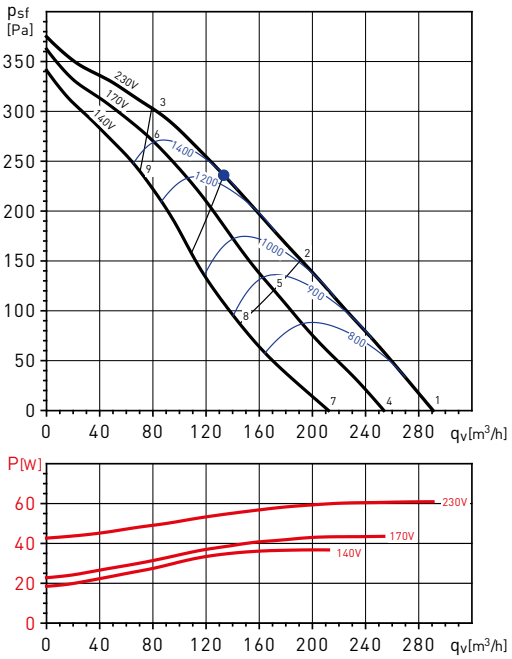
* From VENT-100NK to VENT-315NK: support brackets supplied in the packaging, not fitted on the fan.

PERFORMANCE CURVES - ACOUSTIC CHARACTERISTICS

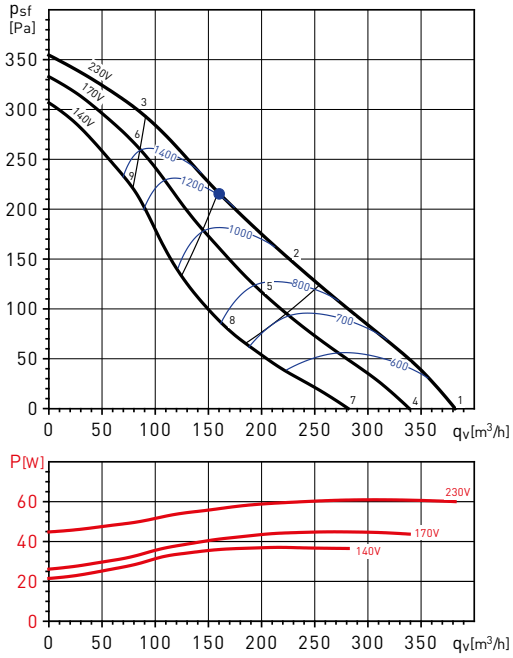
- q_v: Airflow in m^3/h
- p_{sf}: Static pressure in Pa.
- P: Input power in W.
- SFP: Specific fan power in $W/m^3/s$ (blue curves)
- Performance data in accordance with ISO 5801.

Air performance certified by AMCA is for installation type D – Ducted inlet, Ducted outlet.
Performance ratings do not include the effects of appurtenances (accessories).

VENT-100NK



VENT-125NK



Sound data

Working point	1	2	3	4	5	6	7	8	9
LwiA	75	74	73	73	66	70	69	67	69

Sound performance certified by AMCA. Values shown are for inlet LwiA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

Sound data

Working point	1	2	3	4	5	6	7	8	9
LwiA	76	74	72	73	71	71	69	67	69

Sound performance certified by AMCA. Values shown are for inlet LwiA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

The following sound data is a complementary data taken from S&P sound laboratory according ISO 13347-3, this data is not licensed by AMCA International.

Sound power spectrum (dB(A))

	VENT-100NK	63	125	250	500	1000	2000	4000	8000	LwA
	Inlet	30	47	58	61	67	63	59	44	**70**
1	Outlet	30	46	53	58	62	60	55	45	**66**
	Radiated	23	33	49	47	51	48	49	33	**56**
	Inlet	30	47	58	59	64	60	54	41	**67**
2	Outlet	32	47	53	56	59	57	51	42	**63**
	Radiated	23	32	46	44	48	45	44	31	**53**
	Inlet	31	46	56	57	63	58	51	42	**66**
3	Outlet	33	46	51	56	56	55	49	41	**62**
	Radiated	20	29	41	42	47	42	43	34	**51**
	Inlet	27	44	55	58	64	60	56	41	**67**
4	Outlet	27	43	50	55	59	57	52	42	**63**
	Radiated	20	30	46	44	48	45	46	30	**53**
	Inlet	28	45	56	56	62	58	51	39	**65**
5	Outlet	29	44	51	54	56	55	48	39	**61**
	Radiated	20	29	43	42	46	42	42	28	**50**
	Inlet	30	45	55	56	61	57	50	41	**64**
6	Outlet	32	45	49	55	55	54	48	40	**60**
	Radiated	19	28	40	40	45	41	42	32	**49**
	Inlet	23	40	51	54	60	56	52	37	**63**
7	Outlet	23	39	46	51	55	53	49	38	**59**
	Radiated	16	26	42	40	44	41	42	26	**49**
	Inlet	24	41	52	53	58	54	48	35	**61**
8	Outlet	26	41	47	50	53	51	45	36	**57**
	Radiated	17	26	39	38	42	39	38	25	**47**
	Inlet	28	43	53	54	60	56	49	39	**63**
9	Outlet	30	43	48	53	54	53	47	39	**59**
	Radiated	18	27	39	39	44	40	40	31	**48**

The following sound data is a complementary data taken from S&P sound laboratory according ISO 13347-3, this data is not licensed by AMCA International.

