

CC-HP

Axial Fan



DYNNAIR[®]
INDUSTRIAL VENTILATION

DYNAIR® is the industrial division of Maico Italia S.p.A. and is a well known brand name at global level in the industrial ventilation and plant engineering sector. Technological expertise, high production capacities, strong research and investment policies together with a personalized back-up service focused on customer needs have, for over 30 years, been the qualities that distinguish our company: Italian excellence renowned throughout the world and an industrial concern fortified by belonging to Maico Holding GmbH, the German group that leads the way in the ventilation industry.

Experience and high technology at your service
Living in a market in continuous evolution, DYNAIR® bases its force on a step by step project follow-up in close collaboration with the customer to create tailored and highly reliable solutions.

DYNAIR's® products follow stringent policy of research and development. With safety as a priority during production, all products use top quality components that meet the relevant standards.

CC-HP - Axial Fan

GENERAL DESCRIPTION

The Tube axial fans of CC-HP series are used for ducted/ non ducted installation required large air flow with relatively low pressure drop, general ventilation and extraction, cooling and refrigeration in industrial, naval commercial, civil, energetic fields, electromechanical cooling, environmental control -crop storage, petrochemical process ventilation, This series has the advantage of being smaller in dimension and easier to install. The series consist of different sizes with impeller diameter from 400 to 1250 mm. CC-HP fans can be fitted with motor of different polarity, depending required performances. Suitable for conveying clean air with temperature from -10°C to 50°C in (S1) continuous service.



CC400HP & CC450HP



CC500HP to CC1250HP

Maico Gulf LLC. certifies that the DYNAIR model CC 400 HP to CC 1250 HP 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.

The AMCA Certified Ratings Seal applies to air performance and sound for Models CC400HP to CC1250HP only.

The AMCA Certified Ratings Seal applies to FEG for models CC500HP to CC1250HP only.



Our Total Quality policy is ensured by standard working procedures, with tests and inspections during all production phases.

DYNAIR® facility is ISO 9001: 2000 certified.

With our production capability, wide range of finished products and components warehouse, we ensure quick delivery to all our customers. Our staff is trained and dedicated to provide before and after technical plus sales services.

CONSTRUCTION

Short Casing in steel sheet, with fixing flanges manufactured according to UNI ISO 6580-EUROVENT standard. Protected against atmospheric agent by anticorrosive epoxy paint, fully adjustable high performance Axial Impeller with aero foil profile blades and hub in Die Cast Aluminium, x-ray Inspection, Multiple blade configurations for optimum performance, all impeller are statically and dynamically balanced according ISO1940 and AMCA 204-G2.5 Standard. Variable pitch angle in still position with setting means, Impeller directly coupled to the motor and air flow from motor to impeller, all fans after assembly are trim-balanced to ISO1940 and AMCA 204 -G2.5 standard.

MOTOR

Asynchronous three/single phase Motor according to international standard IEC 600034, IEC 60072, EMC 2004/108/CE LVD 2006/95/CE Marked IP 55 CL F/H

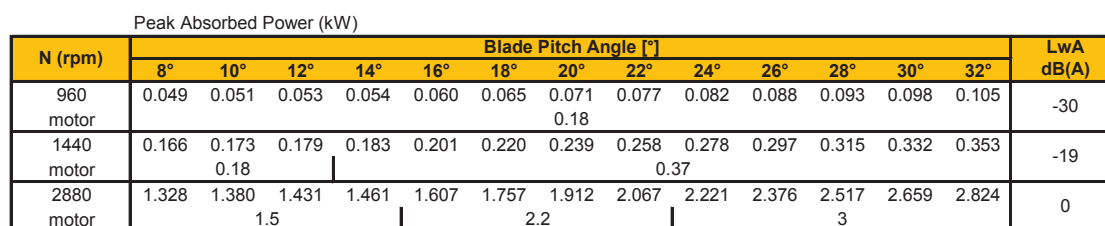
ACCESSORIES

- Flat (CCr) / Conical (CCrc) Protection guard
- Flexible Connector (CCga).
- Support feet (CCst).
- Inlet/Outlet bell Mouth (CCbo).
- Silencer with or without Pod, in three lengths (CCsa & CCsb).
- Counter Flange (CCf)/ Counter Flange with collar (CCfc)
- Anti-Vibration mounts

UPON REQUEST

- Performances differing from standard
- Long and medium mild steel casing version.
- Casing protection by hot dipped Galvanised and stainless steel.
- Air flow from impeller to motor
- External terminal box (IP 55/65)
- Multi-stage versions for higher pressure development (iso-rotating or contra-rotating)
- Energy saving with IE2 motor.
- Back Draught Damper
- Explosion proof with ATEX directive
- Completely reversible impeller

Hub size :210mm

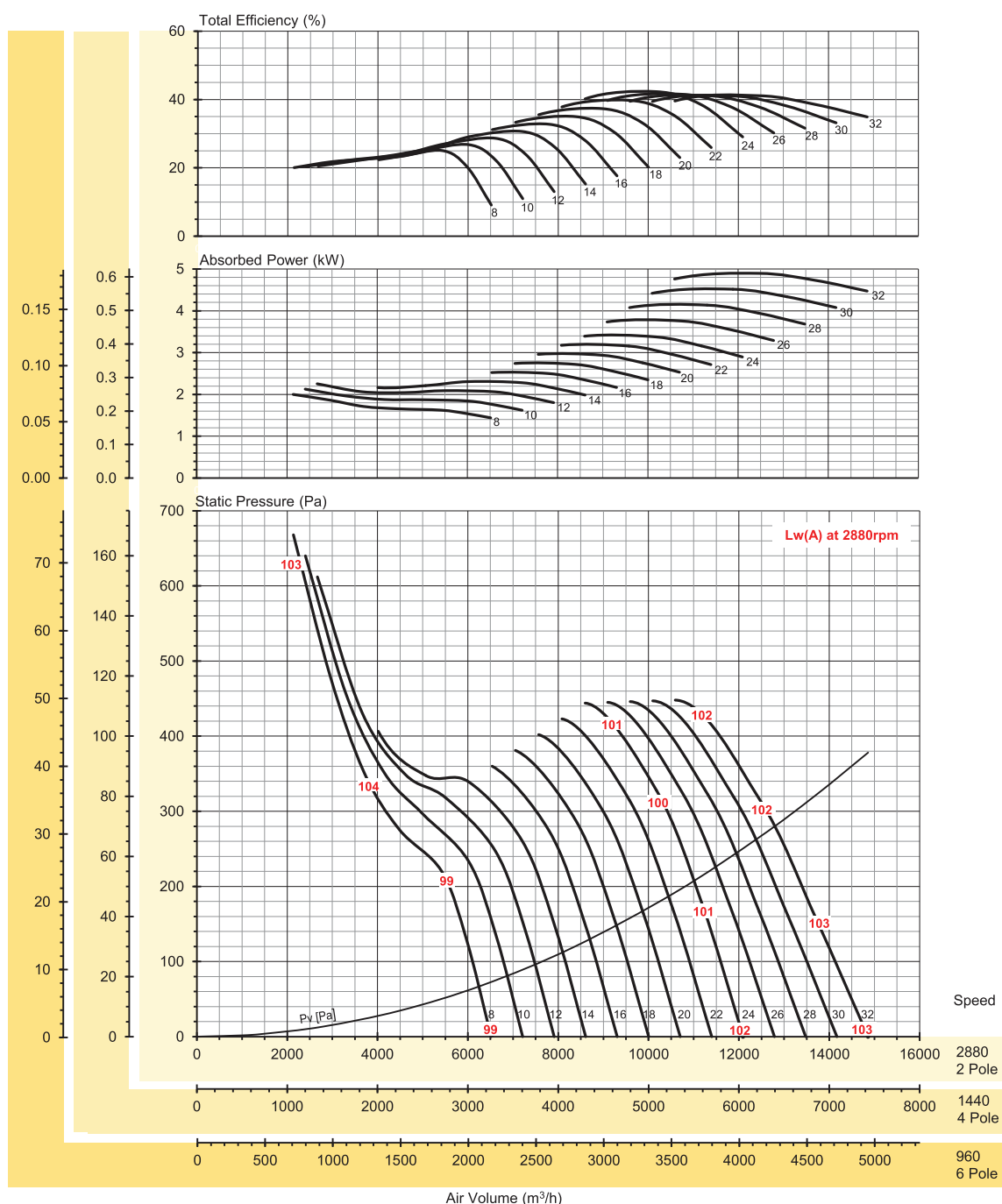


* The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

50Hz CC 450/9 T HP

Hub size :210mm

$\rho = 1.2\text{kg/m}^3$



Peak Absorbed Power (kW)														
N (rpm)	Blade Pitch Angle [°]													LwA dB(A)
	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	
960 motor	0.074	0.079	0.083	0.085	0.093	0.102	0.110	0.118	0.126	0.139	0.153	0.167	0.181	-29
1440 motor	0.250	0.266	0.282	0.288	0.316	0.343	0.370	0.397	0.424	0.470	0.517	0.565	0.612	-18
2880 motor	2.000	2.127	2.254	2.307	2.524	2.741	2.958	3.175	3.392	3.756				0

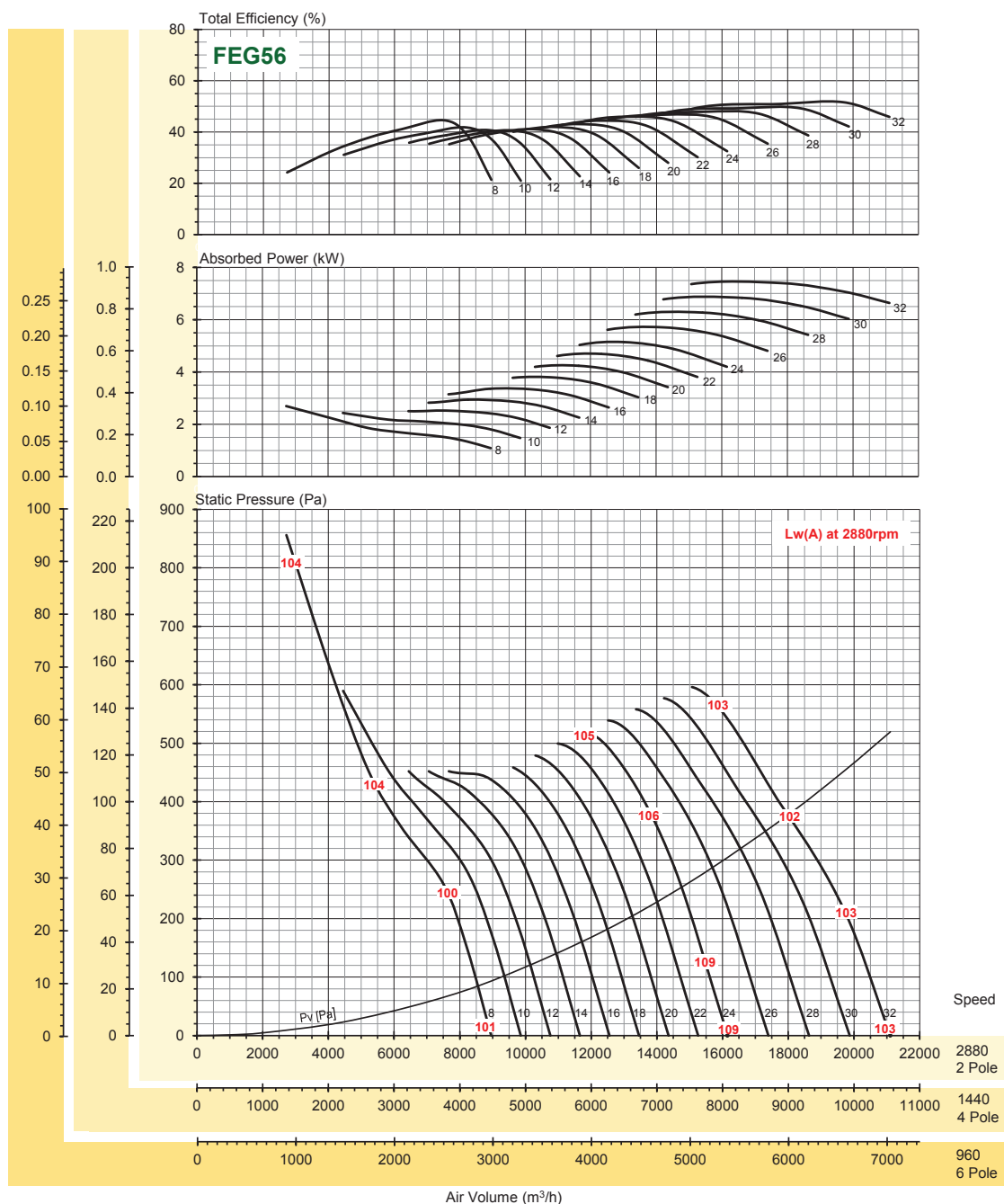
* Performance certified for installation type D - Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

* The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

50Hz CC 500/9 T HP

Hub size :210mm

$\rho = 1.2\text{kg/m}^3$



Peak Absorbed Power (kW)														
N (rpm)	Blade Pitch Angle [°]													LwA dB(A)
	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	
960 motor	0.100	0.090	0.093	0.109	0.124	0.140	0.157	0.174	0.191	0.211	0.232	0.253	0.274	-28
					0.18						0.37			
1440 motor	0.337	0.304	0.316	0.368	0.420	0.473	0.530	0.586	0.643	0.714	0.784	0.855	0.925	-17
			0.37			0.55			0.75			1.1		
2880 motor	2.696	2.434	2.524	2.942	3.360	3.785	4.238	4.691	5.144	5.708	6.272	6.836	7.400	0
			3			4			5.5			7.5		

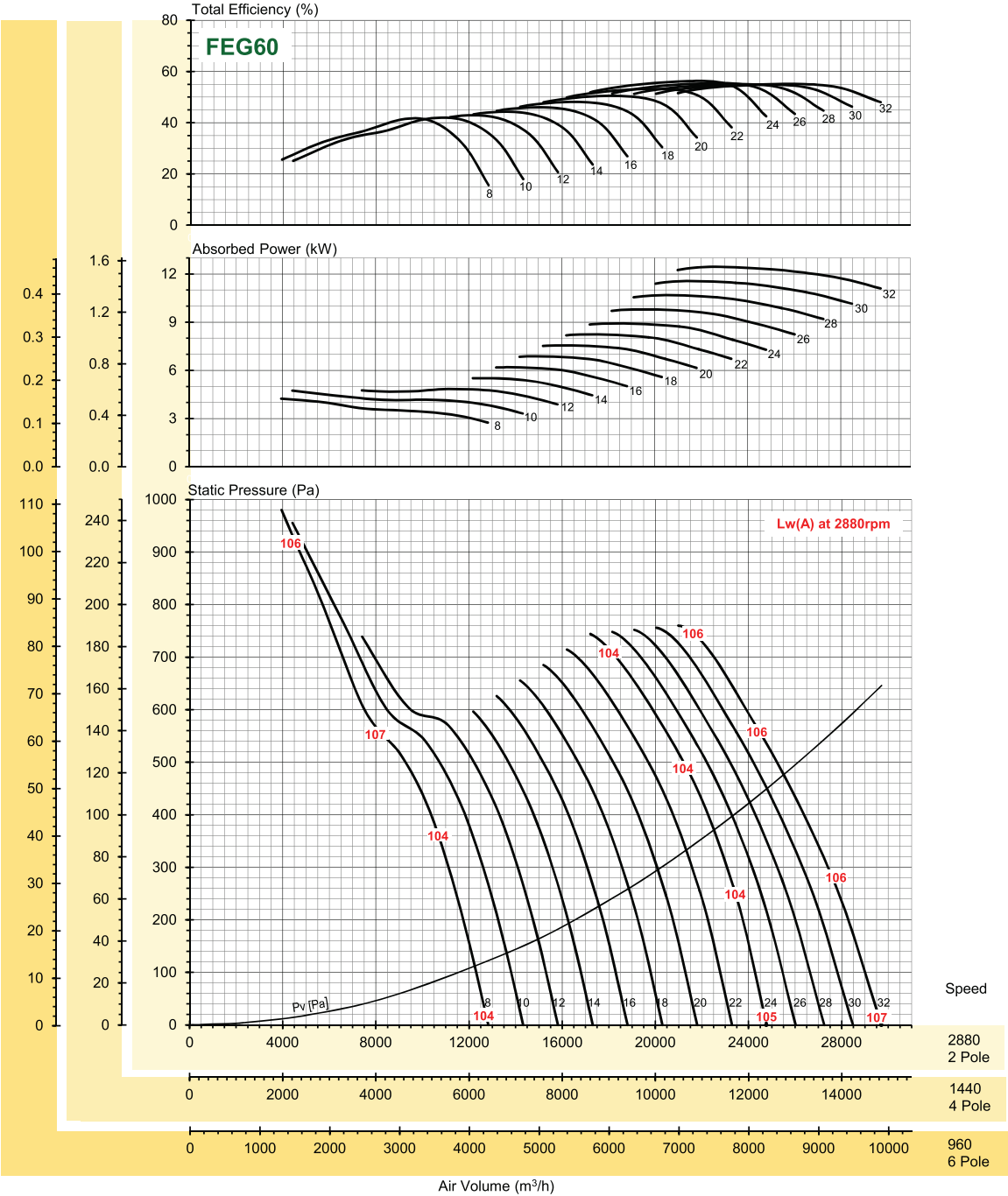
* Performance certified for installation type D - Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

* The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

50Hz CC 560/9 T HP

Hub size :210mm

$\rho = 1.2\text{kg/m}^3$



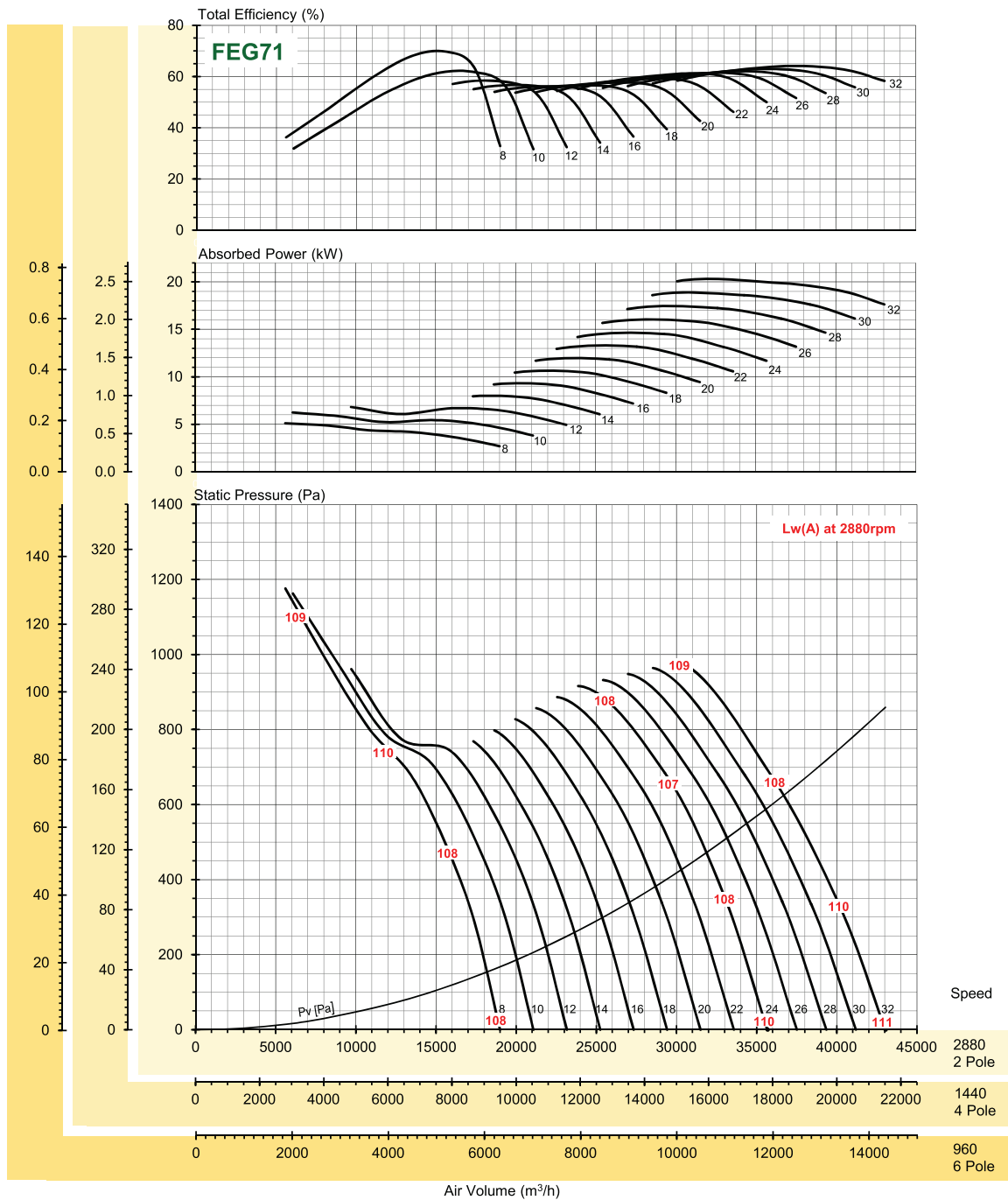
Peak Absorbed Power (kW)														
N (rpm)	Blade Pitch Angle [°]													LwA dB(A)
	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	
960 motor	0.157	0.176	0.179	0.213	0.229	0.252	0.278	0.315	0.328	0.359	0.391	0.424	0.458	-27
		0.18					0.37					0.55		
1440 motor	0.530	0.592	0.605	0.719	0.773	0.852	0.940	1.064	1.107	1.213	1.319	1.432	1.545	-16
	0.55		0.75			1.1				1.5		2.2		
2880 motor	4.240	4.739	4.842	5.752	6.180	6.816								0
		5.5			7.5									