Sound power spectrum (dB(A))

	VENT-125NK	63	125	250	500	1000	2000	4000	8000	LwA
	Inlet	29	45	54	64	64	65	61	49	**70**
1	Outlet	30	44	47	62	62	61	59	47	**67**
	Radiated	23	39	46	40	51	46	48	36	**55**
	Inlet	30	47	55	64	62	62	56	44	**68**
2	Outlet	29	47	47	61	60	58	53	43	**65**
	Radiated	22	39	43	38	49	43	42	32	**52**
	Inlet	30	47	53	62	60	59	53	43	**66**
3	Outlet	38	48	46	60	58	57	52	42	**64**
	Radiated	29	39	42	36	47	40	39	31	**50**
	Inlet	26	42	51	62	61	62	58	46	**67**
4	Outlet	27	41	44	59	59	58	56	44	**64**
	Radiated	20	36	43	37	49	43	45	33	**52**
	Inlet	27	44	52	61	59	59	53	42	**65**
5	Outlet	26	44	44	58	57	55	50	40	**62**
	Radiated	19	36	40	35	46	40	39	29	**49**
	Inlet	28	45	52	61	59	58	52	42	**65**
6	Outlet	37	47	45	58	56	56	50	41	**62**
	Radiated	28	38	41	35	46	39	38	29	**49**
	Inlet	22	38	47	58	57	58	54	42	**63**
7	Outlet	23	37	40	55	55	54	52	40	**60**
	Radiated	16	32	39	33	44	39	41	29	**48**
	Inlet	23	40	48	57	55	55	49	38	**61**
8	Outlet	23	40	41	54	53	51	47	36	**58**
	Radiated	15	33	36	31	43	36	35	26	**45**
	Inlet	27	44	50	59	57	56	50	40	**63**
9	Outlet	35	45	43	57	55	54	49	39	**61**
	Radiated	26	36	39	33	44	37	36	28	**47**

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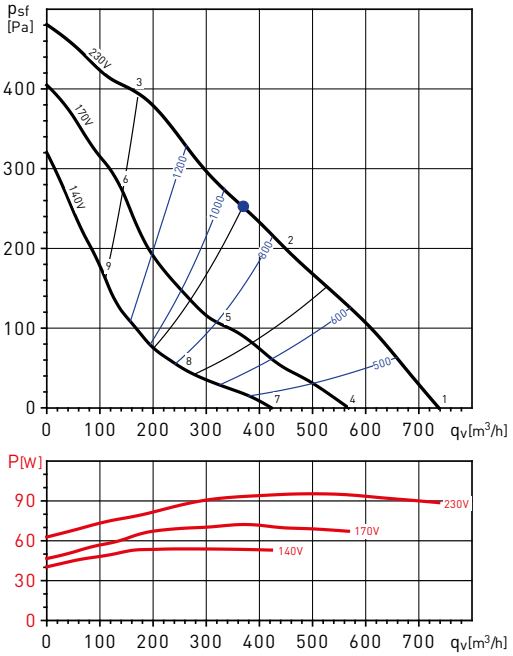
PERFORMANCE CURVES - ACOUSTIC CHARACTERISTICS

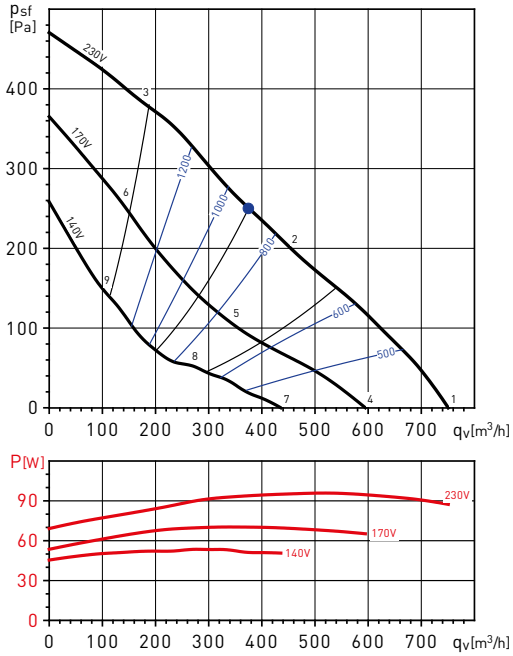
- q_v: Airflow in m^3/h
- p_{sf}: Static pressure in Pa.
- P: Input power in W.
- SFP: Specific fan power in $W/m^3/s$ (blue curves)
- Performance data in accordance with ISO 5801.

Air performance certified by AMCA is for installation type D – Ducted inlet, Ducted outlet.
Performance ratings do not include the effects of appurtenances (accessories).