* Performance certified is for installation type D - Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
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50Hz CC 630/9 T HP

Hub size: 210 mm

$\rho = 1.2\text{kg/m}^3$



N (rpm)	Blade Pitch Angle [°]													LwA dB(A)
	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	
960 motor	0.189	0.231	0.257	0.294	0.341	0.389	0.438	0.488	0.537	0.589	0.638	0.689	0.743	-27
1440 motor	0.639	0.781	0.867	0.993	1.150	1.312	1.479	1.647	1.814	1.987	2.154	2.325	2.508	-16
2880 motor	5.112	6.246	6.936	7.945	9.196	10.49	11.83	13.17	14.51	15.89	17.23			0

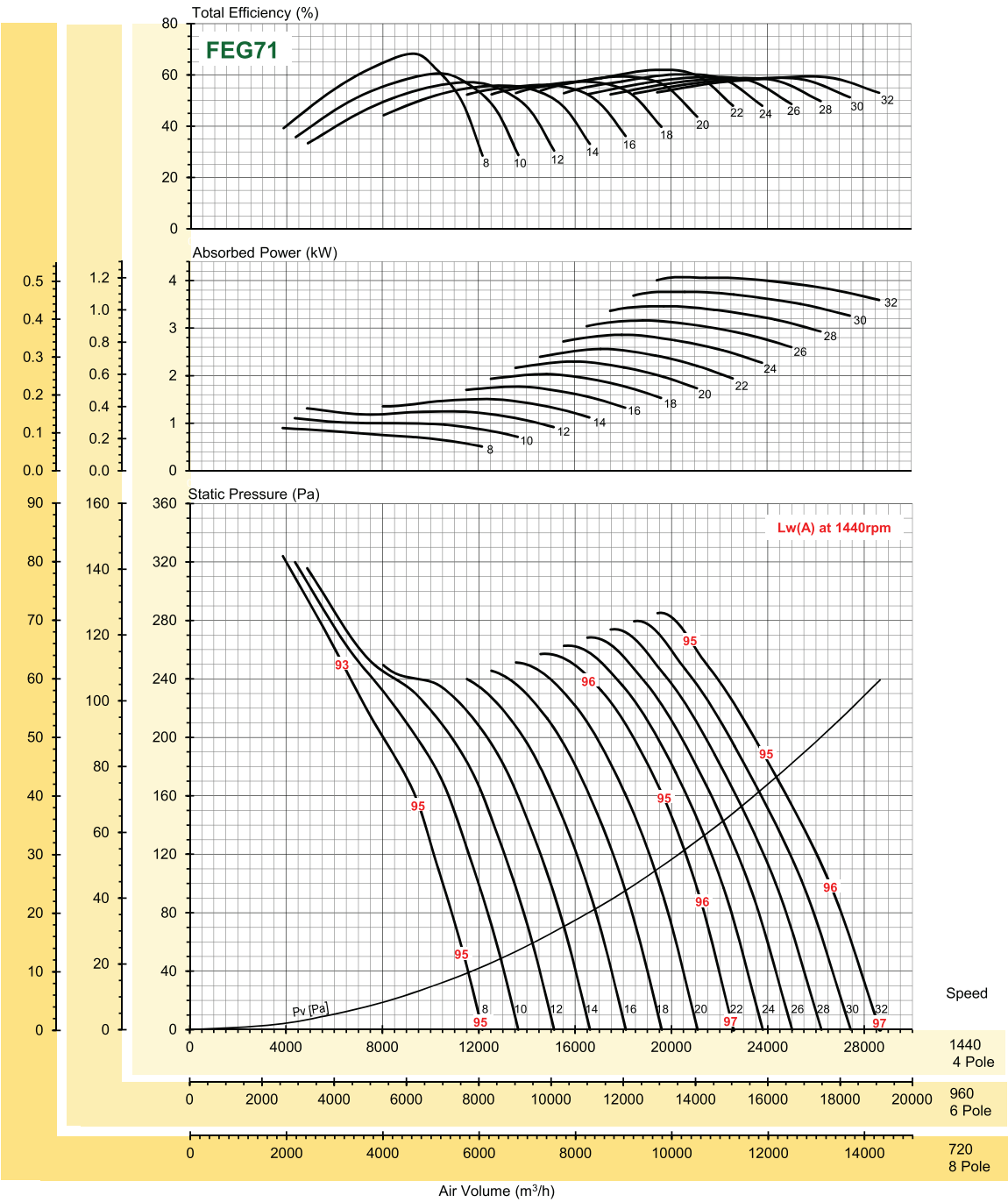
* Performance certified for installation type D - Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

* The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

50Hz CC 710/9 T HP

Hub size: 210 mm

$\rho = 1.2\text{kg/m}^3$



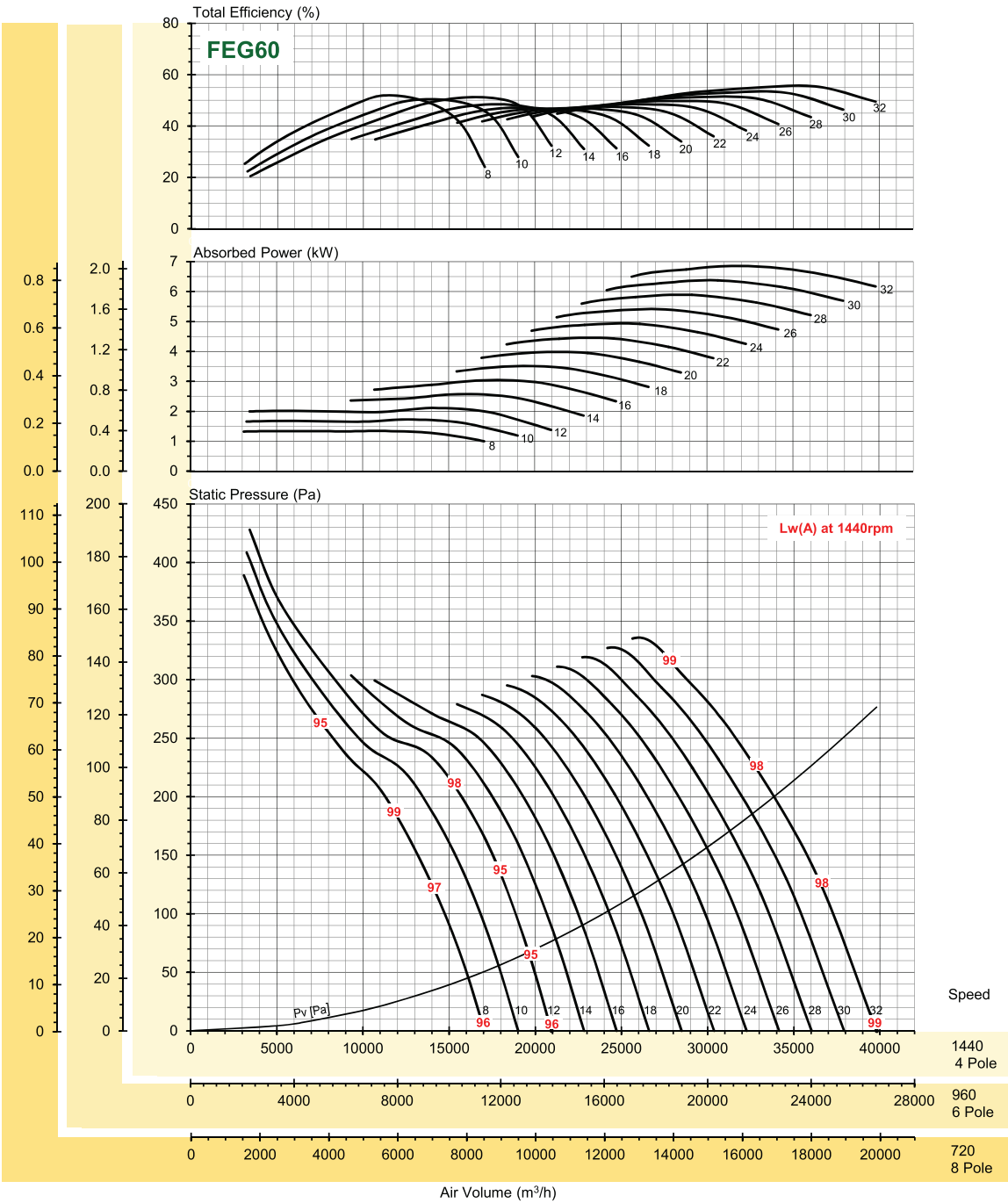
Peak Absorbed Power (kW)														
N (rpm)	Blade Pitch Angle [°]													LwA dB(A)
	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	
720 motor	0.112	0.138	0.164	0.188	0.221	0.254	0.287	0.320	0.358	0.395	0.433	0.470	0.508	-17
960 motor	0.266	0.328	0.389	0.446	0.524	0.603	0.681	0.759	0.848	0.937	1.025	1.114	1.203	-10
1440 motor	0.899	1.106	1.312	1.505	1.770	2.034	2.298	2.562	2.862	3.161	3.461	3.760	4.060	0

* Performance certified is for installation type D - Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
* The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

50Hz CC 800/6 T HP

Hub size: 320 mm

$\rho = 1.2\text{kg/m}^3$



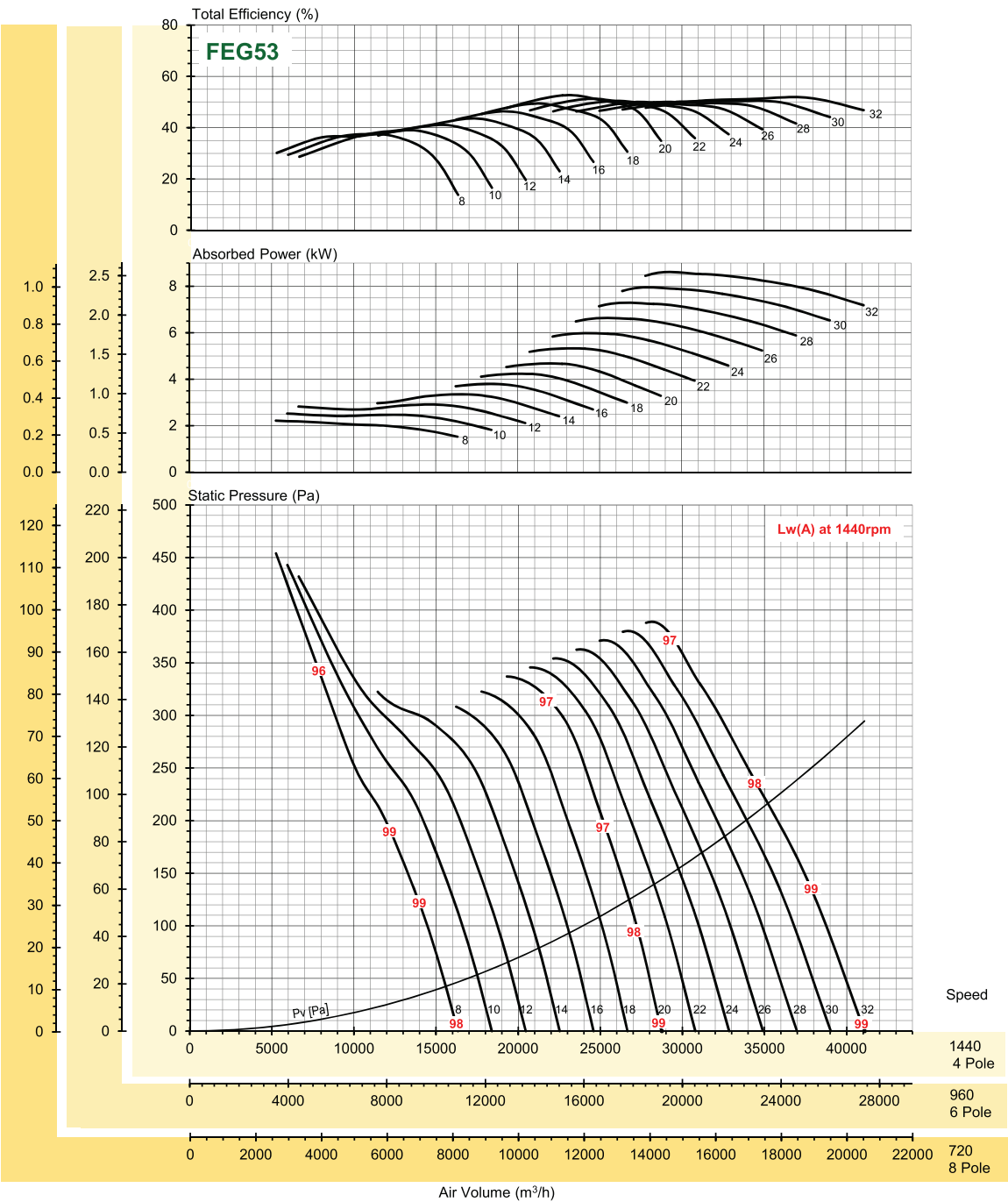
Peak Absorbed Power (kW)														
N (rpm)	Blade Pitch Angle [°]													LwA dB(A)
	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	
720 motor	0.168 0.18	0.216	0.264 0.37	0.322	0.380	0.437 0.55	0.495	0.554	0.615	0.675 0.75	0.736	0.797	0.858 1.1	-18
960 motor	0.398 0.55	0.512 0.75	0.625 0.75	0.762	0.900 1.1	1.037	1.174	1.313 1.5	1.457	1.601 2.2	1.745	1.889	2.033	-11
1440 motor	1.343 1.5	1.727 2.2	2.110 3	2.573	3.036	3.499 4	3.962	4.431	4.917 5.5	5.403	5.888	6.374 7.5	6.860	0

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50Hz CC 800/9 T HP

Hub size: 320 mm

$\rho = 1.2\text{kg/m}^3$



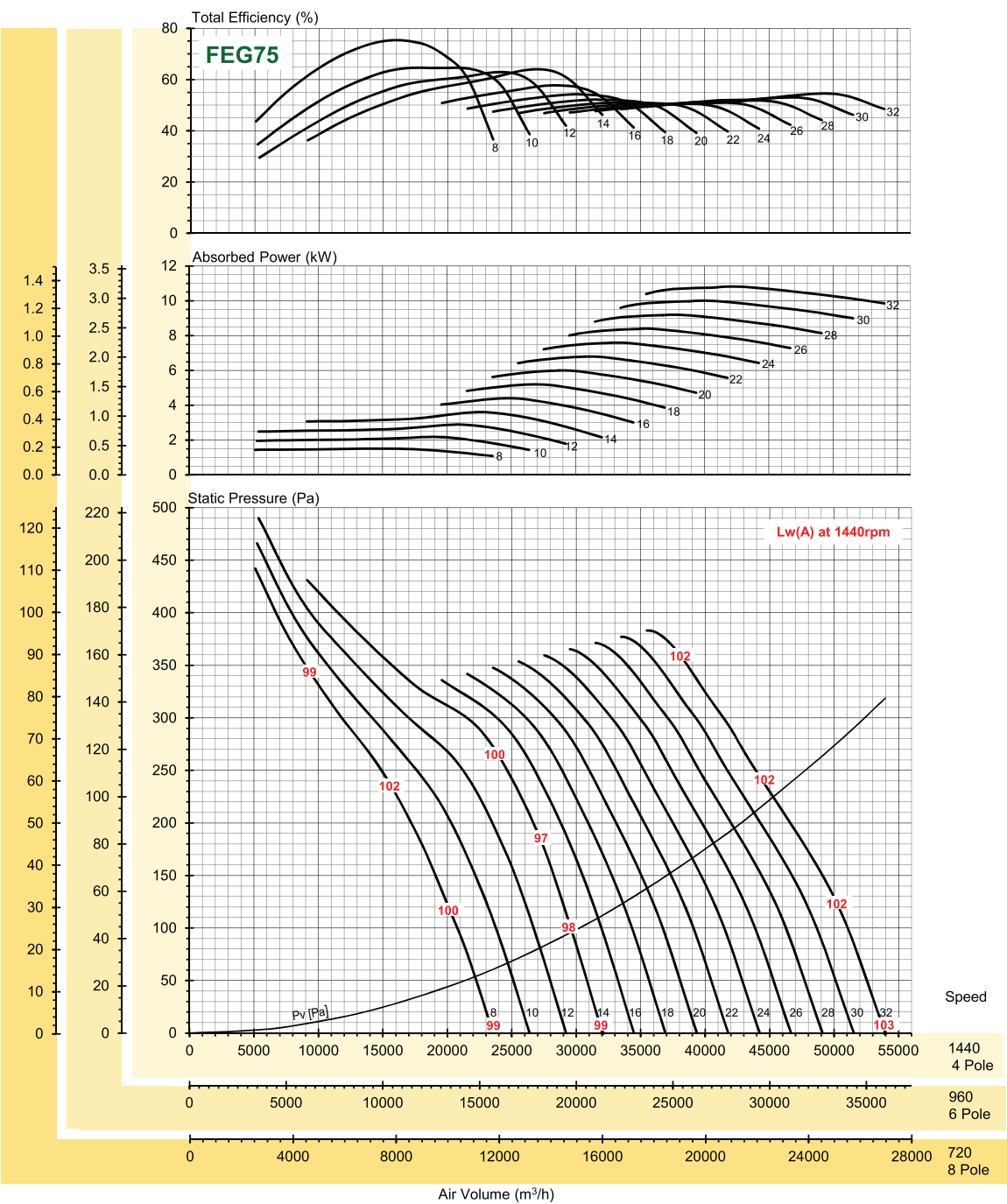
N (rpm)	Blade Pitch Angle [°]													LwA dB(A)
	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	
720 motor	0.278	0.316	0.362	0.417	0.473	0.528	0.584	0.664	0.744	0.825	0.905	0.986	1.066	-17
		0.37			0.55			0.75			1.1			
960 motor	0.658	0.748	0.857	0.989	1.120	1.252	1.383	1.574	1.764	1.955	2.146	2.337	2.527	-10
		0.75		1.1		1.5			2.2			3		
1440 motor	2.221	2.524	2.894	3.338	3.781	4.225	4.668	5.312	5.955	6.599	7.243	7.886	8.530	0
		3		4		5.5			7.5			11		

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50Hz CC 900/6 T HP

Hub size: 320 mm

$\rho = 1.2\text{kg/m}^3$



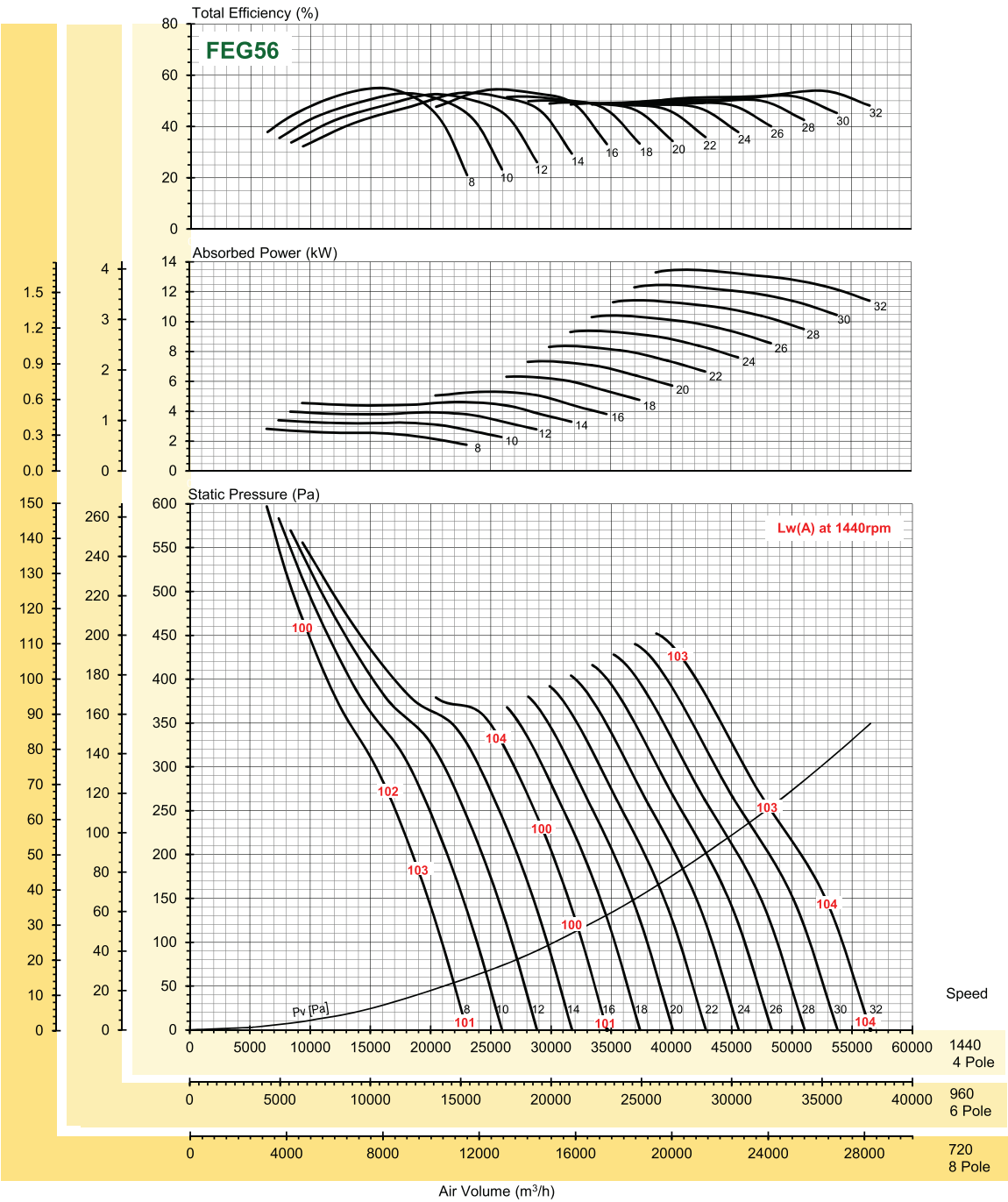
Peak Absorbed Power (kW)													
N (rpm)	Blade Pitch Angle [°]												
	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°
720 motor	0.190	0.273	0.362	0.451	0.551	0.650	0.750	0.849	0.949	1.048	1.147	1.247	1.347
		0.37		0.55		0.75		1.1				1.5	
960 motor	0.449	0.647	0.858	1.070	1.305	1.541	1.777	2.013	2.248	2.484	2.720	2.956	3.193
	0.55	0.75		1.1		1.5		2.2		3		4	
1440 motor	1.516	2.182	2.897	3.611	4.406	5.202	5.997	6.793	7.588	8.384	9.179	9.975	10.775
		2.2	3	4		5.5		7.5			11		

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50Hz CC 900/9 T HP

Hub size: 320 mm

$\rho = 1.2\text{kg/m}^3$



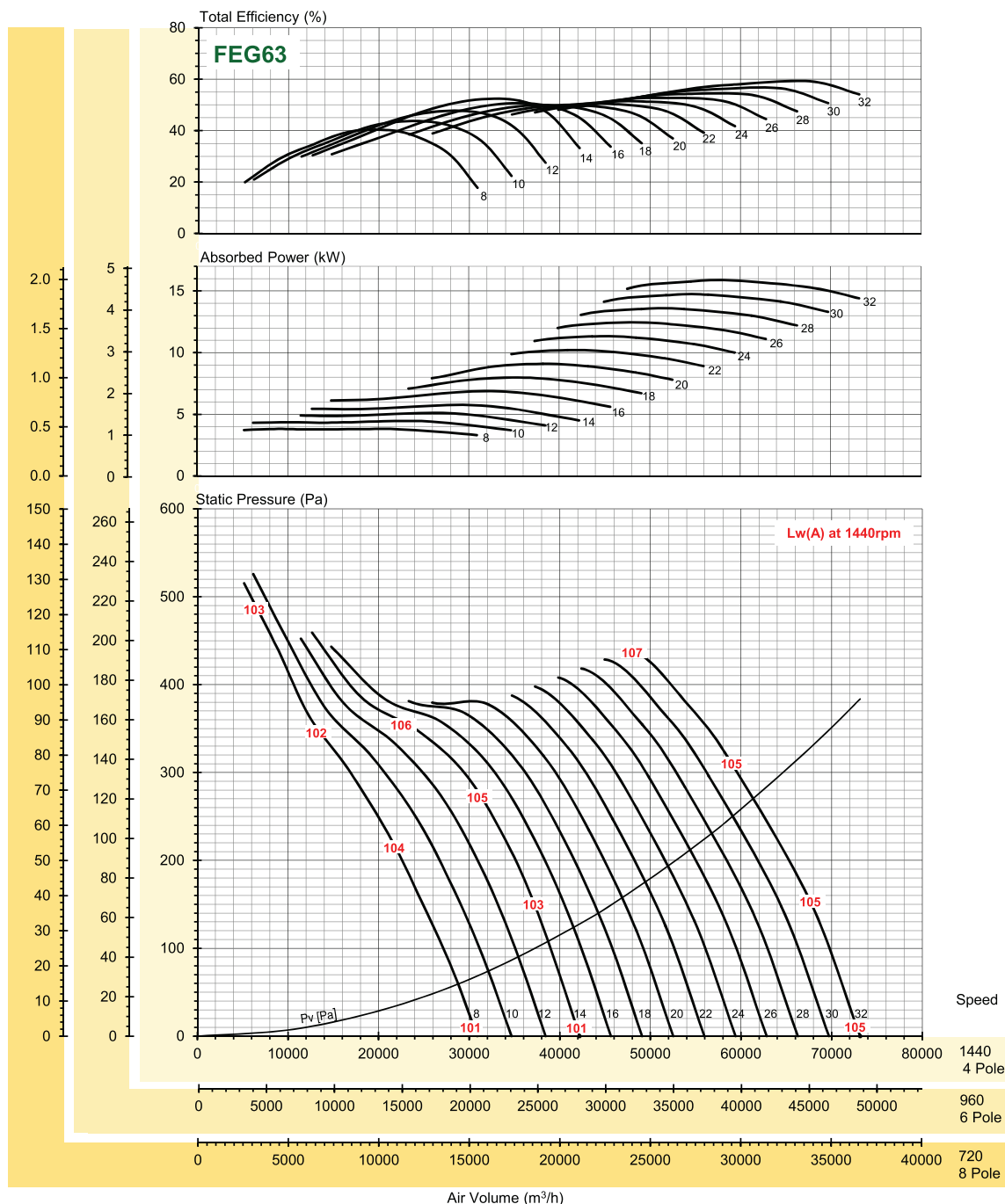
Peak Absorbed Power (kW)														
N (rpm)	Blade Pitch Angle [°]													LwA dB(A)
	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	
720 motor	0.353 0.37	0.425 0.55	0.497	0.578 0.75	0.665	0.789	0.914 1.1	1.039	1.163	1.288 1.5	1.413	1.537 2.2	1.662	-17
960 motor	0.838 1.1	1.008	1.179 1.5	1.370	1.576	1.871 2.2	2.167	2.462 3	2.757	3.053	3.348 4	3.644	3.939	-10
1440 motor	2.827 3	3.403 4	3.979	4.624 5.5	5.318	6.315 7.5	7.312	8.309	9.306 11	10.30	11.30	12.30 15	13.29	0

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50Hz CC 1000/6 T HP

Hub size: 320 mm

$\rho = 1.2\text{kg/m}^3$



Peak Absorbed Power (kW)														
N (rpm)	Blade Pitch Angle [°]													LwA dB(A)
	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	
720 motor	0.476	0.558	0.639	0.720	0.859	0.998	1.137	1.276	1.414	1.553	1.692	1.837	1.982	-18
960 motor	1.129	1.321	1.514	1.706	2.035	2.364	2.694	3.023	3.353	3.682	4.011	4.354	4.698	-10
1440 motor	3.81	4.46	5.11	5.76	6.87	7.98	9.09	10.20	11.32	12.43	13.54	14.70	15.86	0

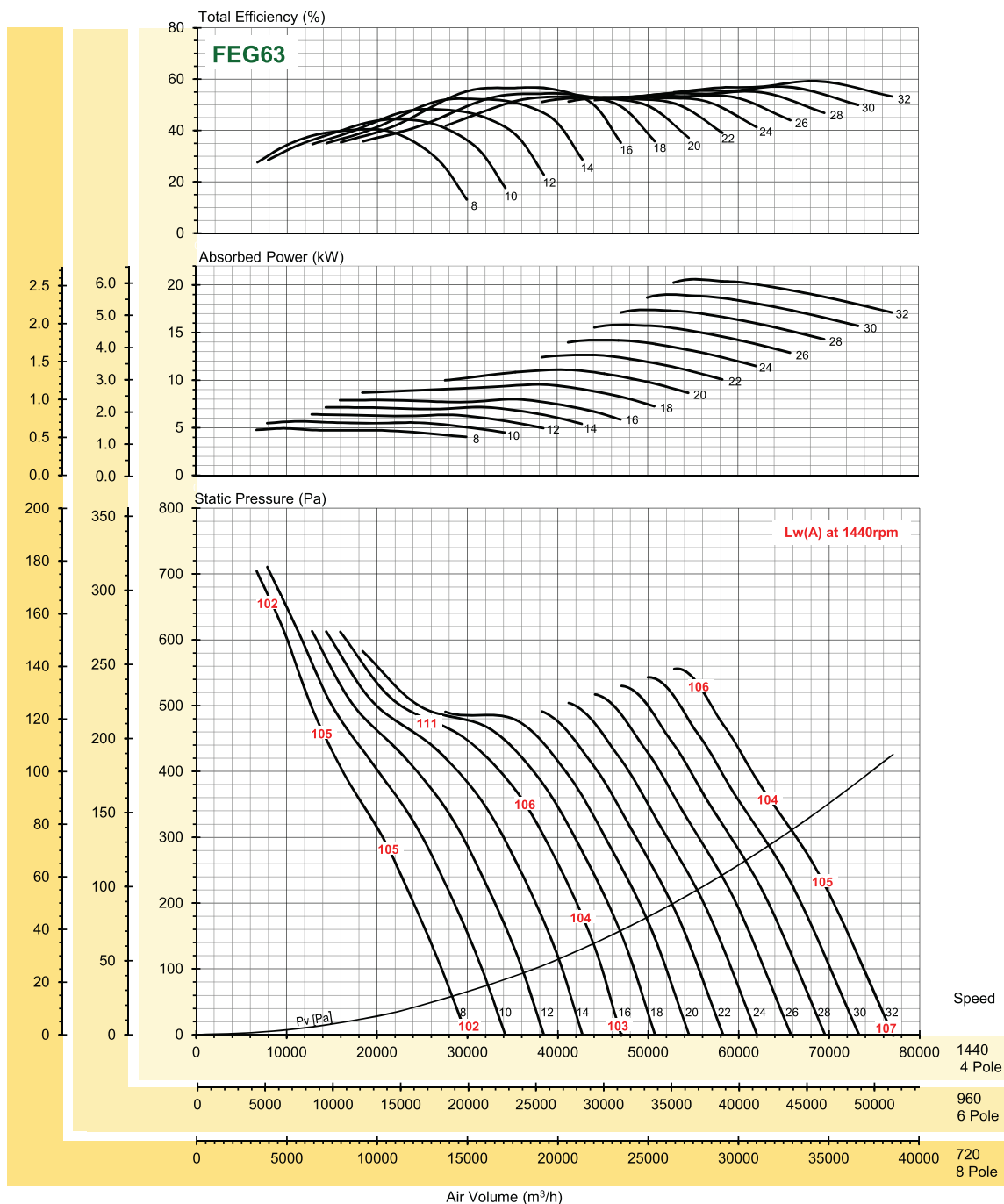
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50Hz CC 1000/9 T HP

Hub size: 320 mm

$\rho = 1.2\text{kg/m}^3$



Peak Absorbed Power (kW)														
N (rpm)	Blade Pitch Angle [°]													LwA dB(A)
	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	
720 motor	0.617	0.709	0.801	0.897	0.999	1.193	1.387	1.580	1.774	1.967	2.161	2.355	2.548	-18
	0.75			1.1		1.5			2.2			3		
960 motor	1.462	1.681	1.900	2.127	2.369	2.828	3.287	3.745	4.204	4.663	5.122	5.581	6.040	-10
	1.5			2.2		3			4			5.5		
1440 motor	4.93	5.67	6.41	7.18	8.00	9.54	11.09	12.64	14.19	15.74	17.29	18.84	20.39	0
	5.5			7.5		11			15			18.5		

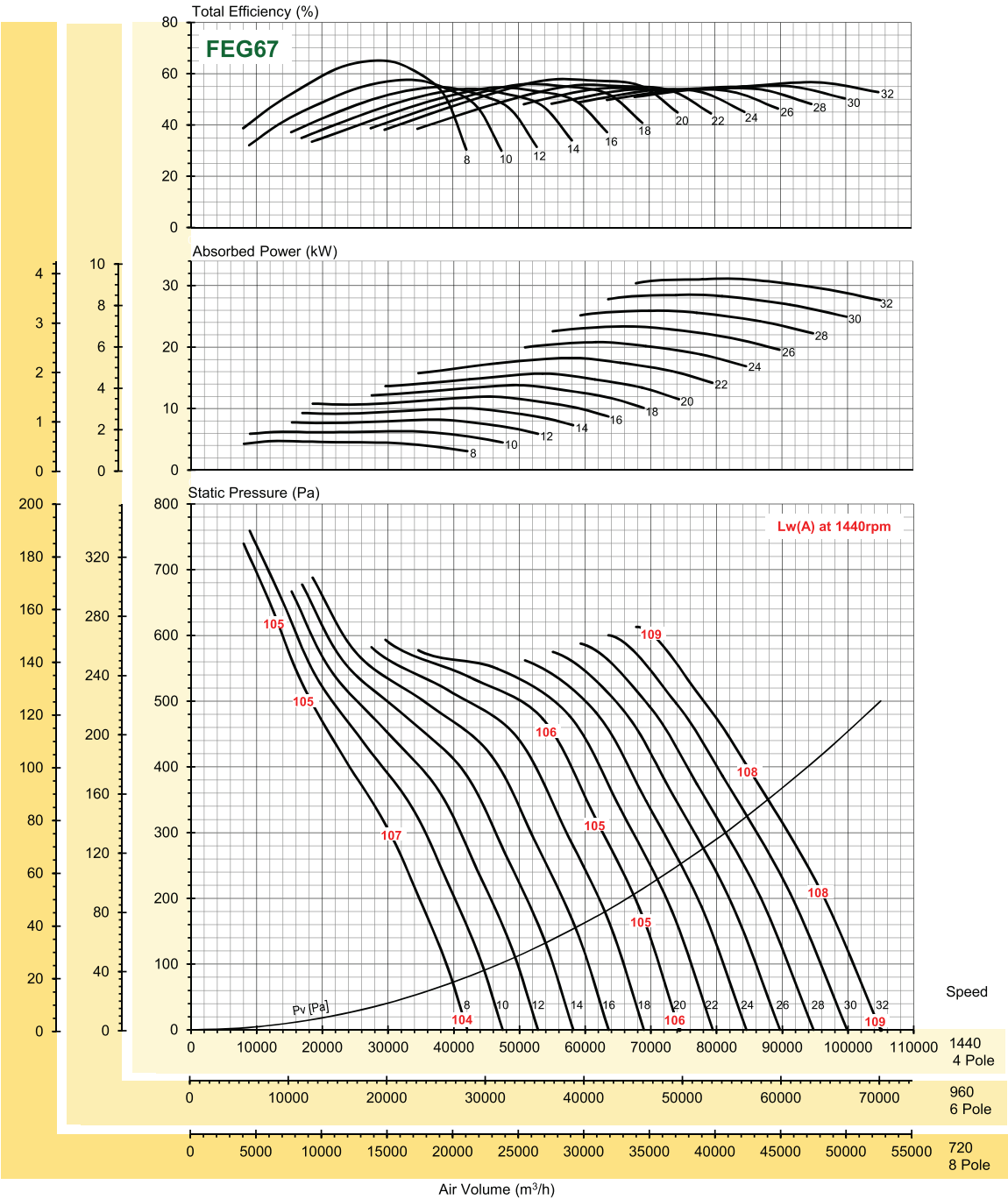
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50Hz CC 1120/6 T HP

Hub size: 420 mm

$\rho = 1.2\text{kg/m}^3$



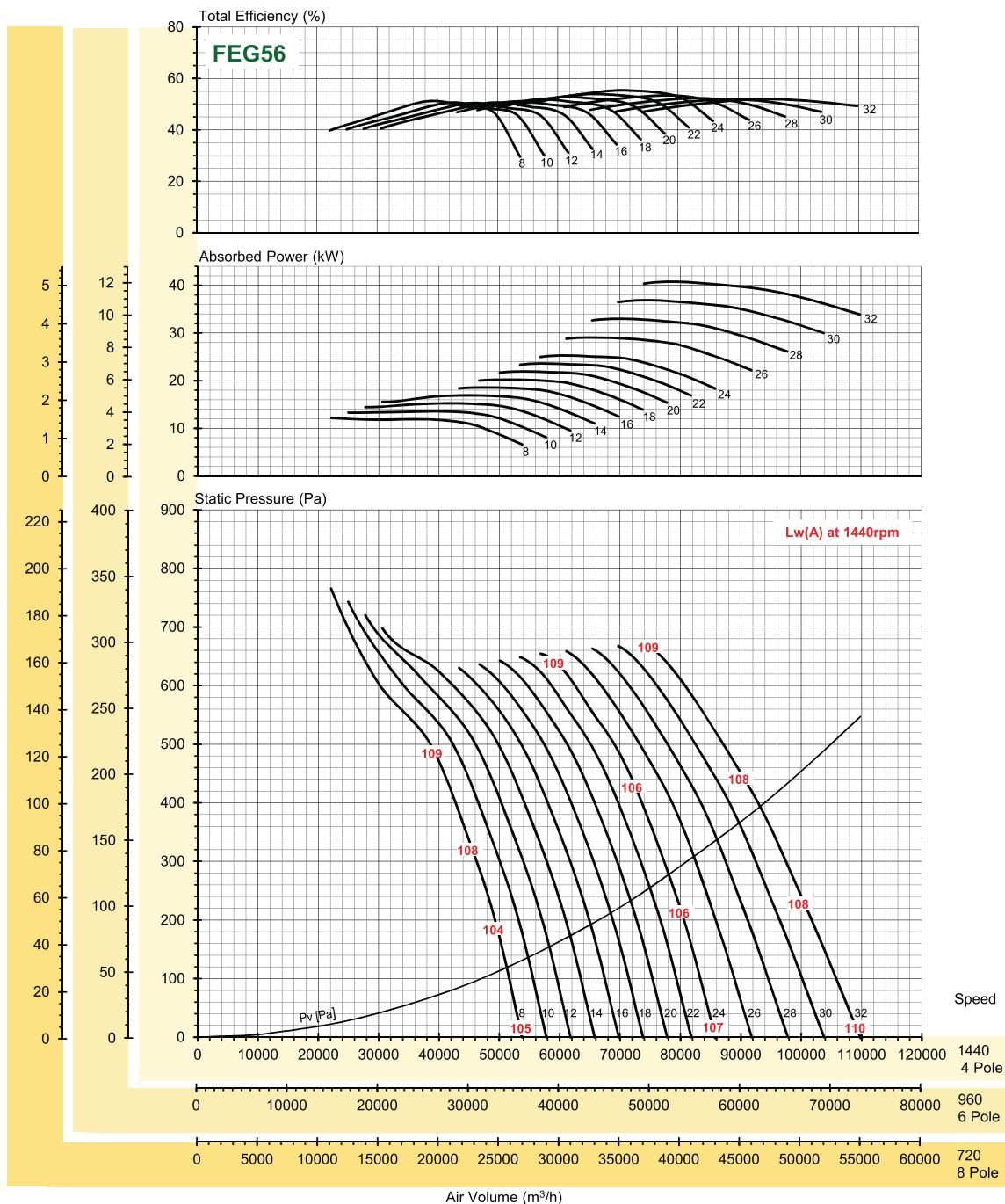
Peak Absorbed Power (kW)														
N (rpm)	Blade Pitch Angle [°]													LwA dB(A)
	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	
720 motor	0.589 0.75	0.791 1.1	1.025 1.5	1.259 1.5	1.493 2.2	1.727 2.2	1.961 3	2.281 3	2.600 3	2.920 4	3.239 4	3.559 4	3.878 4	-18
960 motor	1.396 1.5	1.874 2.2	2.429 3	2.984 4	3.539 4	4.094 5.5	4.649 5.5	5.406 7.5	6.163 7.5	6.921 11	7.678 11	8.435 11	9.192 11	-10
1440 motor	4.713 5.5	6.325 7.5	8.198 11	10.07 15	11.94 15	13.82 18.5	15.69 18.5	18.25 22	20.80 22	23.36 30	25.91 30	28.47 37	31.02 37	0