VENT-150NK



VENT-160NK



Sound data

Working point	1	2	3	4	5	6	7	8	9
LwiA	77	76	76	72	69	72	66	65	67

Sound performance certified by AMCA. Values shown are for inlet LwiA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

Sound data

Working point	1	2	3	4	5	6	7	8	9
LwiA	79	77	76	74	71	72	67	65	66

Sound performance certified by AMCA. Values shown are for inlet LwiA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

The following sound data is a complementary data taken from S&P sound laboratory according ISO 13347-3, this data is not licensed by AMCA International.

Sound power spectrum (dB(A))

	VENT-150NK	63	125	250	500	1000	2000	4000	8000	LwA
	Inlet	29	50	56	68	66	66	64	51	**72**
1	Outlet	32	49	47	63	63	63	61	50	**69**
	Radiated	21	29	45	50	48	52	48	36	**56**
	Inlet	28	52	58	67	64	63	57	47	**71**
2	Outlet	29	51	46	61	61	61	54	45	**66**
	Radiated	17	30	45	49	47	49	42	33	**54**
	Inlet	29	56	61	66	64	64	57	50	**71**
3	Outlet	32	54	52	63	61	61	55	50	**67**
	Radiated	19	32	44	48	47	51	43	37	**55**
	Inlet	23	44	50	62	60	61	58	46	**67**
4	Outlet	26	44	42	57	57	57	55	44	**63**
	Radiated	16	24	40	45	43	47	43	30	**51**
	Inlet	21	45	51	60	57	56	50	40	**64**
5	Outlet	22	44	39	54	54	54	47	38	**59**
	Radiated	10	23	38	42	40	42	35	26	**47**
	Inlet	25	52	58	63	60	60	53	46	**67**
6	Outlet	28	50	48	59	57	57	51	46	**63**
	Radiated	15	28	41	44	43	47	39	34	**51**
	Inlet	17	38	44	56	53	54	52	39	**60**
7	Outlet	20	37	35	51	51	51	49	38	**57**
	Radiated	9	18	33	38	36	40	36	24	**45**
	Inlet	14	38	44	54	50	49	44	33	**57**
8	Outlet	16	38	33	48	48	47	41	31	**53**
	Radiated	4	16	31	35	33	36	28	19	**40**
	Inlet	20	47	52	57	55	55	48	41	**62**
9	Outlet	23	45	42	54	52	52	46	41	**58**
	Radiated	10	23	35	39	38	41	34	28	**45**

The following sound data is a complementary data taken from S&P sound laboratory according ISO 13347-3, this data is not licensed by AMCA International.

Sound power spectrum (dB(A))

	VENT-160NK	63	125	250	500	1000	2000	4000	8000	LwA
	Inlet	32	55	59	68	67	68	66	54	**74**
1	Outlet	33	52	50	63	63	64	62	52	**69**
	Radiated	19	29	45	47	50	53	49	38	**57**
	Inlet	29	54	59	68	66	65	58	47	**72**
2	Outlet	29	54	49	63	62	61	55	45	**67**
	Radiated	16	29	42	47	49	49	41	31	**54**
	Inlet	36	57	62	66	64	64	57	50	**71**
3	Outlet	34	56	52	62	61	61	55	49	**67**
	Radiated	20	32	45	45	48	50	41	35	**54**
	Inlet	28	50	54	64	62	63	61	49	**69**
4	Outlet	28	48	46	58	59	60	58	48	**65**
	Radiated	14	24	40	42	45	48	44	33	**52**
	Inlet	22	48	53	62	60	58	52	41	**66**
5	Outlet	23	48	43	57	56	55	49	39	**61**
	Radiated	10	23	36	41	42	43	35	25	**48**
	Inlet	32	54	58	62	60	60	54	46	**67**
6	Outlet	30	52	49	59	57	57	51	45	**63**
	Radiated	16	28	41	41	44	46	37	31	**50**
	Inlet	21	43	48	57	55	56	55	43	**62**
7	Outlet	21	41	39	52	52	53	51	41	**58**
	Radiated	8	17	33	36	39	42	38	26	**45**
	Inlet	15	41	46	55	53	51	45	34	**59**
8	Outlet	16	41	36	50	49	48	42	32	**54**
	Radiated	3	16	29	34	35	36	28	18	**41**
	Inlet	26	48	53	57	55	55	48	41	**61**
9	Outlet	25	47	43	53	52	51	46	40	**58**
	Radiated	11	23	35	36	38	40	31	25	**44**

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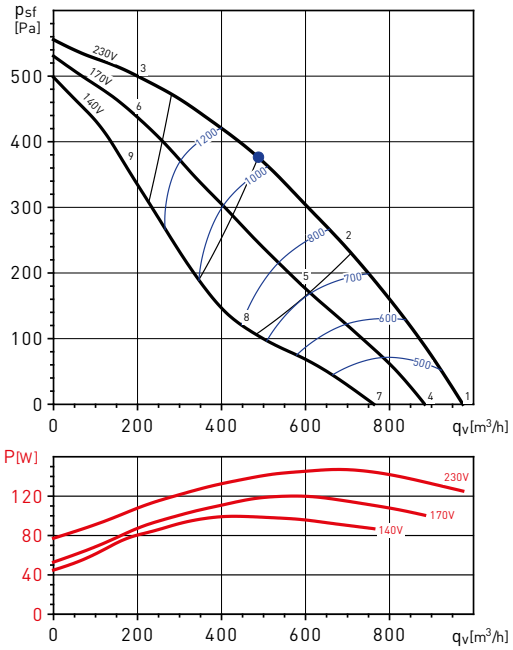
PERFORMANCE CURVES - ACOUSTIC CHARACTERISTICS

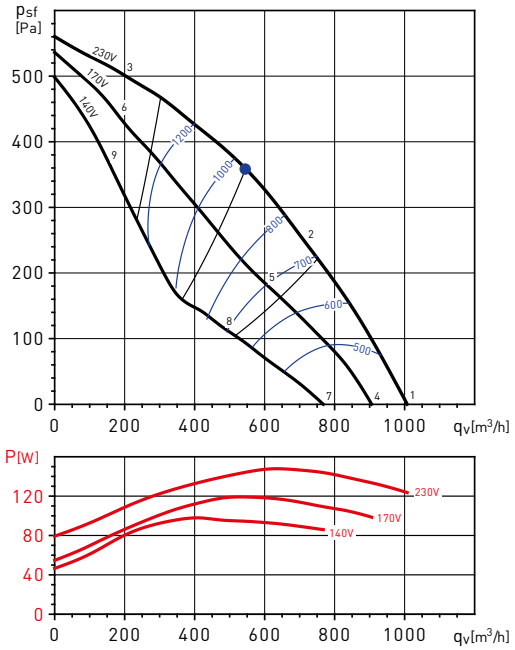
- q_v: Airflow in m^3/h
- p_{sf}: Static pressure in Pa.
- P: Input power in W.
- SFP: Specific fan power in $W/m^3/s$ (blue curves)
- Performance data in accordance with ISO 5801.

Air performance certified by AMCA is for installation type D – Ducted inlet, Ducted outlet.
Performance ratings do not include the effects of appurtenances (accessories).

VENT-200NK



VENT-250NK



Sound data

Working point	1	2	3	4	5	6	7	8	9
LwiA	80	74	73	78	71	75	75	66	73

Sound performance certified by AMCA. Values shown are for inlet LwiA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

Sound data

Working point	1	2	3	4	5	6	7	8	9
LwiA	78	73	75	76	69	74	73	69	72

Sound performance certified by AMCA. Values shown are for inlet LwiA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

The following sound data is a complementary data taken from S&P sound laboratory according ISO 13347-3, this data is not licensed by AMCA International.

Sound power spectrum (dB(A))

VENT-200NK		63	125	250	500	1000	2000	4000	8000	LwA
	Inlet	41	52	63	69	70	70	66	65	**76**
1	Outlet	41	51	60	62	66	67	66	63	**73**
	Radiated	36	36	42	46	51	57	49	46	**59**
	Inlet	35	49	58	64	65	63	61	54	**70**
2	Outlet	36	49	56	58	62	62	60	52	**67**
	Radiated	32	33	39	42	46	51	44	37	**54**
	Inlet	33	57	64	68	67	65	59	53	**73**
3	Outlet	41	57	59	62	65	63	59	52	**70**
	Radiated	32	41	43	46	49	53	42	36	**56**
	Inlet	39	50	61	67	68	67	64	63	**74**
4	Outlet	39	49	57	60	64	65	64	61	**70**
	Radiated	34	34	40	44	49	54	46	44	**57**
	Inlet	32	46	55	61	61	60	57	50	**67**
5	Outlet	33	45	53	55	58	59	57	49	**64**
	Radiated	28	30	36	39	43	48	40	33	**50**
	Inlet	32	56	62	67	66	63	57	51	**71**
6	Outlet	40	56	57	61	63	62	57	51	**68**
	Radiated	31	40	42	44	47	52	41	34	**54**
	Inlet	36	47	58	64	65	64	61	60	**71**
7	Outlet	36	46	54	57	61	62	61	58	**67**
	Radiated	31	31	37	41	46	51	43	41	**54**
	Inlet	27	41	50	56	56	55	53	45	**62**
8	Outlet	28	40	48	50	53	54	52	44	**59**
	Radiated	23	25	31	34	38	43	35	28	**45**
	Inlet	29	54	60	65	64	61	55	49	**69**
9	Outlet	38	54	55	59	61	60	55	49	**66**
	Radiated	29	38	40	42	45	50	39	32	**52**

The following sound data is a complementary data taken from S&P sound laboratory according ISO 13347-3, this data is not licensed by AMCA International.

Sound power spectrum (dB(A))