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50Hz CC 1120/9 T HP

Hub size: 420 mm

$\rho = 1.2 \text{ kg/m}^3$



Peak Absorbed Power (kW)															
N (rpm)	Blade Pitch Angle [°]														LwA dB(A)
	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°		
720 motor	1.523	1.690	1.895	2.101	2.306	2.511	2.716	2.922	3.127	3.600	4.081	4.562	5.042	-17	
	2.2				3				4				5.5		
960 motor	3.610	4.006	4.493	4.979	5.466	5.952	6.439	6.926	7.412	8.534	9.673	10.81	11.95	-10	
	4	5.5				7.5				11				15	
1440 motor	12.18	13.52	15.16	16.81	18.45	20.09	21.73	23.37	25.02	28.80	32.65	36.49	40.34	0	
	15				18.5				22				30		
													37		
													45		

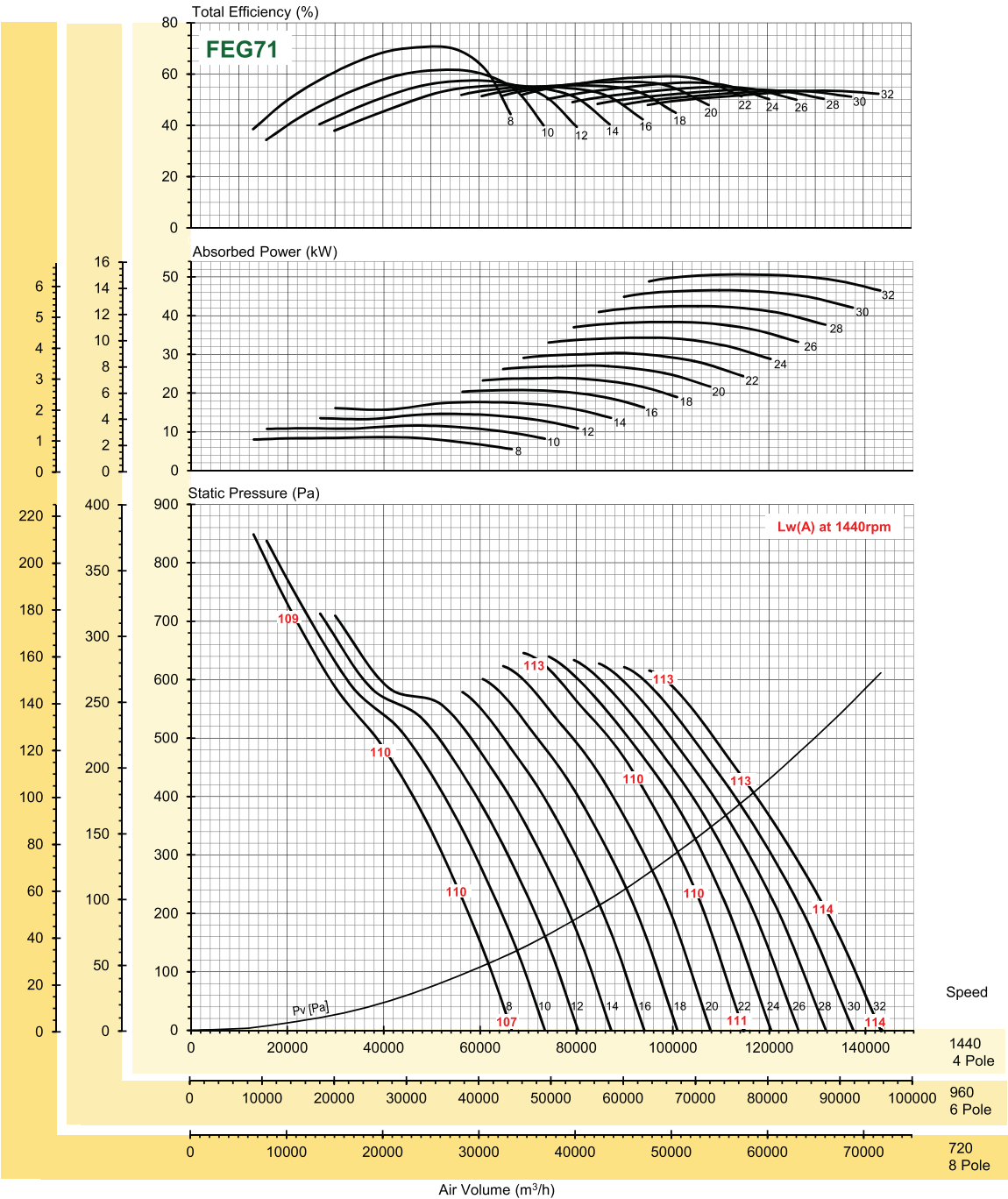
* Performance certified for installation type D - Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

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50Hz CC 1250/6 T HP

Hub size :420mm

$\rho = 1.2\text{kg/m}^3$



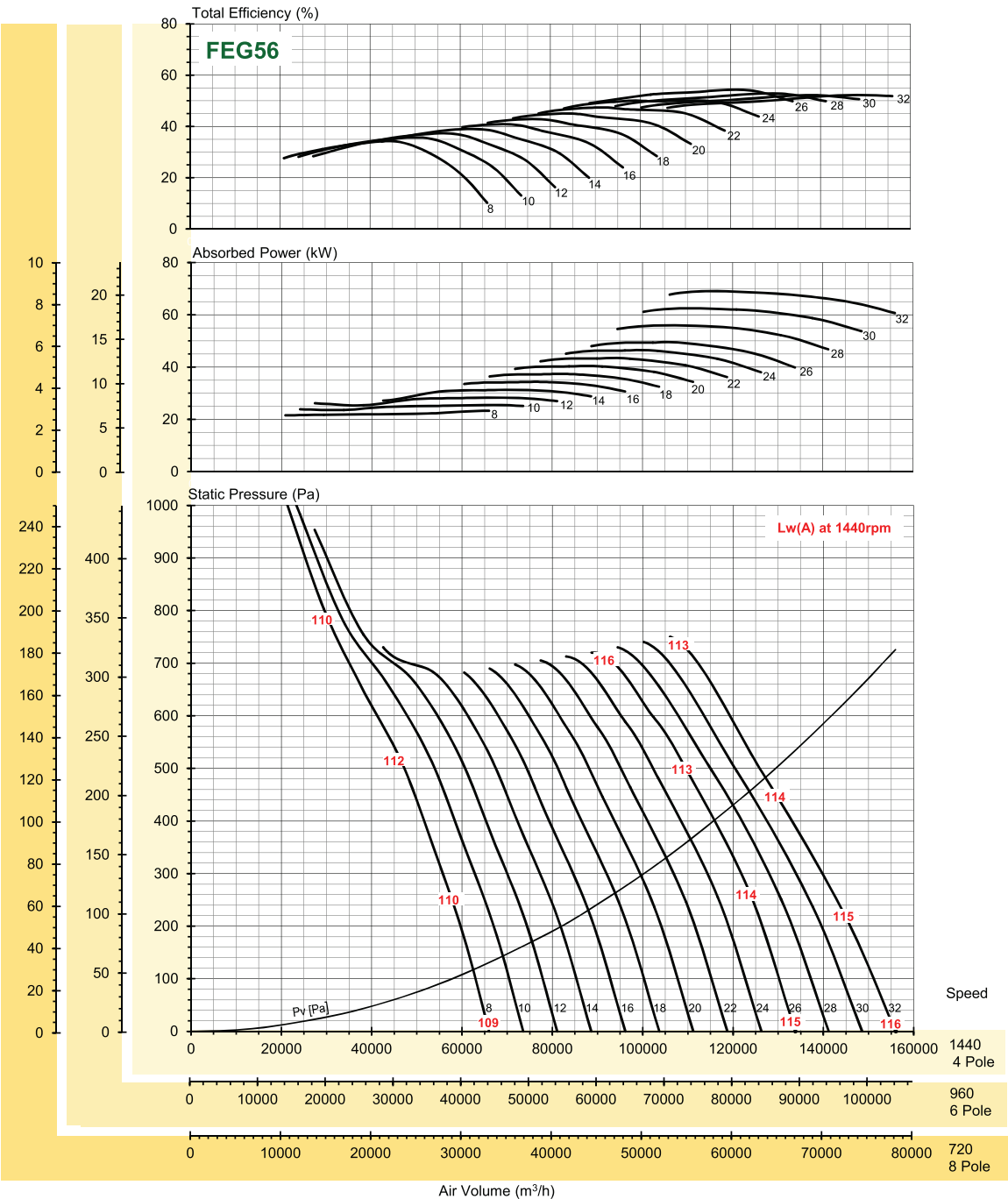
Peak Absorbed Power (kW)														
N (rpm)	Blade Pitch Angle [°]													LwA dB(A)
	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	
720 motor	1.078 1.1	1.444 1.5	1.816 2.2	2.204	2.591 3	2.978	3.369	3.776 4	4.287	4.798 5.5	5.308	5.819 7.5	6.329	-18
960 motor	2.555 3	3.422 4	4.305 5.5	5.223	6.142 7.5	7.060	7.986	8.951 11	10.16	11.37	12.58 15	13.79	15.00 18.5	-10
1440 motor	8.624 11	11.55 15	14.53	17.63 18.5	20.73 22	23.83	26.95 30	30.21 37	34.30	38.38	42.47 45	46.55 55	50.64	0

* Performance certified for installation type D - Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
* The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

50Hz CC 1250/9 T HP

Hub size :420mm

$\rho = 1.2\text{kg/m}^3$

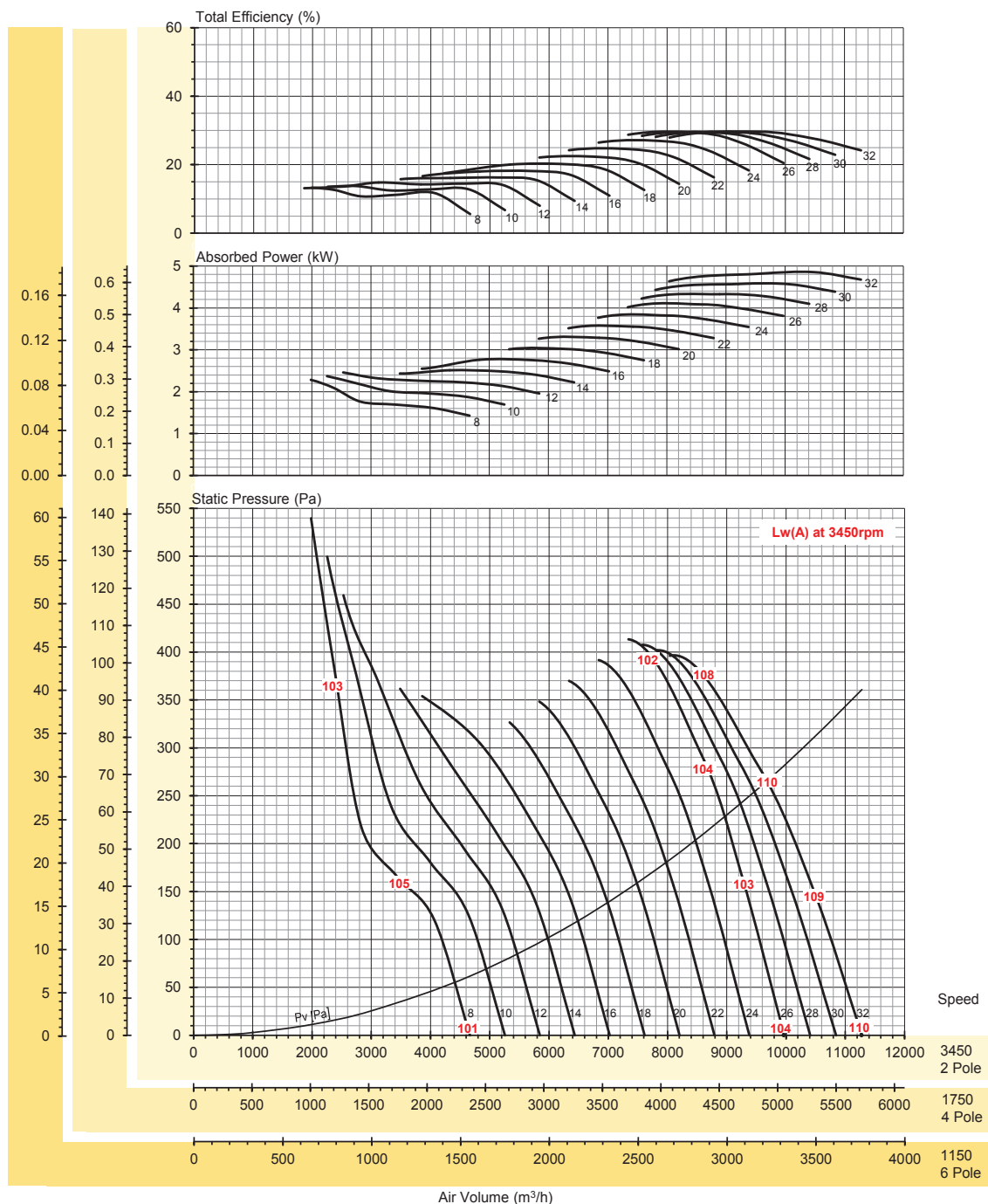


Peak Absorbed Power (kW)															
N (rpm)	Blade Pitch Angle [°]													LwA dB(A)	
	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°		
720 motor	2.914 3	3.187	3.537 4	3.910	4.282	4.655	5.032 5.5	5.411	5.791	6.171 7.5	6.946	7.747 11	8.548	-18	
960 motor	6.906 7.5	7.555	8.384	9.267 11	10.15	11.03	11.93	12.83 15	13.73	14.63	16.47 18.5	18.36 22	20.26	-10	
1440 motor	23.31 30	25.50	28.30 37	31.28	34.26	37.24	40.25 45	43.29	46.33 55	49.37				0	

* Performance certified for installation type D - Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
* The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

60Hz CC 400/9 T HP

Hub size :210mm



Peak Absorbed Power (kW)														
N (rpm)	Blade Pitch Angle [°]													LwA dB(A)
	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	
1150 motor	0.085	0.088	0.091	0.093	0.102	0.112	0.122	0.132	0.141	0.151	0.160	0.169	0.180	-29
1750 motor	0.298	0.310	0.321	0.328	0.361	0.394	0.429	0.464	0.498	0.533	0.565	0.597	0.634	-18
3450 motor	2.283	2.372	2.460	2.511	2.762	3.020	3.287	3.553	3.818	4.084	4.327	4.571	4.855	0

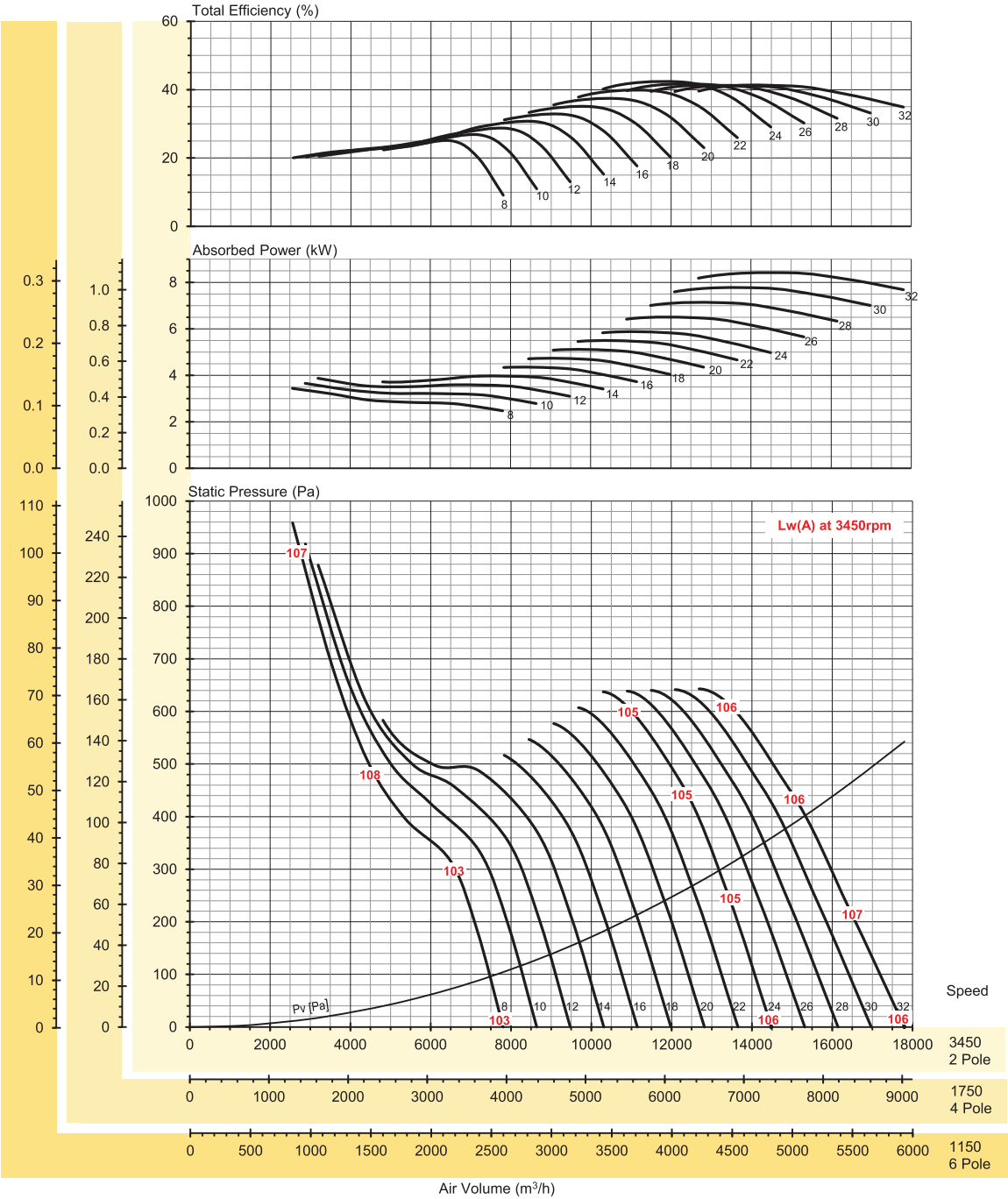
* Performance certified is for installation type D - Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

* The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

60Hz CC 450/9 T HP

Hub size :210mm

$\rho = 1.2\text{kg/m}^3$



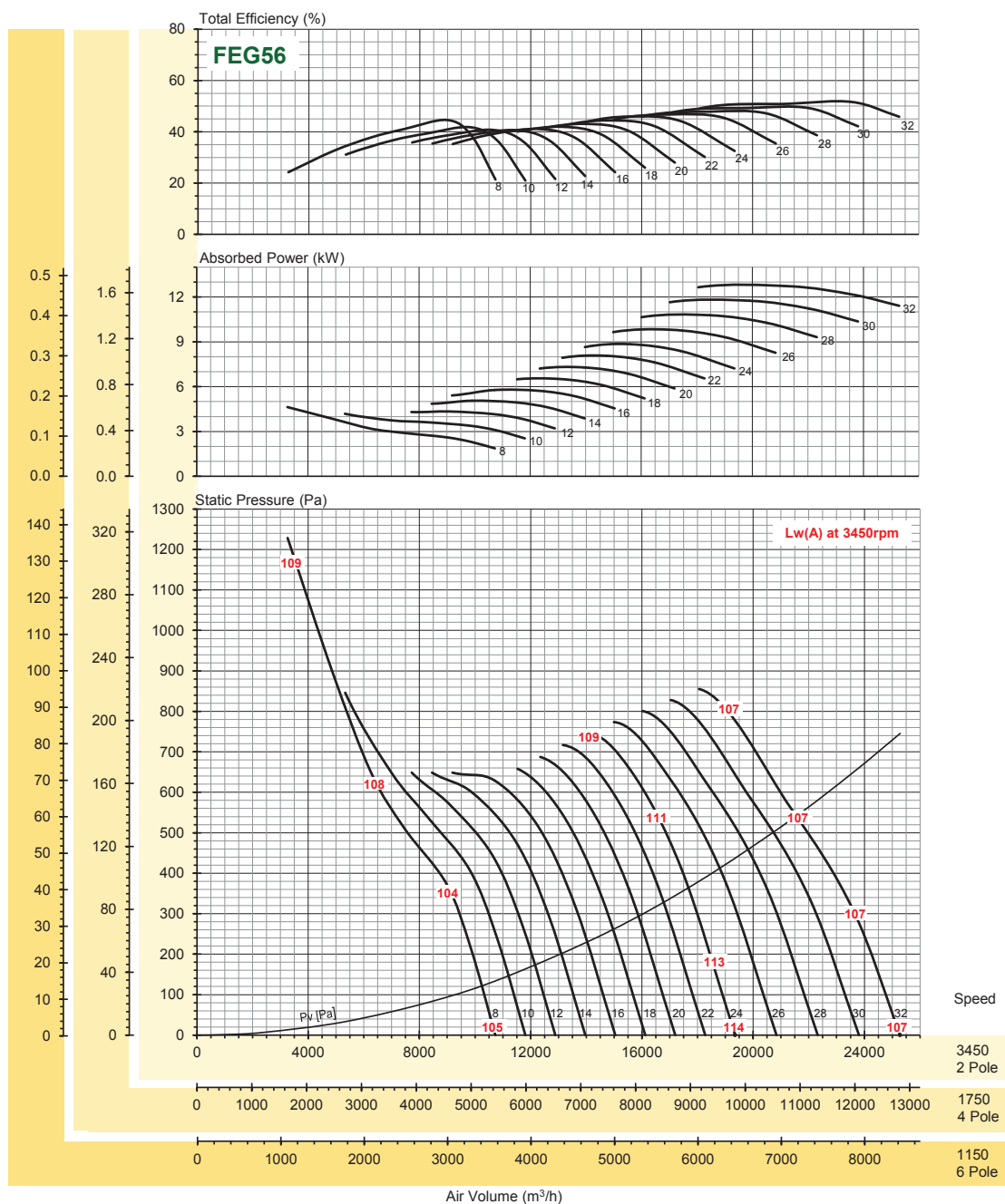
Peak Absorbed Power (kW)													
N (rpm)	Blade Pitch Angle [°]												LwA dB(A)
	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°
1150 motor	0.127	0.135	0.144	0.147	0.161	0.175	0.188	0.202	0.216	0.239	0.263	0.288	0.312
1750 motor	0.449	0.477	0.506	0.518	0.566	0.615	0.664	0.712	0.761	0.843	0.928	1.013	1.098
3450 motor	3.438	3.656	3.875	3.966									

* Performance certified is for installation type D - Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
* The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

60Hz CC 500/9 T HP

Hub size :210mm

$\rho = 1.2\text{kg/m}^3$



N (rpm)	Blade Pitch Angle [°]													LwA dB(A)
	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	
1150 motor	0.172	0.155	0.161	0.187	0.214	0.241	0.270	0.299	0.328	0.363	0.399	0.435	0.471	-28
1750 motor	0.605	0.546	0.566	0.660	0.754	0.849	0.951	1.052	1.154	1.281	1.407	1.534	1.660	-17
3450 motor	4.634	4.184	4.339	5.057	5.776	6.506	7.285	8.064	8.84	9.81	10.78	11.75	12.72	0

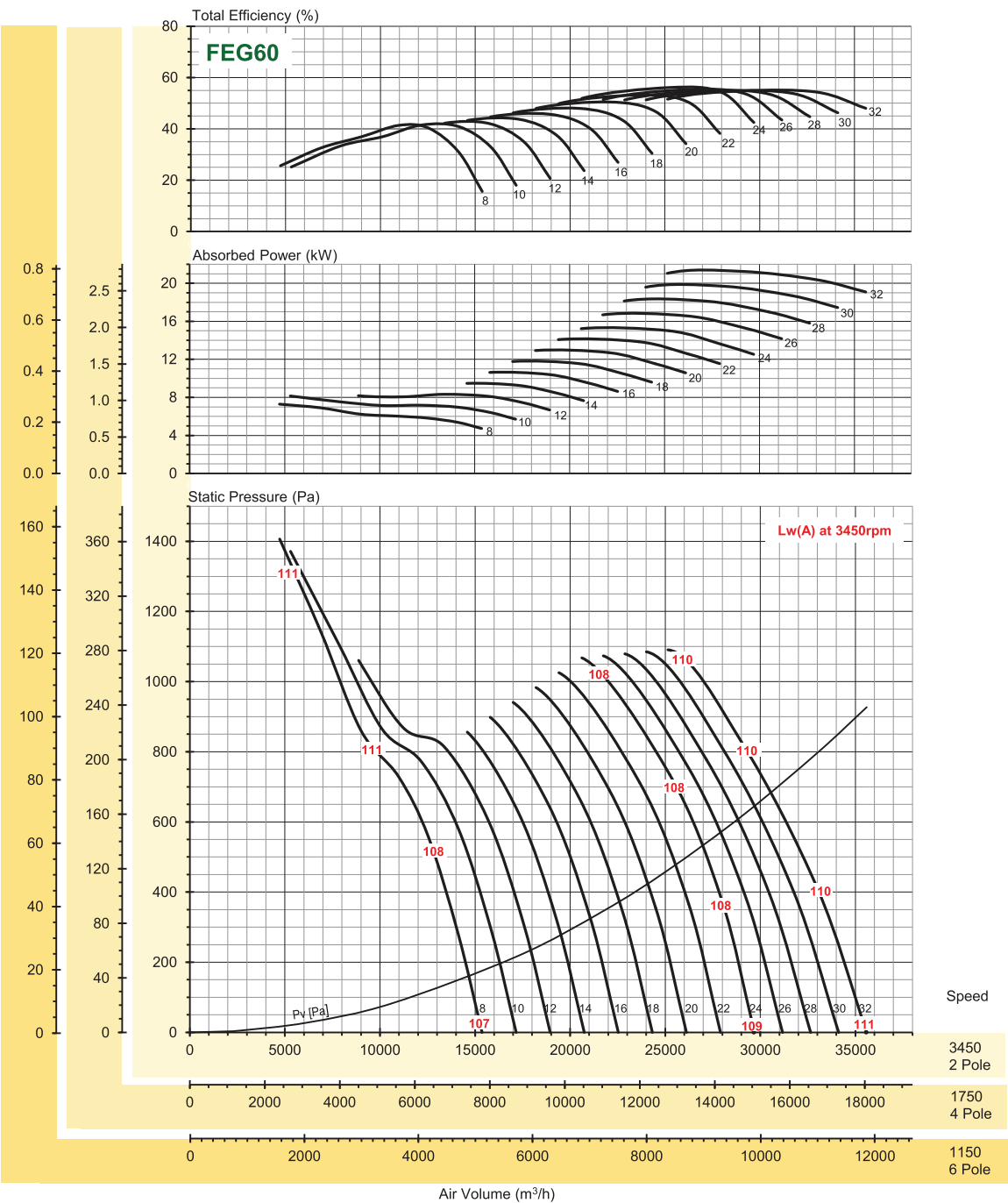
* Performance certified for installation type D - Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

* The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

60Hz CC 560/9 T HP

Hub size :210mm

$\rho = 1.2\text{kg/m}^3$



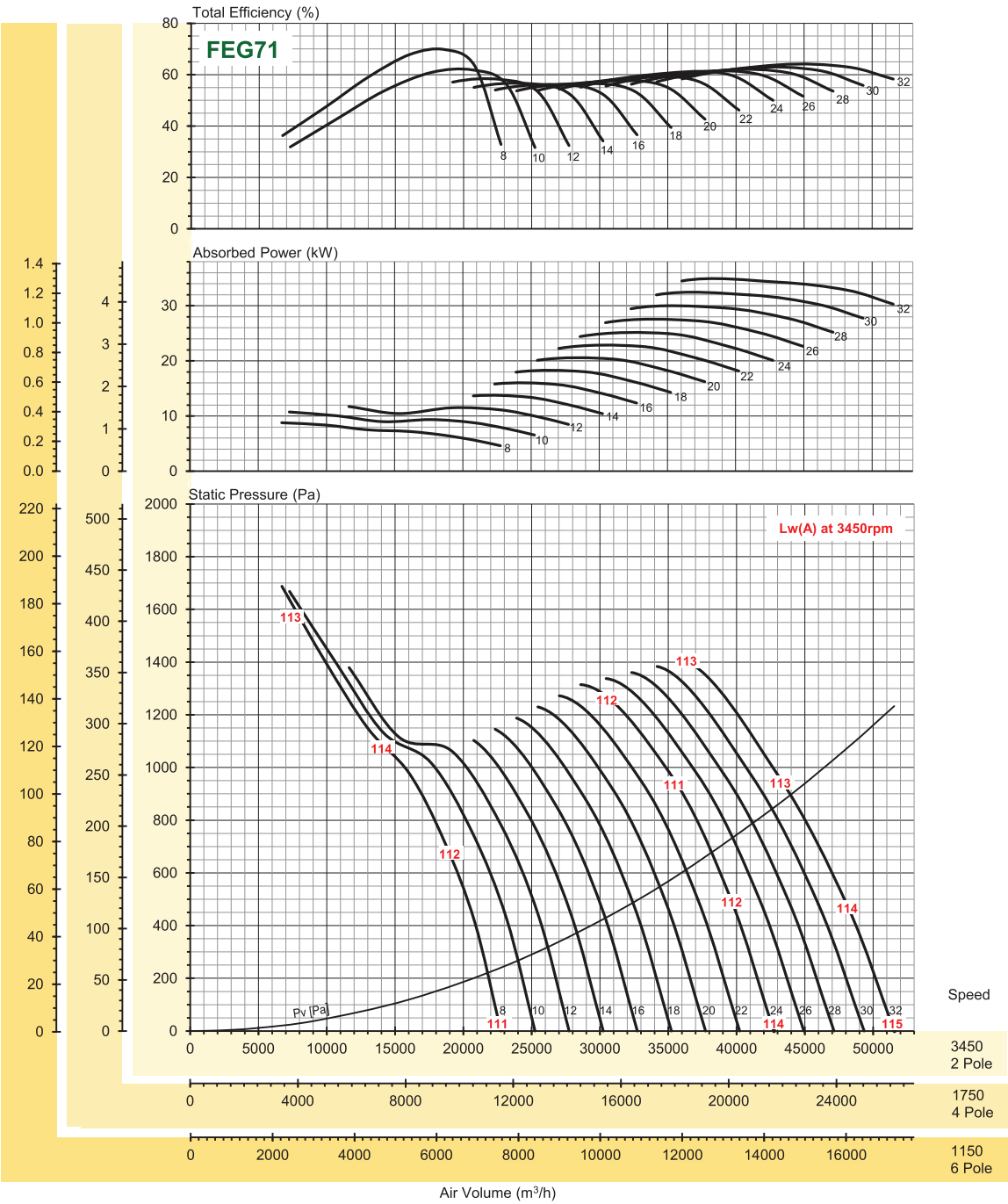
Peak Absorbed Power (kW)		Blade Pitch Angle [°]													LwA dB(A)
N (rpm)		8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	
1150 motor		0.270	0.302	0.308	0.366	0.393	0.434	0.479	0.542	0.564	0.618	0.672	0.729	0.787	-27
			0.37					0.55			0.75		1.1		
1750 motor		0.951	1.063	1.086	1.290	1.387	1.529	1.687	1.910	1.987	2.177	2.367	2.569	2.773	-16
			1.1		1.5			2.2			3				
3450 motor		7.289	8.146	8.323	9.888	10.62	11.72	12.92	14.64	15.22	16.68	18.13			0
		7.5		11			15			18.5					

* Performance certified is for installation type D - Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
* The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

60Hz CC 630/9 T HP

Hub size: 210 mm

$\rho = 1.2\text{kg/m}^3$



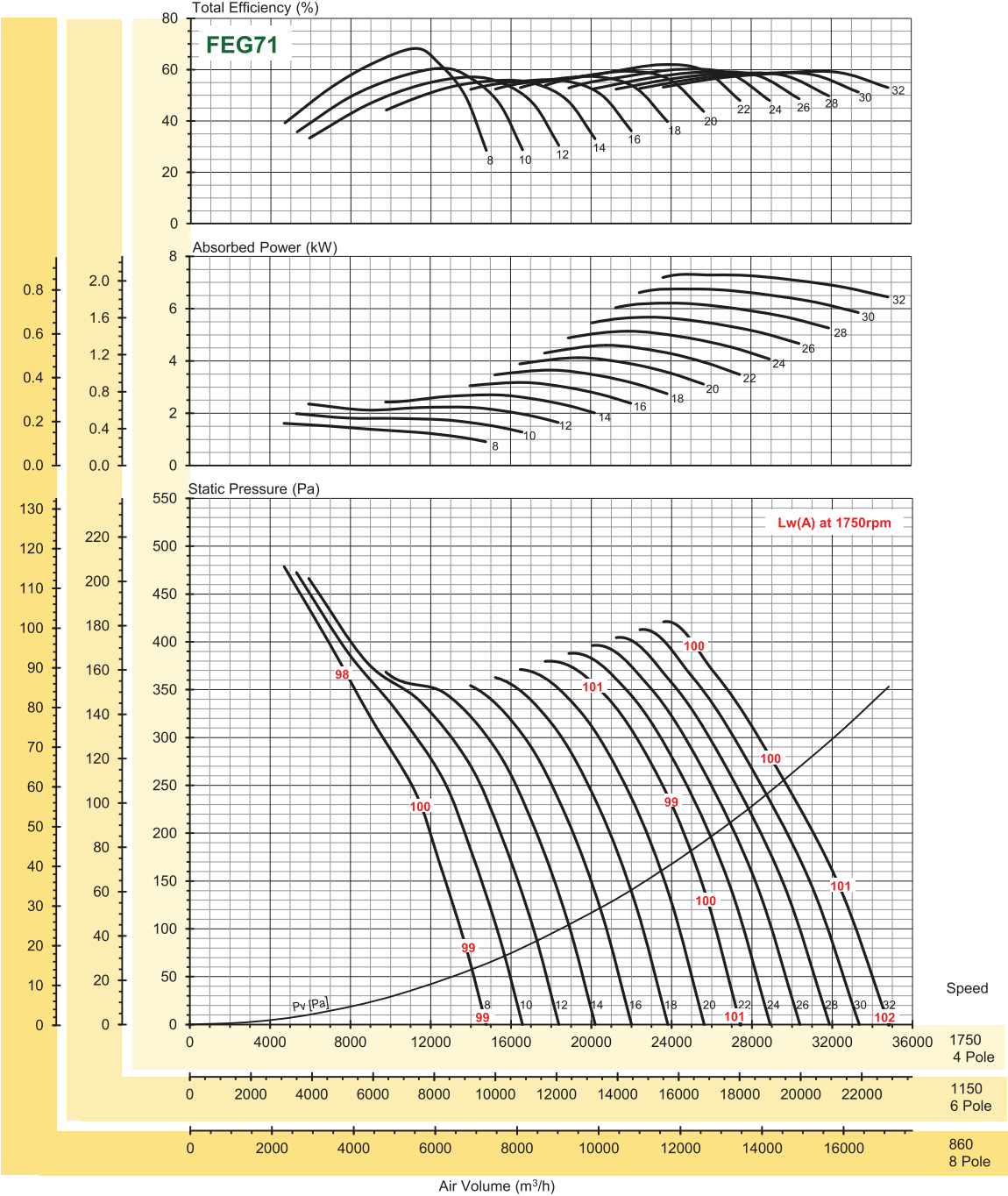
Peak Absorbed Power (kW)														
N (rpm)	Blade Pitch Angle [°]													LwA dB(A)
	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	
1150 motor	0.325 0.37	0.398	0.442 0.55	0.506	0.585 0.75	0.668	0.753	0.839	0.924 1.1	1.012	1.097	1.184	1.277 1.5	-26
1750 motor	1.147 1.5	1.401	1.556	1.783 2.2	2.063	2.354	2.655 3	2.955	3.256	3.565 4	3.866	4.173 5.5	4.501	-16
3450 motor	8.788 11	10.74	11.92	13.66 15	15.81	18.04 18.5	20.34 22							0

* Performance certified is for installation type D - Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
* The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

60Hz CC 710/9 T HP

Hub size: 210 mm

$\rho = 1.2\text{kg/m}^3$



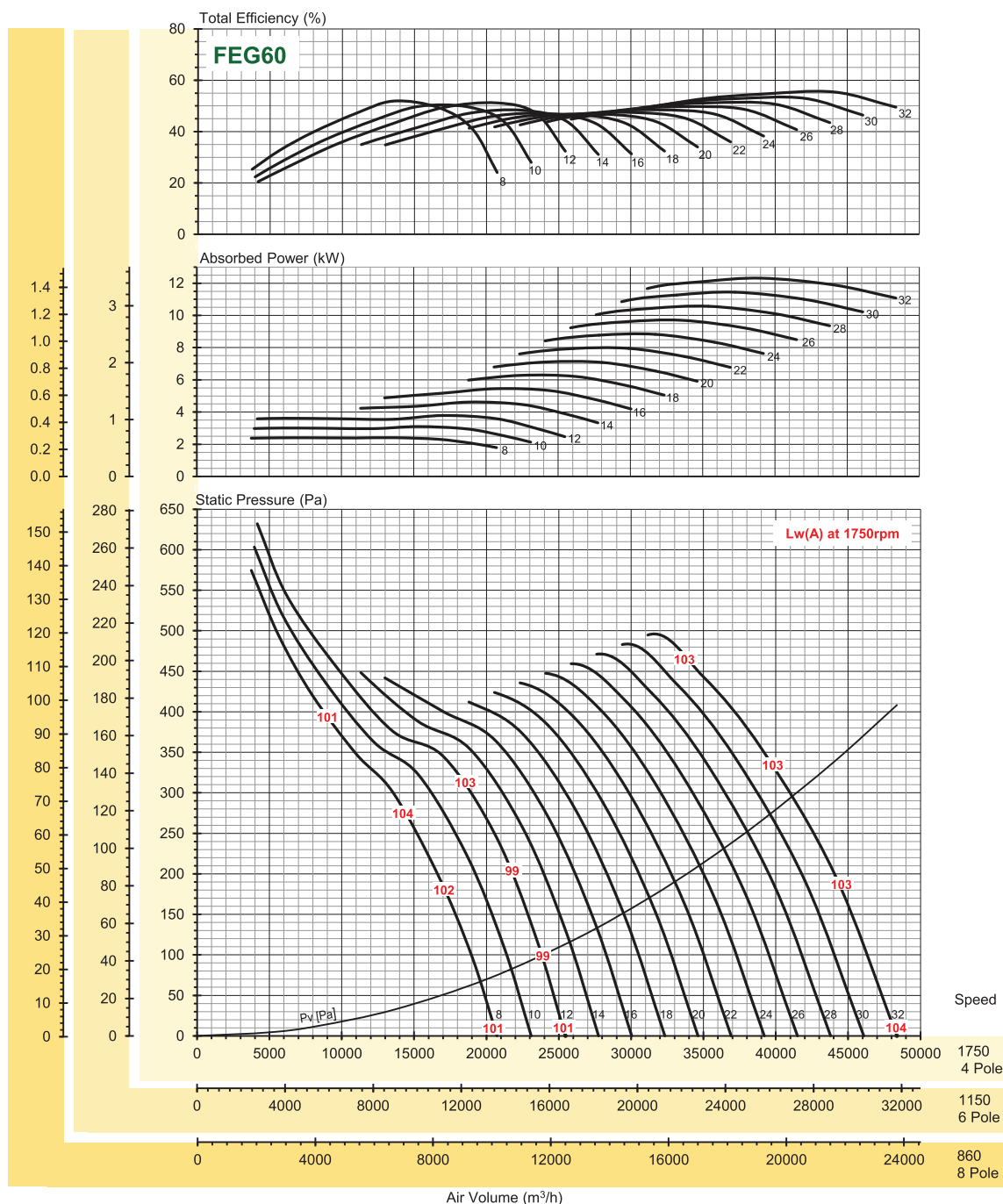
N (rpm)	Blade Pitch Angle [°]													LwA dB(A)
	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	
860 motor	0.191	0.236	0.279	0.321	0.377	0.433	0.490	0.546	0.610	0.673	0.737	0.801	0.865	-17
	0.37		0.55		0.75		1.1		1.5		2.2		3	
1150 motor	0.458	0.563	0.668	0.767	0.902	1.036	1.170	1.305	1.458	1.610	1.763	1.915	2.068	-10
	0.55		0.75		1.1		1.5		2.2		3		4	
1750 motor	1.614	1.985	2.355	2.701	3.177	3.651	4.125	4.598	5.137	5.674	6.212	6.749	7.287	0
	2.2		3		4		5.5		7.5					