VENT-250NK		63	125	250	500	1000	2000	4000	8000	LwA
	Inlet	31	53	65	66	70	69	67	64	**75**
1	Outlet	33	54	67	65	68	69	67	65	**75**
	Radiated	22	39	40	48	51	53	51	46	**58**
	Inlet	31	49	61	62	65	62	62	54	**70**
2	Outlet	34	51	63	61	63	64	62	55	**70**
	Radiated	24	35	35	45	46	47	46	36	**52**
	Inlet	35	57	68	64	66	63	58	52	**72**
3	Outlet	41	59	62	64	66	65	59	54	**71**
	Radiated	26	43	40	45	47	48	44	36	**53**
	Inlet	28	51	63	64	68	66	64	62	**73**
4	Outlet	31	52	65	62	65	67	65	62	**72**
	Radiated	19	36	37	46	49	50	49	44	**55**
	Inlet	27	45	57	58	62	59	59	51	**66**
5	Outlet	31	48	60	58	60	61	59	52	**67**
	Radiated	21	32	32	41	43	44	43	33	**49**
	Inlet	33	56	66	63	65	62	57	50	**71**
6	Outlet	40	58	61	63	65	64	58	52	**70**
	Radiated	25	41	39	44	46	46	43	34	**52**
	Inlet	25	48	60	60	65	63	61	59	**70**
7	Outlet	27	49	61	59	62	64	61	59	**69**
	Radiated	16	33	34	43	46	47	46	41	**52**
	Inlet	22	41	52	53	57	54	54	46	**61**
8	Outlet	26	43	55	53	55	56	54	47	**62**
	Radiated	16	27	27	36	38	39	38	28	**44**
	Inlet	31	54	64	61	63	60	55	48	**69**
9	Outlet	38	56	59	61	63	62	56	50	**68**
	Radiated	23	39	37	42	44	44	41	32	**50**

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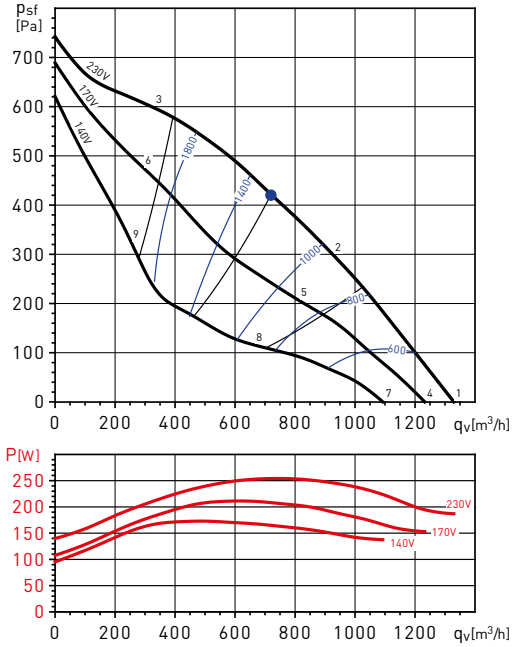
PERFORMANCE CURVES - ACOUSTIC CHARACTERISTICS

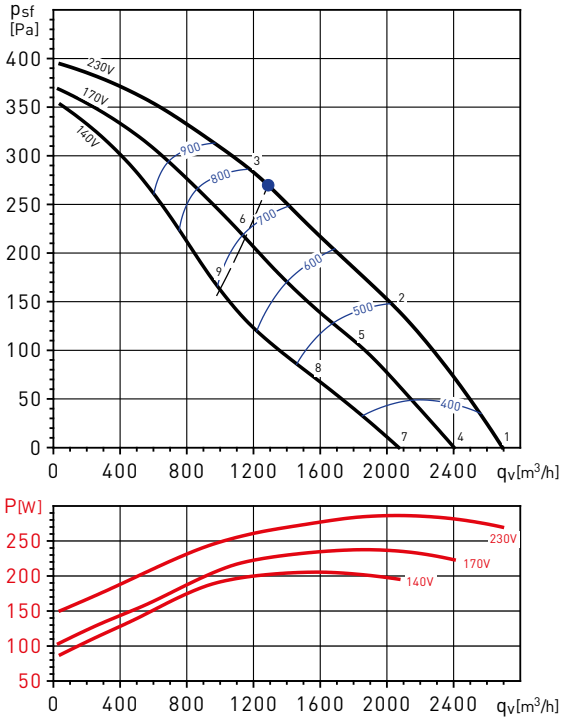
- q_v: Airflow in m^3/h
- p_{sf}: Static pressure in Pa.
- P: Input power in W.
- SFP: Specific fan power in $W/m^3/s$ (blue curves)
- Performance data in accordance with ISO 5801.

Air performance certified by AMCA is for installation type D – Ducted inlet, Ducted outlet.
Performance ratings do not include the effects of appurtenances (accessories).

VENT-315NK



VENT-355N



Sound data

Working point	1	2	3	4	5	6	7	8	9
LwiA	83	81	83	81	77	81	79	71	77

Sound performance certified by AMCA. Values shown are for inlet LwiA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

The following sound data is a complementary data taken from S&P sound laboratory according ISO 13347-3, this data is not licensed by AMCA International.

Sound power spectrum (dB(A))

VENT-315NK		63	125	250	500	1000	2000	4000	8000	LwA
1	Inlet	45	56	71	73	75	72	69	69	**80**
	Outlet	42	53	71	70	76	74	70	69	**80**
	Radiated	37	33	46	48	51	55	53	49	**59**
2	Inlet	39	59	70	71	73	68	67	61	**78**
	Outlet	44	56	68	71	72	71	68	63	**78**
	Radiated	34	36	45	49	48	51	51	42	**57**
3	Inlet	46	69	76	73	75	69	67	59	**80**
	Outlet	52	67	74	71	75	72	67	61	**80**
	Radiated	42	45	48	51	51	53	51	41	**59**
4	Inlet	43	54	69	71	73	70	67	67	**78**
	Outlet	40	51	69	68	74	73	68	67	**79**
	Radiated	35	31	44	47	49	53	51	47	**57**
5	Inlet	35	55	67	68	69	64	63	58	**74**
	Outlet	40	52	64	67	69	68	64	59	**74**
	Radiated	31	32	41	45	45	48	47	38	**53**
6	Inlet	43	67	73	71	72	67	64	57	**78**
	Outlet	49	65	71	69	72	70	65	59	**77**
	Radiated	39	42	46	49	48	51	49	38	**56**
7	Inlet	41	51	67	69	71	67	65	65	**76**
	Outlet	38	49	67	66	72	70	66	65	**76**
	Radiated	32	29	42	44	46	50	49	44	**55**
8	Inlet	29	49	61	62	63	58	58	52	**68**
	Outlet	34	47	59	61	63	62	58	53	**68**
	Radiated	25	26	35	40	39	42	42	33	**47**
9	Inlet	39	63	69	67	68	63	60	53	**74**
	Outlet	45	61	67	65	68	66	61	55	**73**
	Radiated	35	38	42	45	44	47	45	34	**52**

Sound power spectrum (dB(A))

VENT-355N		63	125	250	500	1000	2000	4000	8000	LwA
1	Inlet	43	60	65	67	67	62	61	48	**72**
	Outlet	42	57	64	70	71	68	61	50	**75**
	Radiated	34	50	47	47	49	42	40	28	**55**
2	Inlet	39	57	63	65	66	60	57	48	**70**
	Outlet	39	55	64	70	69	66	58	49	**74**
	Radiated	30	47	45	45	48	40	36	28	**53**
3	Inlet	44	59	66	67	67	60	57	48	**72**
	Outlet	42	56	65	71	69	66	59	50	**75**
	Radiated	35	49	48	47	49	40	36	28	**55**
4	Inlet	41	58	63	65	65	60	59	46	**70**
	Outlet	40	55	62	68	69	66	59	48	**73**
	Radiated	32	48	45	45	47	40	38	26	**53**
5	Inlet	37	55	61	63	64	58	55	46	**68**
	Outlet	37	53	62	68	67	64	56	47	**72**
	Radiated	28	45	43	43	46	38	34	26	**50**
6	Inlet	42	57	64	65	65	58	55	46	**70**
	Outlet	40	54	63	69	67	64	57	48	**73**
	Radiated	33	47	46	45	47	38	34	26	**53**
7	Inlet	38	55	60	62	62	57	56	43	**67**
	Outlet	37	52	59	65	66	63	56	45	**70**
	Radiated	29	45	42	42	44	37	35	23	**50**
8	Inlet	33	51	57	59	60	54	51	42	**65**
	Outlet	33	49	58	64	63	60	52	43	**68**
	Radiated	24	41	39	39	42	34	30	22	**47**
9	Inlet	39	54	61	62	62	55	52	43	**67**
	Outlet	37	51	60	66	64	61	54	45	**70**
	Radiated	30	44	43	42	44	35	31	23	**50**

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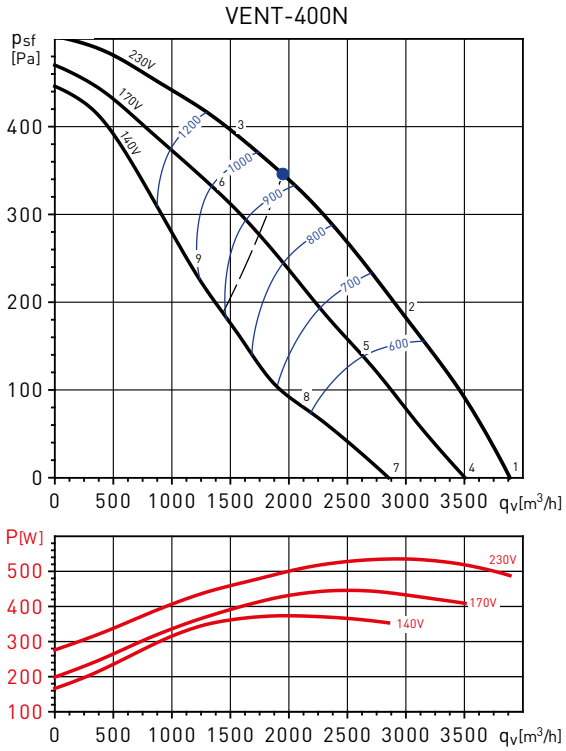
PERFORMANCE CURVES - ACOUSTIC CHARACTERISTICS

- q_v: Airflow in m^3/h
- p_{sf}: Static pressure in Pa.
- P: Input power in W.
- SFP: Specific fan power in $W/m^3/s$ (blue curves)
- Performance data in accordance with ISO 5801.

Air performance certified by AMCA is for installation type D – Ducted inlet, Ducted outlet.
Performance ratings do not include the effects of appurtenances (accessories).