* Performance certified is for installation type D - Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
* The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

60Hz CC 800/6 T HP

Hub size: 320 mm

$\rho = 1.2 \text{ kg/m}^3$



N (rpm)	Blade Pitch Angle [°]													LwA dB(A)
	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	
860 motor	0.286	0.368	0.449	0.548	0.647	0.745	0.844	0.944	1.047	1.151	1.254	1.358	1.461	-18
	0.37		0.55		0.75		1.1				1.5			
1150 motor	0.684	0.880	1.075	1.311	1.546	1.782	2.018	2.257	2.504	2.752	2.999	3.247	3.494	-11
	0.75		1.1		1.5		2.2		3			4		
1750 motor	2.410	3.100	3.787	4.618	5.449	6.280	7.111	7.953	8.825	9.698	10.57	11.44	12.31	0
	3		4		5.5		7.5		11			15		

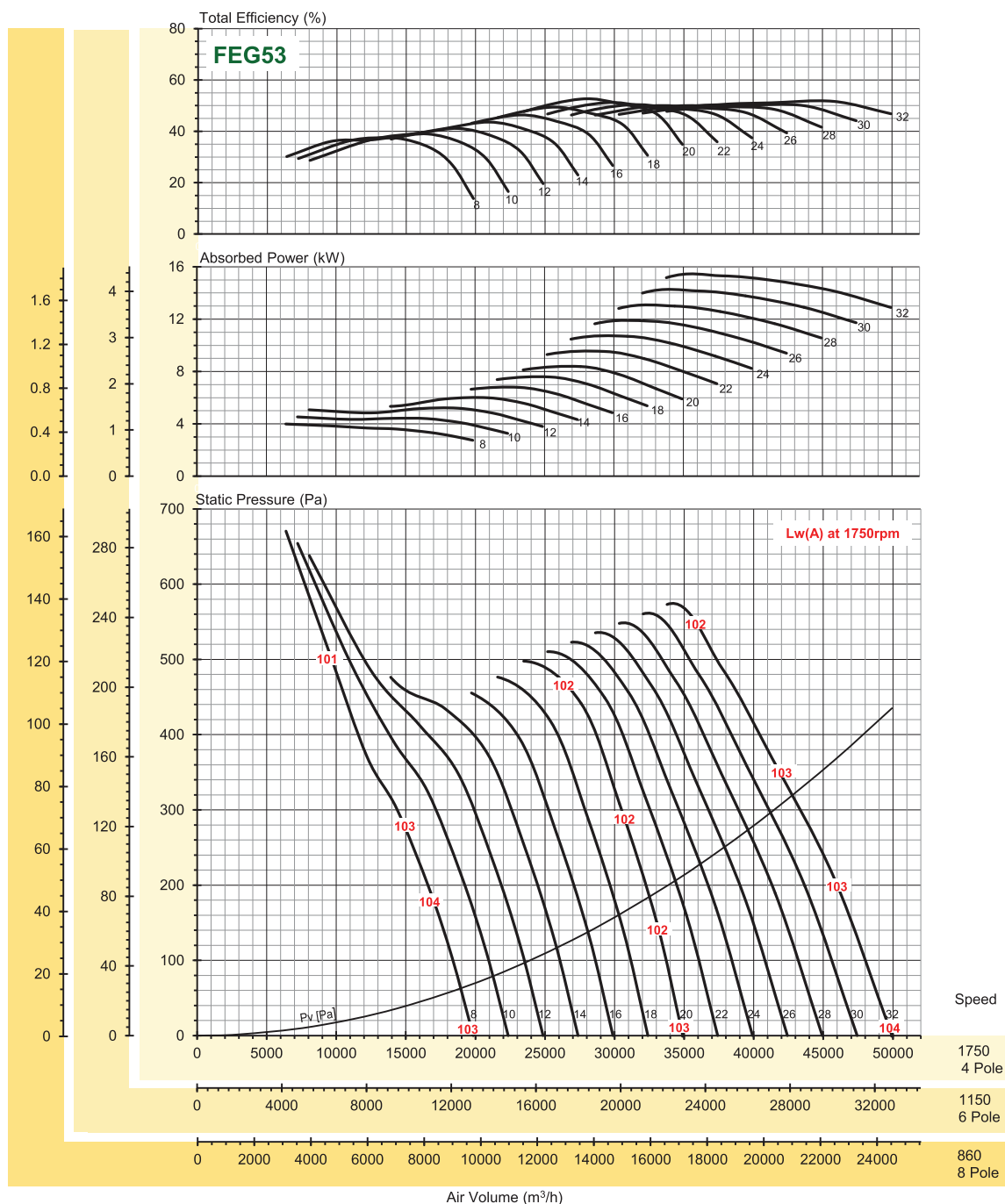
* Performance certified for installation type D - Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

* The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

60Hz CC 800/9 T HP

Hub size: 320 mm

$\rho = 1.2 \text{ kg/m}^3$



Peak Absorbed Power (kW)														
N (rpm)	Blade Pitch Angle [°]													LwA dB(A)
	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	
860 motor	0.473	0.538	0.616	0.711	0.805	0.900	0.994	1.132	1.268	1.406	1.543	1.680	1.817	-18
		0.55		0.75			1.1		1.5			2.2		
1150 motor	1.131	1.286	1.474	1.700	1.926	2.152	2.378	2.706	3.033	3.361	3.689	4.017	4.345	-11
		1.5			2.2		3			4		5.5		
1750 motor	3.986	4.530	5.194	5.991	6.786	7.583	8.378	9.534	10.69	11.84	13.00	14.15		0
	4		5.5		7.5		11				15			

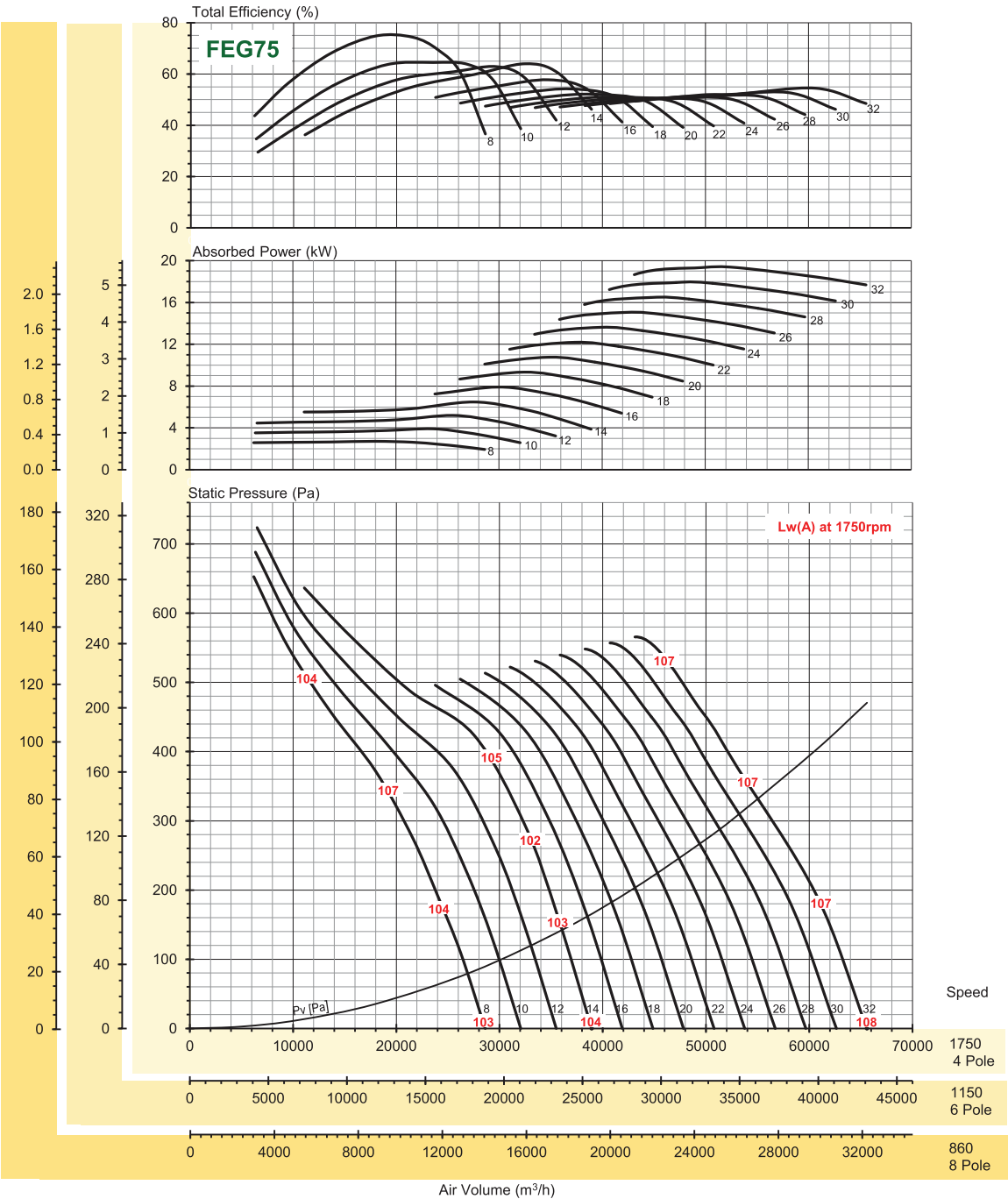
* Performance certified for installation type D - Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

* The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

60Hz CC 900/6 T HP

Hub size: 320 mm

$\rho = 1.2\text{kg/m}^3$



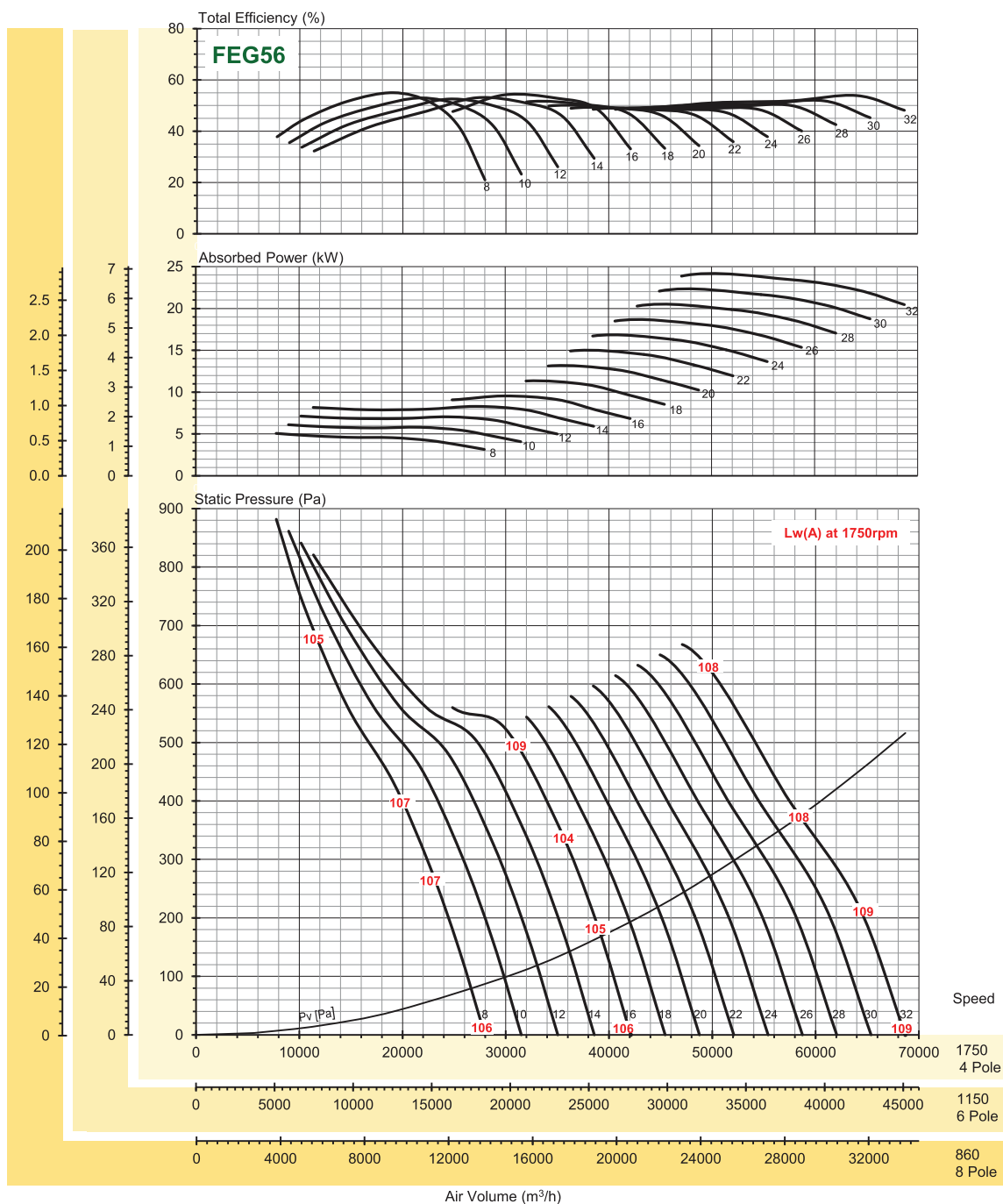
Peak Absorbed Power (kW)														
N (rpm)	Blade Pitch Angle [°]													LwA dB(A)
	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	
860 motor	0.323 0.37	0.465 0.55	0.617 0.75	0.769 1.1	0.939	1.108	1.277 1.5	1.447	1.616	1.786	1.955 2.2	2.125	2.295 3	-18
1150 motor	0.772 1.1	1.111 1.5	1.476 2.2	1.839 2.2	2.244 3	2.650	3.054	3.460 4	3.865	4.270	4.675 5.5	5.081	5.488	-10
1750 motor	2.721 3	3.916 4	5.200 5.5	6.481 7.5	7.908	9.337 11	10.76	12.19 15	13.62	15.05	16.47 18.5	17.90	19.34 22	0

* Performance certified for installation type D - Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
* The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

60Hz CC 900/9 T HP

Hub size: 320 mm

$\rho = 1.2 \text{ kg/m}^3$



Peak Absorbed Power (kW)														
N (rpm)	Blade Pitch Angle [°]													LwA dB(A)
	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	
860 motor	0.602	0.725	0.848	0.985	1.133	1.345	1.558	1.770	1.982	2.195	2.407	2.619	2.832	-18
	0.75		1.1		1.5		2.2				3			
1150 motor	1.440	1.733	2.027	2.355	2.709	3.216	3.724	4.232	4.740	5.248	5.756	6.263	6.771	-10
	1.5		2.2		3		4		5.5		7.5			
1750 motor	5.074	6.108	7.142	8.299	9.545	11.33	13.12	14.91	16.70	18.49	20.28			0
	5.5		7.5		11		15		18.5		22			

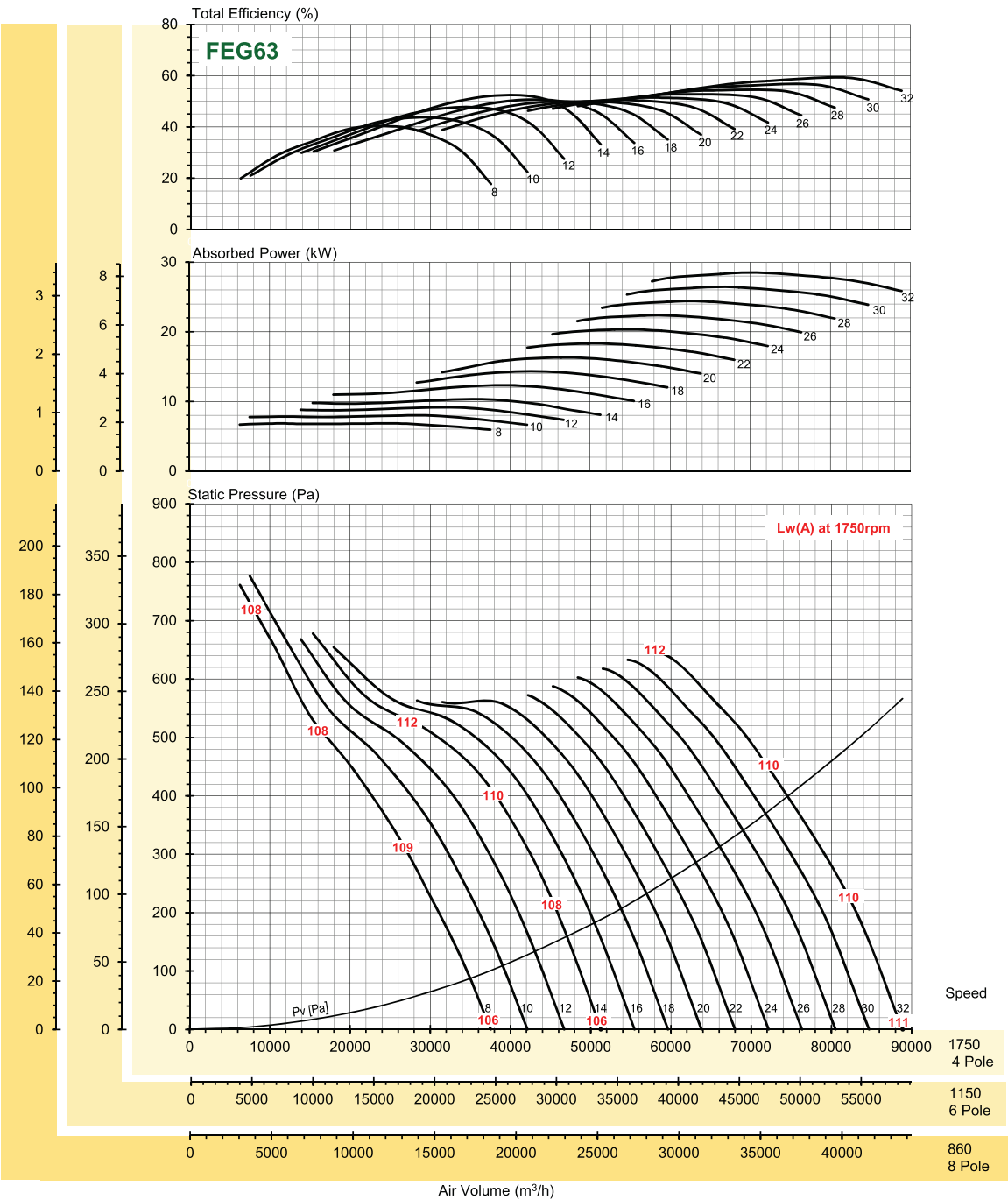
* Performance certified for installation type D - Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