Sound power spectrum (dB(A))

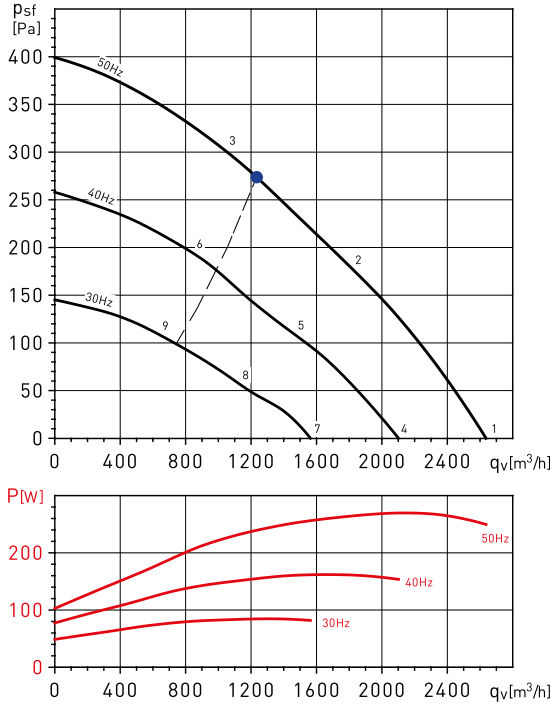
VENT-400N		63	125	250	500	1000	2000	4000	8000	LwA
1	Inlet	44	62	69	72	71	66	62	52	**76**
	Outlet	47	64	67	71	74	69	61	52	**77**
	Radiated	37	51	57	56	59	51	48	43	**63**
2	Inlet	42	60	66	70	68	62	58	50	**74**
	Outlet	45	62	65	69	71	66	57	49	**75**
	Radiated	35	49	54	54	56	48	45	40	**60**
3	Inlet	44	61	68	68	65	59	54	47	**73**
	Outlet	46	62	66	68	70	65	56	48	**74**
	Radiated	37	50	57	52	53	44	41	37	**60**
4	Inlet	42	61	67	70	69	64	60	51	**74**
	Outlet	45	62	65	69	72	67	59	51	**75**
	Radiated	35	50	55	54	57	49	47	41	**61**
5	Inlet	39	58	63	67	65	60	56	47	**71**
	Outlet	43	59	62	66	68	64	55	46	**72**
	Radiated	32	47	52	51	53	45	42	37	**58**
6	Inlet	42	60	67	67	64	57	53	46	**71**
	Outlet	44	60	65	67	68	64	55	47	**73**
	Radiated	35	49	55	51	52	43	39	36	**59**
7	Inlet	38	57	63	66	65	60	56	47	**70**
	Outlet	41	58	61	65	68	63	55	47	**71**
	Radiated	31	46	51	50	53	45	43	37	**57**
8	Inlet	34	53	58	62	60	55	51	42	**66**
	Outlet	38	54	57	61	63	58	49	41	**67**
	Radiated	27	42	47	46	48	40	37	32	**53**
9	Inlet	39	57	64	64	61	54	50	43	**68**
	Outlet	41	57	62	64	65	61	52	44	**69**
	Radiated	32	46	52	48	49	40	36	33	**55**

PERFORMANCE CURVES - ACOUSTIC CHARACTERISTICS

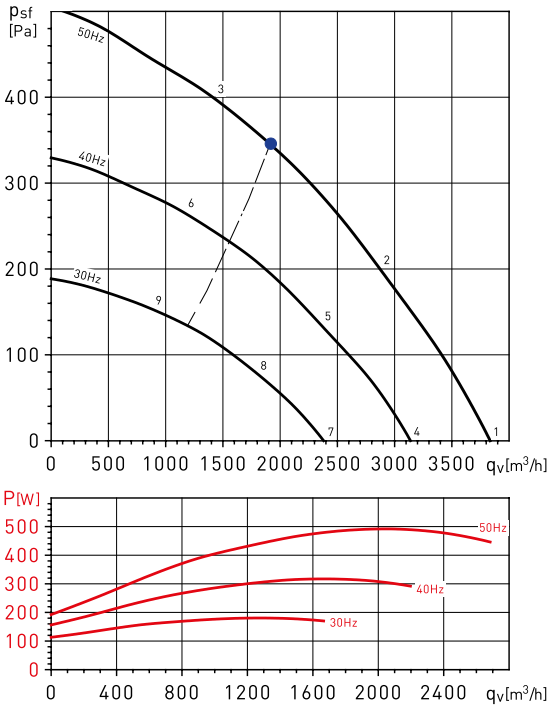
- q_v: Airflow in m^3/h
- p_{sf}: Static pressure in Pa.
- P: Input power in W.
- SFP: Specific fan power in $W/m^3/s$ (blue curves)
- Performance data in accordance with ISO 5801.

Air performance certified by AMCA is for installation type D – Ducted inlet, Ducted outlet.
Performance ratings do not include the effects of appurtenances (accessories).