* The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

60Hz CC 1000/6 T HP

Hub size: 320 mm

$\rho = 1.2\text{kg/m}^3$



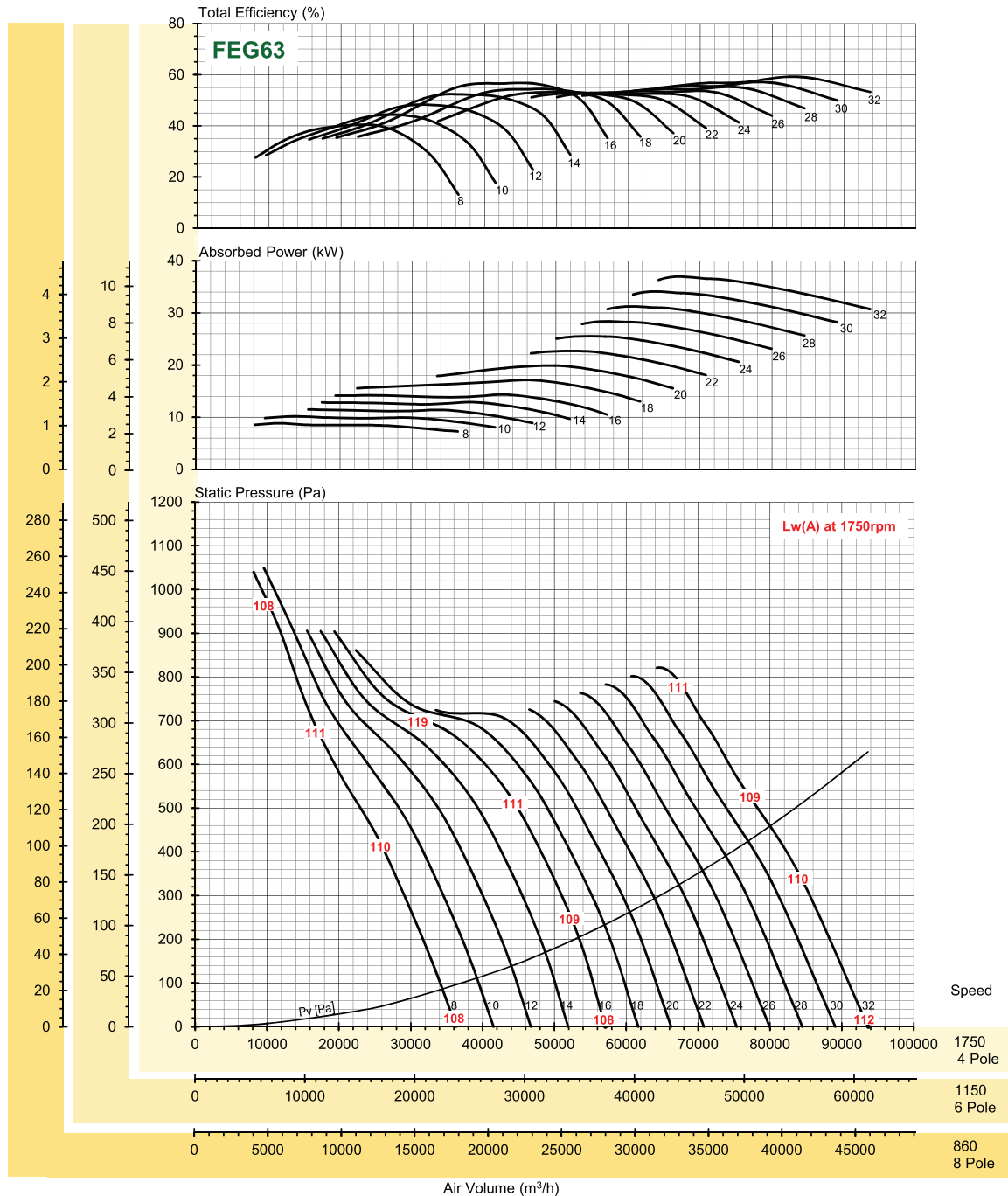
Peak Absorbed Power (kW)														
N (rpm)	Blade Pitch Angle [°]												LwA dB(A)	
	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°		32°
860 motor	0.812	0.950	1.088	1.227	1.463	1.700	1.937	2.174	2.410	2.647	2.884	3.130	3.378	-18
		1.1		1.5			2.2			3		4		
1150 motor	1.941	2.272	2.602	2.933	3.499	4.065	4.631	5.197	5.763	6.330	6.895	7.485	8.076	-11
	2.2		3		4		5.5			7.5			11	
1750 motor	6.84	8.01	9.17	10.33	12.33	14.32	16.32	18.31	20.31	22.30	24.30	26.38	28.46	0
	7.5		11			15		18.5	22		30			

* Performance certified is for installation type D - Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
* The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

60Hz CC 1000/9 T HP

Hub size: 320 mm

$\rho = 1.2 \text{ kg/m}^3$



Peak Absorbed Power (kW)															
N (rpm)	Blade Pitch Angle [°]														LwA dB(A)
	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°		
860 motor	1.051 1.1	1.208 1.5	1.366	1.529	1.703 2.2	2.033	2.363 3	2.693	3.023	3.353 4	3.683	4.012	4.342 5.5	-18	
1150 motor	2.513 3	2.889 3	3.265	3.656 4	4.072 5.5	4.861 5.5	5.650 7.5	6.439 7.5	7.228	8.016	8.805 11	9.594	10.38	-10	
1750 motor	8.86 11	10.18 11	11.51	12.88 15	14.35 18.5	17.13 18.5	19.91 22	22.69	25.47 30	28.25	31.03	33.81 37	36.59 37	0	

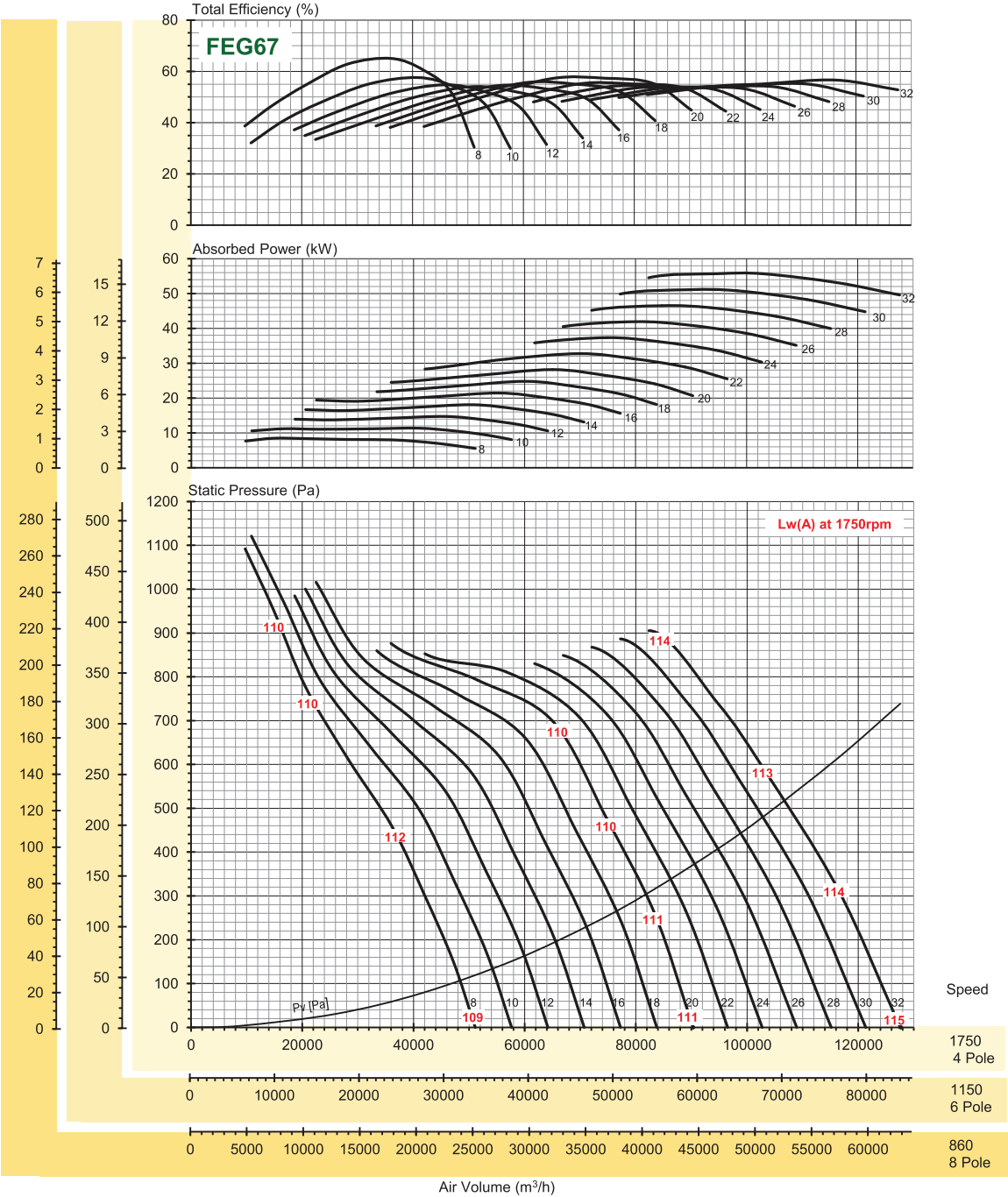
* Performance certified for installation type D - Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

* The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

60Hz CC 1120/6 T HP

Hub size: 420 mm

$\rho = 1.2\text{kg/m}^3$



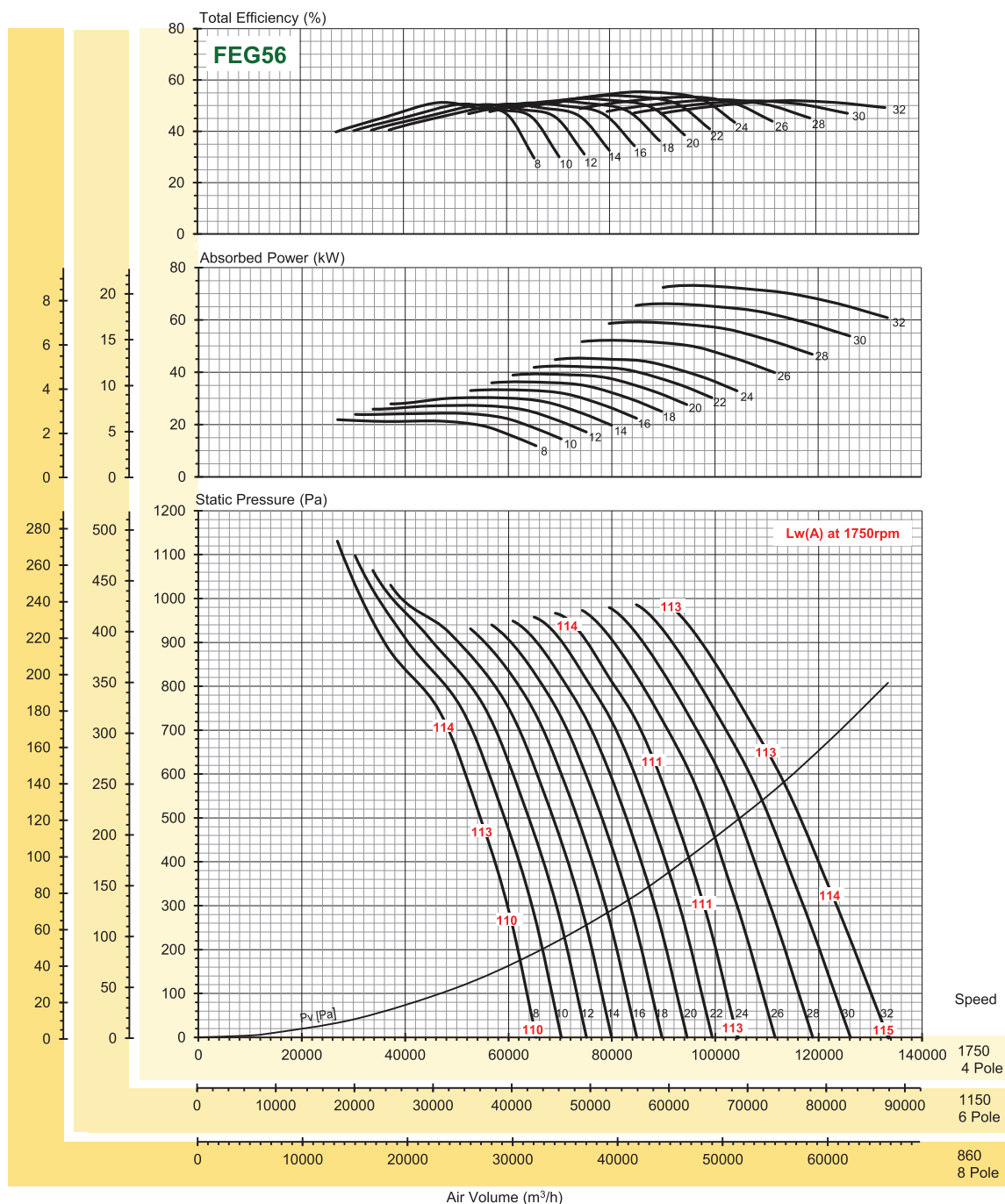
Peak Absorbed Power (kW)														
N (rpm)	Blade Pitch Angle [°]													LwA dB(A)
	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	
860 motor	1.004	1.347	1.746	2.145	2.544	2.943	3.342	3.886	4.431	4.975	5.520	6.064	6.609	-18
	1.1	1.5	2.2			3		4		5.5		7.5		
1150 motor	2.401	3.222	4.176	5.130	6.084	7.037	7.991	9.293	10.59	11.90	13.20	14.50	15.80	-11
	3	4	5.5			7.5		11			15		18.5	
1750 motor	8.459	11.35	14.71	18.08	21.44	24.80	28.16	32.75	37.33	41.92	46.51	51.10		0
	11	15		18.5	22		30		37	45		55		

* Performance certified for installation type D - Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
* The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

60Hz CC 1120/9 T HP

Hub size: 420 mm

$\rho = 1.2 \text{ kg/m}^3$



N (rpm)	Blade Pitch Angle [°]													LwA dB(A)
	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	
860 motor	2.595	2.880	3.230	3.580	3.929	4.279	4.629	4.979	5.329	6.135	6.954	7.774	8.593	-18
	3			4			5.5			7.5		11		
1150 motor	6.206	6.886	7.723	8.559	9.396	10.23	11.07	11.91	12.74	14.67	16.63	18.59	20.55	-10
	7.5			11				15			18.5	22		
1750 motor	21.87	24.27	27.22	30.16	33.11	36.06	39.00	41.95	44.90	51.70				0
	22	30		37			45		55					

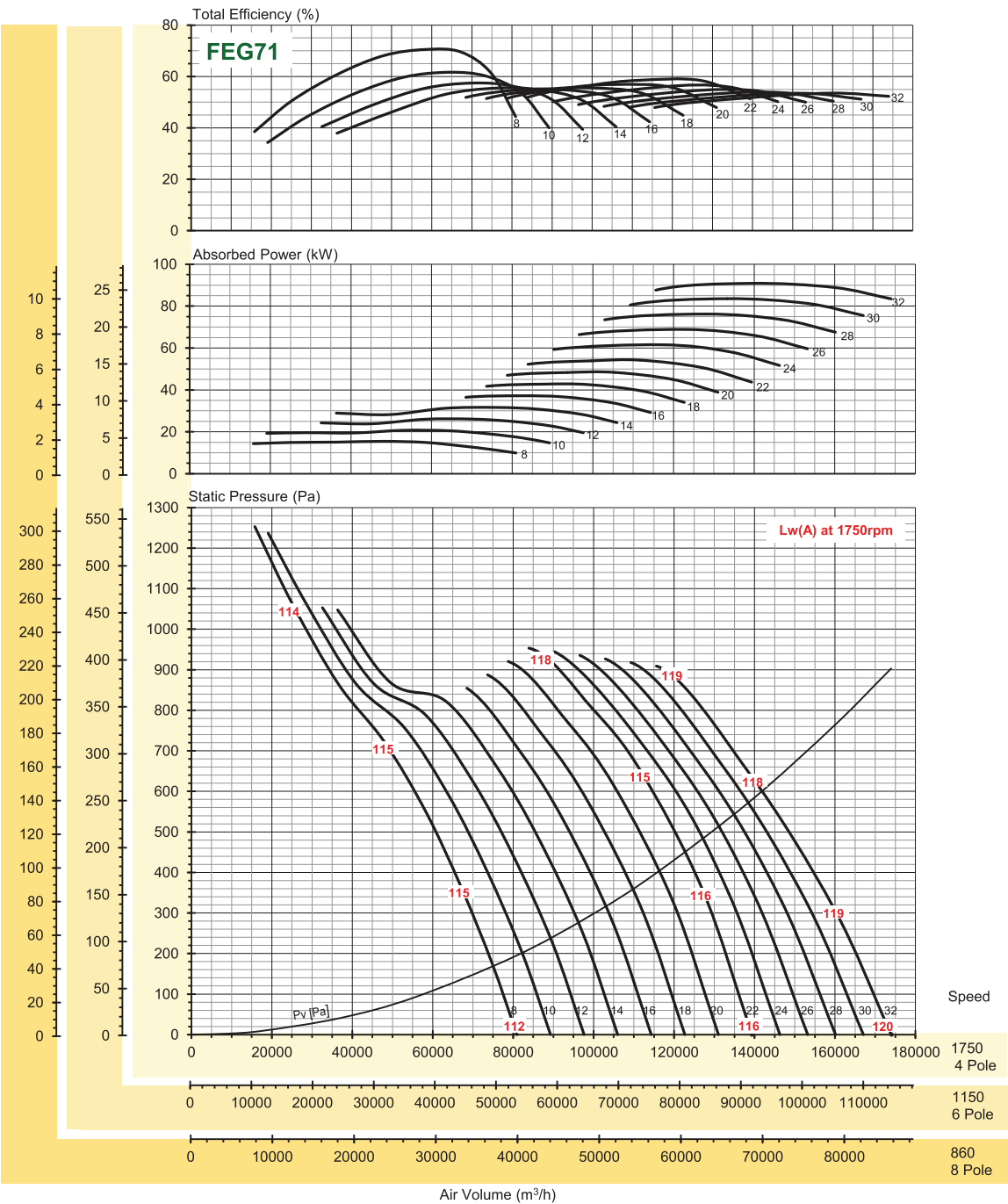
* Performance certified for installation type D - Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

* The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

60Hz CC 1250/6 T HP

Hub size: 420 mm

$\rho = 1.2\text{kg/m}^3$



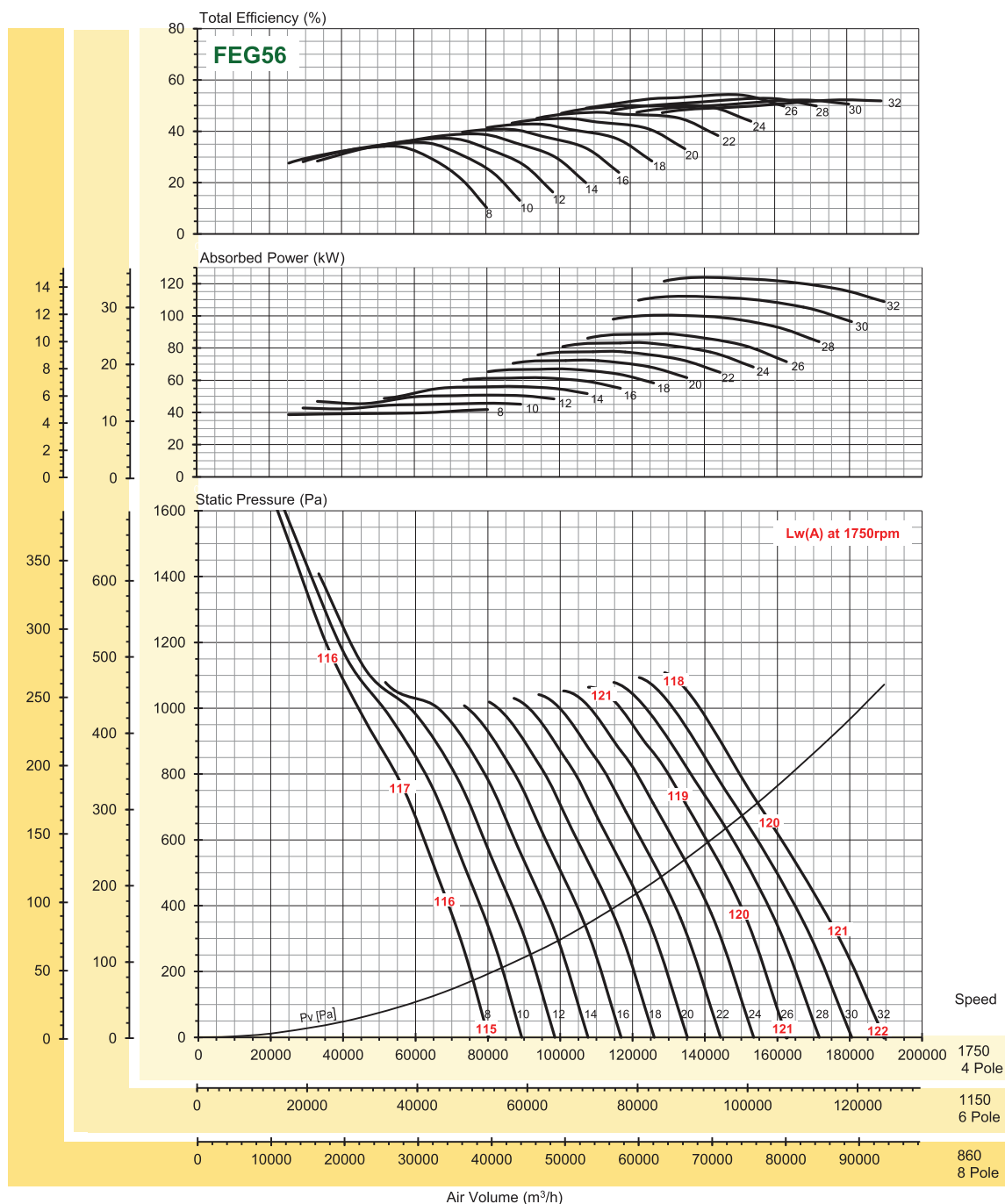
Peak Absorbed Power (kW)														
N (rpm)	Blade Pitch Angle [°]													LwA dB(A)
	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	
860 motor	1.837	2.460	3.095	3.755	4.415	5.075	5.741	6.435	7.306	8.176	9.046	9.916	10.79	-18
	2.2	3	4		5.5		7.5				11			
1150 motor	4.393	5.882	7.400	8.979	10.56	12.14	13.73	15.39	17.47	19.55	21.63	23.71	25.79	-10
	5.5	7.5		11		15		18.5		22		30		
1750 motor	15.48	20.73	26.08	31.64	37.20	42.77	48.38	54.22						0
	18.5	22	30	37	45		55							

* Performance certified for installation type D - Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).
* The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.