VENT-355N T



VENT-400N T



Sound power spectrum (dB(A))

VENT-355N T		63	125	250	500	1000	2000	4000	8000	LwA
	Inlet	43	59	64	69	67	64	60	48	**73**
1	Outlet	43	65	65	69	70	68	59	50	**75**
	Radiated	30	53	48	50	53	47	39	27	**58**
	Inlet	38	55	60	64	63	60	53	44	**68**
2	Outlet	39	61	60	66	67	64	54	46	**71**
	Radiated	25	49	44	45	49	43	32	23	**54**
	Inlet	43	60	65	66	64	59	54	48	**71**
3	Outlet	43	62	65	67	67	64	54	46	**72**
	Radiated	30	54	49	47	50	42	33	27	**57**
	Inlet	38	54	59	64	62	59	55	43	**68**
4	Outlet	38	60	60	64	65	63	54	45	**70**
	Radiated	25	48	43	45	48	42	34	22	**53**
	Inlet	33	50	55	59	58	55	48	39	**64**
5	Outlet	34	56	55	61	62	59	49	41	**67**
	Radiated	20	44	39	40	44	38	27	18	**49**
	Inlet	38	55	60	61	59	54	49	43	**66**
6	Outlet	38	57	60	62	62	59	49	41	**68**
	Radiated	25	49	44	42	45	37	28	22	**52**
	Inlet	32	48	53	58	56	53	49	37	**62**
7	Outlet	32	54	54	58	59	57	48	39	**64**
	Radiated	19	42	37	39	42	36	28	16	**47**
	Inlet	27	44	49	53	52	49	42	33	**57**
8	Outlet	28	50	49	55	56	53	43	35	**60**
	Radiated	14	38	33	34	38	32	21	12	**43**
	Inlet	32	49	54	55	53	48	43	37	**60**
9	Outlet	32	51	54	56	56	53	43	35	**61**
	Radiated	19	43	38	36	39	31	22	16	**46**

Sound power spectrum (dB(A))

VENT-400N T		63	125	250	500	1000	2000	4000	8000	LwA
	Inlet	44	63	67	70	67	64	60	53	**74**
1	Outlet	48	66	67	70	73	69	61	54	**77**
	Radiated	32	54	54	53	57	52	46	36	**61**
	Inlet	40	59	64	68	64	61	57	52	**71**
2	Outlet	44	63	65	68	70	65	57	50	**74**
	Radiated	28	50	51	51	54	49	43	35	**58**
	Inlet	47	63	68	69	65	60	56	55	**73**
3	Outlet	48	63	67	68	69	64	57	49	**74**
	Radiated	35	54	55	52	55	48	42	38	**61**
	Inlet	39	58	62	65	62	59	55	48	**69**
4	Outlet	43	61	62	65	68	64	56	49	**72**
	Radiated	27	49	49	48	52	47	41	31	**57**
	Inlet	35	54	59	63	59	56	52	47	**67**
5	Outlet	39	58	60	63	65	60	52	45	**69**
	Radiated	23	45	46	46	49	44	38	30	**54**
	Inlet	42	58	63	64	60	55	51	50	**68**
6	Outlet	43	58	62	63	64	59	52	44	**69**
	Radiated	30	49	50	47	50	43	37	33	**56**
	Inlet	33	52	56	59	56	53	49	42	**63**
7	Outlet	37	55	56	59	62	58	50	43	**66**
	Radiated	21	43	43	42	46	41	35	25	**50**
	Inlet	29	48	53	57	53	50	46	41	**60**
8	Outlet	33	52	54	57	59	54	46	39	**63**
	Radiated	17	39	40	40	43	38	32	24	**47**
	Inlet	36	52	57	58	54	49	45	44	**62**
9	Outlet	37	52	56	57	58	53	46	38	**63**
	Radiated	24	43	44	41	44	37	31	27	**49**

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MOUNTING ACCESSORIES

MBE
Electric heater.

MBW
Hot water coil.

SIL
Circular sound attenuators.

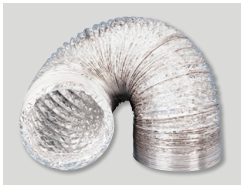
MFL-G4
Filtration box of G4 grade filtration.

MFL-F
Box in galvanized steel for inserting the MFR F5, F6 and F7 filters.

Mounting foot
(supplied with unit as standard).

ACOP-VENT
Flexible connectors.

DEF-VENT
Protection grille.



GSA-M0
Aluminium flexible ducting.

GSI-M0
Insulated aluminium ducting.

CX
Worm drive duct connectors.

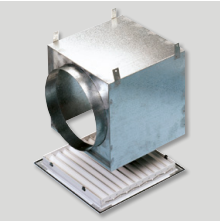
BOC
Metal inlet valves.

BOR
Plastic inlet valves.

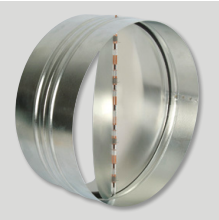
GCI
Circular inlet grilles.

GRI
Interior square grilles.

VR
GCI mounting frame.



RP
GRI mounting frame.



CAR
Backdraught shutters.

For more information see Mounting accessories.

ELECTRICAL ACCESSORIES

REB
Electronic single phase speed controllers.

RMB
Autotransformer single phase speed controllers.

PARO/MARCHA 5P and 8P
ON/OFF electrical isolation switch.

PULSER
Electric heater controllers for 1Ph models up to 3600W and 3Ph models up to 6400W.

TTC 2000
Electric heater controllers for 3 phase models.

TG-K
Duct temperature sensor.

TG-R
Room wall mounted temperature sensor.

For more information see Electrical accessories.