60Hz CC 1250/9 T HP

Hub size: 420 mm

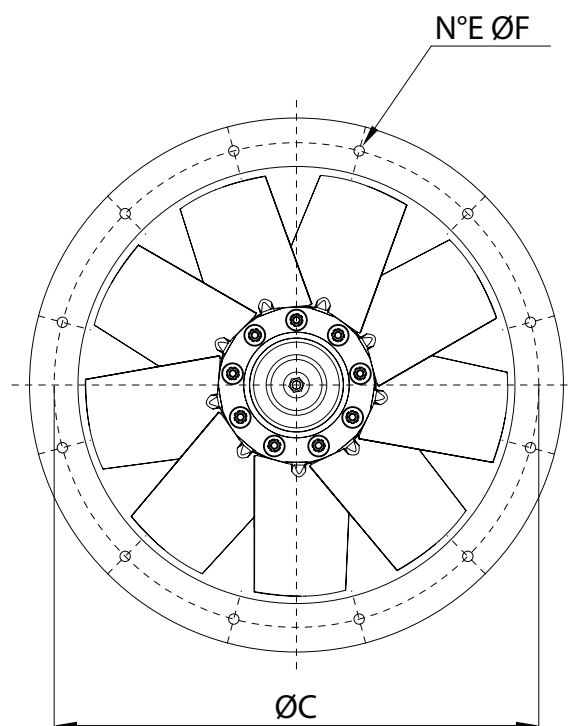
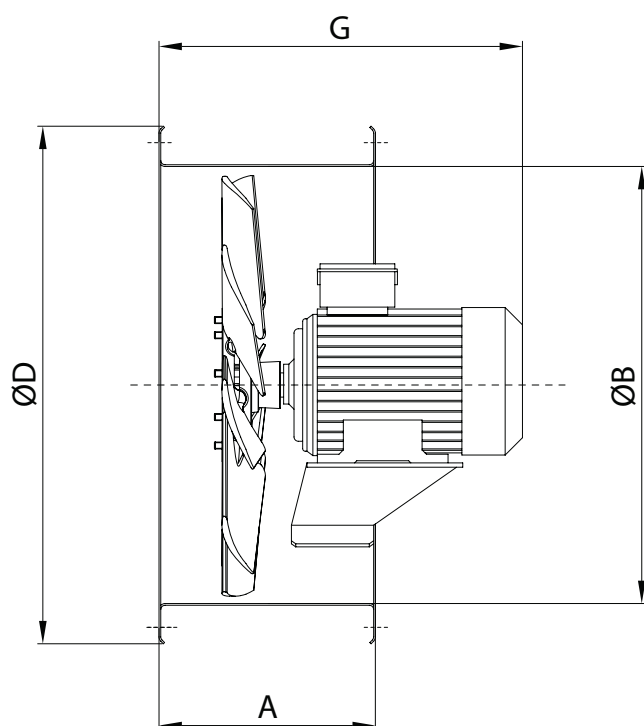
$\rho = 1.2 \text{ kg/m}^3$



Peak Absorbed Power (kW)															
N (rpm)	Blade Pitch Angle [°]													LwA dB(A)	
	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°		
860 motor	4.965	5.432	6.027	6.662	7.297	7.932	8.574	9.222	9.869	10.516	11.837	13.202	14.567	-18	
	5.5			7.5				11				15			
1150 motor	11.872	12.988	14.412	15.931	17.45	18.97	20.50	22.05	23.60	25.14	28.30	31.57	34.83	-11	
			15		18.5			22			30		37		
1750 motor	41.84	45.77	50.79												0
	45	55													

* Performance certified for installation type D - Ducted inlet, Ducted outlet. Performance ratings do not include the effects of appurtenances (accessories).

* The A-weighted sound ratings shown have been calculated per AMCA International Standard 301. Values shown are for inlet LwA sound power levels for installation type D: ducted inlet, ducted outlet. Ratings include the effects of duct end correction.



TYPE	A	ØB	ØC	ØD	E	ØF	G	kg
CC-HP 40	230	400	450	496	8	12	430	30
CC-HP 45	230	450	500	546	8	12	430	38
CC-HP 50	250	500	560	598	12	12	440	39
CC-HP 56	250	560	620	658	12	12	440	42
CC-HP 63	250	630	690	730	12	12	470	52
CC-HP 71	250	710	770	810	16	12	520	66
CC-HP 80	350	800	860	910	16	12	580	125
CC-HP 90	350	900	970	1030	16	16	680	180
CC-HP 100	350	1000	1070	1130	16	16	750	215
CC-HP 112	350	1120	1190	1250	20	16	750	235
CC-HP 125	350	1250	1320	1380	20	16	750	265

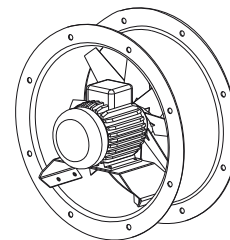
All Dimensions are in mm

-Weight indicated for reference only and may vary depending on the motor/impeller configuration.

-Length of casing (A) is for short casing only, for other dimension please contact nearest sales office.

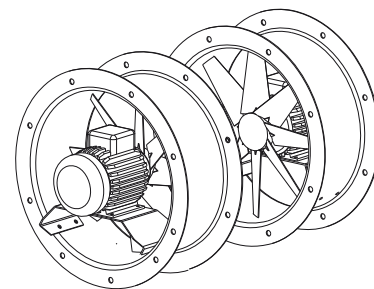
SHORT CASING

The fans of CC-HP series are in short casing execution as standard, for ease of transport and installation and for cost saving based on Motor KW & Pole. This execution is also suitable for assembling in the initial or final part of a ducted system. In this case a correct installation foresees the use of the inlet/outlet bell mouth CCbo (see accessories).

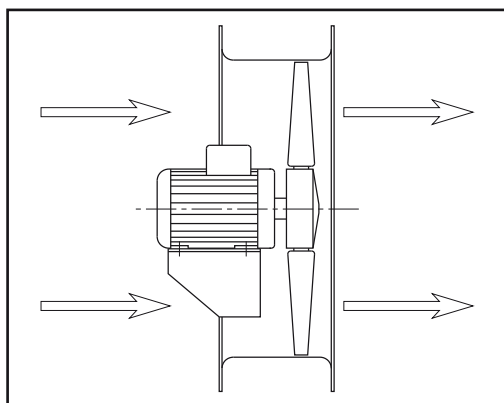


MULTISTAGE

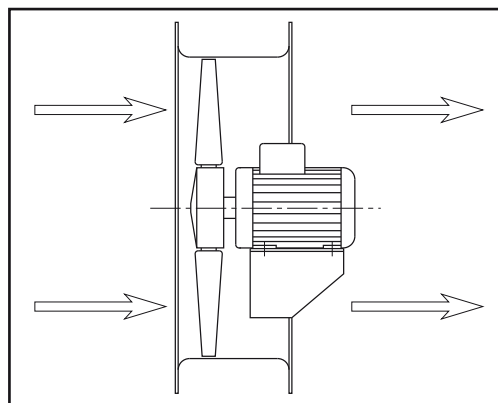
The fans of the CC-HP series foresee the possibility of multistage execution, iso-rotating or contrarotating (assembly of two or more single-stage fans, with impellers rotating in the same or in the opposite direction). This configuration allows to considerably increase the pressure developed. Specifically, the CC-HP series with two contra-rotating stages develops 2.5 times the pressure of a single-stage fan of equal diameter and speed, with a power absorption not bigger than 2 times. In addition, the multi-stage option, compared to the single-stage one, has a favourable relation performances/noise, as the required performance can be achieved with a lower rotational speed.



* Performance of Multistage are not AMCA licensed.



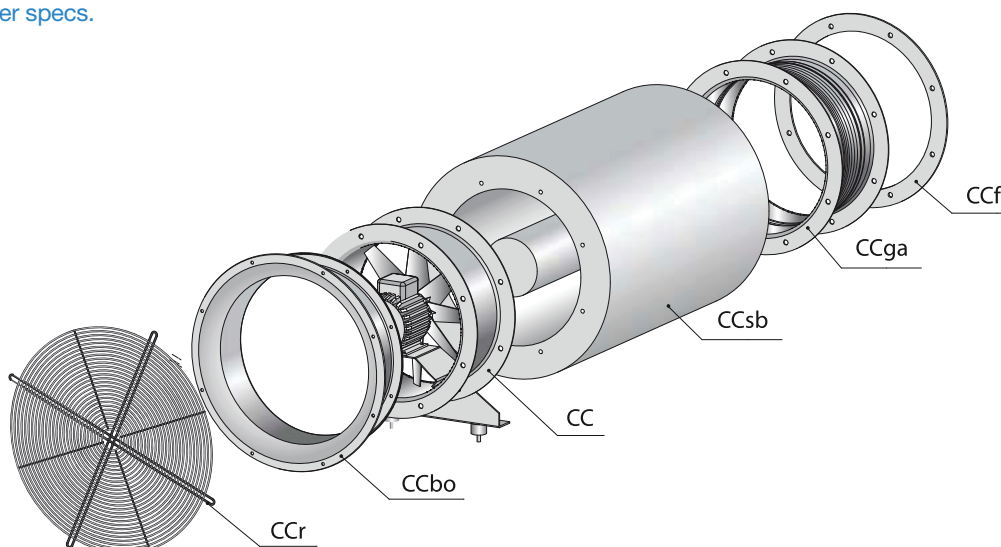
Standard airflow from MOTOR to IMPELLER



Upon request airflow from IMPELLER to motor

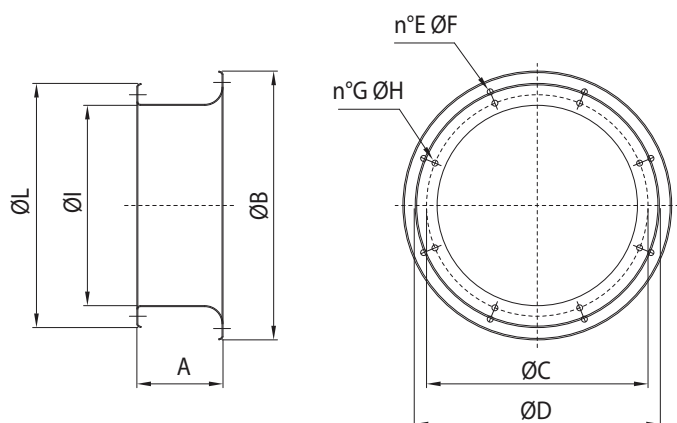
Note:

in this catalogue, a selection only of the performances obtainable with the CC-HP series is shown, able to solve several demands and chosen to combine cost/ performances and delivery time. Upon request, our technical service is able to design several different configurations and installations, based on customer specs.



INLET/OUTLET CONE CCbo

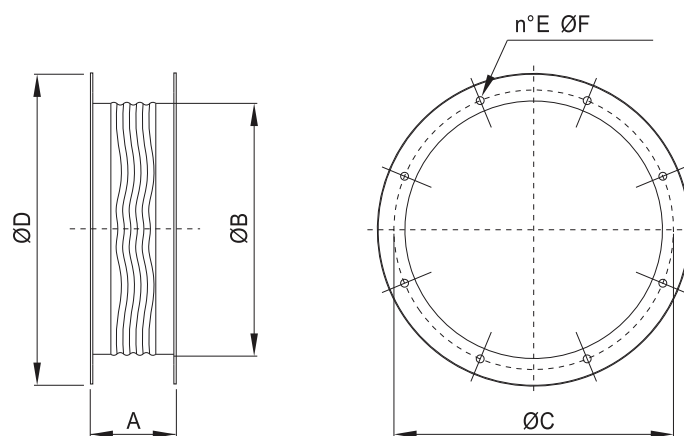
It allows a higher fan efficiency in case of installation with inlet or outlet not ducted. Manufactured in steel sheet, with one flange according to UNI ISO6580 – EUROVENT to be fitted to the CC-HP fan, and an aerodynamically shaped bell mouth, with fixing holes for a protection guard (of one size bigger, example CCbo 71 +CCr 80). Protected against atmospheric agents by anti-corrosive epoxy paint.



TYPE	A	B	C	D	E	F	G	H	I	L	kg
CCb 40	175	546	450	500	8	12	8	12	407	496	5,6
CCb 45	175	598	500	560	12	12	8	12	457	546	6,3
CCb 50	190	658	560	620	12	12	12	12	507	598	8,5
CCb 56	190	730	620	690	12	12	12	12	567	730	8,5
CCb 63	190	810	690	770	16	12	12	12	637	810	9,8
CCb 71	230	910	770	860	16	12	16	12	708	910	12,4
CCb 80	250	1025	860	970	16	16	16	12	808	1025	15,2
CCb 90	300	1125	970	1070	16	16	16	16	910	1125	29,4
CCb 100	300	1245	1070	1190	20	16	16	16	1010	1245	33,3
CCb 112	300	1380	1190	1320	20	16	20	16	1130	1380	37,3
CCb 125	300	1525	1320	1470	20	16	20	16	1260	1525	42,5

FLEXIBLE CONNECTORS CCga-HT

It prevents the propagation of vibrations along the ducted system. Manufactured with two flanges in steel sheet, according to UNI ISO6580 – EUROVENT standard for fixing to the fan and to the duct, and a strong flexible fabric joint. Suitable for high temperature working. Components in steel sheet protected against atmospheric agents by epoxy paint.

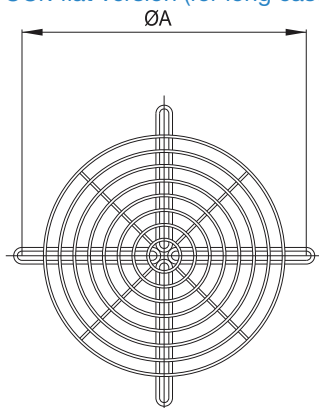


TYPE	A	ØB	ØC	ØD	E	ØF	kg
CCga 40	200	400	450	496	8	12	7
CCga 45	200	450	500	546	8	12	8
CCga 50	200	500	560	598	12	12	9
CCga 56	200	560	620	658	12	12	10
CCga 63	200	630	690	730	12	12	11
CCga 71	200	710	770	810	16	12	13
CCga 80	200	800	860	910	16	12	21
CCga 90	200	900	970	1030	16	16	23
CCga 100	200	1000	1070	1130	16	16	26
CCga 112	200	1120	1190	1250	20	16	29
CCga 125	200	1250	1320	1380	20	16	32
CCga 140	200	1415	1470	1540	20	16	38
CCga 160	200	1615	1680	1730	24	18	44

PROTECTION GUARDS CCr

They prevent from casual contact with moving parts of the fan. Manufactured in steel rod according to UNI 10615 standard and protected against atmospheric agents.

CCr: flat version (for long case and short case on impeller side)

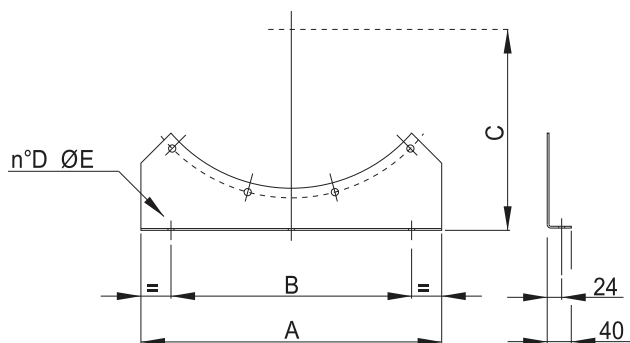


TYPE	ØA	kg
CCr 40	450	0,8
CCr 45	500	1,0
CCr 50	560	1,3
CCr 56	620	1,6
CCr 63	690	1,9
CCr 71	770	2,2
CCr 80	860	3,0
CCr 90	970	3,4
CCr 100	1070	3,5
CCr 112	1190	4,0
CCr 125	1320	4,5
CCr 140	1470	6,5
CCr 160	1680	8,5

Dimensions are in mm

SUPPORT FEET CCst

Suitable to fasten the fan on the floor or to the ceiling. Manufactured in steel sheet and protected against atmospheric agents by anti-corrosive epoxy paint.

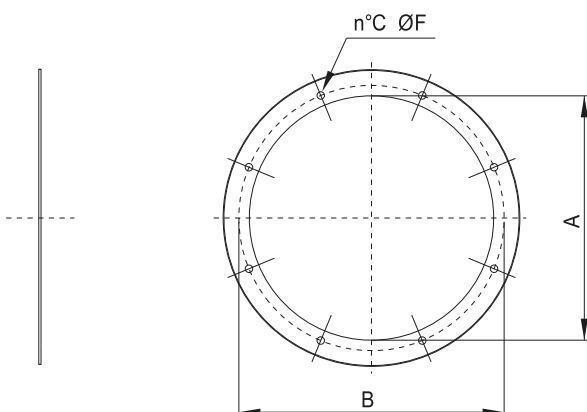


TYPE	A	B	C	D	ØE	kg
CCst 40	400	300	320	2	10	1
CCst 45	450	350	350	2	10	1,5
CCst 50	500	400	380	2	10	2
CCst 56	560	460	410	2	10	2,5
CCst 63	630	480	450	2	10	2,8
CCst 71	710	550	490	2	10	3
CCst 80	800	660	540	3	14	3,8
CCst 90	900	760	600	3	14	4,5
CCst 100	1000	860	640	3	14	4,8
CCst 112	1120	980	710	3	14	6,8
CCst 125	1250	950	770	3	14	7,8
CCst 140	1400	1100	850	3	14	11
CCst 160	1600	1300	960	3	16	21,5

Dimensions are in mm

COUNTER FLANGE CCf

Ring plate with holes according to UNI ISO6580 – EUROVENT standard, compatible with fan flange. It is used for easier connection between the CC-HP fan and the duct.

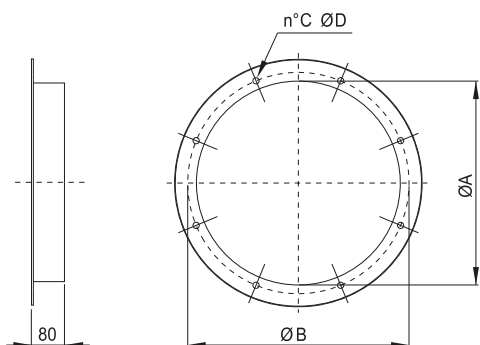


TYPE	ØA	ØB	C	ØD	kg
CCf 40	400	450	8	12	1,7
CCf 45	450	500	8	12	1,9
CCf 50	500	560	12	12	2,1
CCf 56	560	620	12	12	2,4
CCf 63	630	690	12	12	2,7
CCf 71	710	770	16	12	3,3
CCf 80	800	860	16	12	3,7
CCf 90	900	970	16	16	4,7
CCf 100	1000	1070	16	16	5,2
CCf 112	1120	1190	20	16	6,5
CCf 125	1250	1320	20	16	8
CCf 140	1415	1470	20	16	10
CCf 160	1615	1680	24	18	12

Dimensions are in mm

COUNTER FLANGE WITH COLLAR CCfc

Counter flange with addition of 80 mm of round duct. It is used for easier connection between the CC-HP fan and the duct.



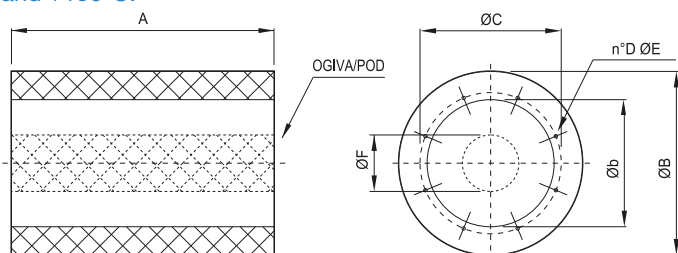
TYPE	ØA	ØB	C	ØD	kg
CCfc 40	400	450	8	12	1,7
CCfc 45	450	500	8	12	2
CCfc 50	500	560	12	12	2,2
CCfc 56	560	620	12	12	2,5
CCfc 63	630	690	12	12	2,9
CCfc 71	710	770	16	12	3,3
CCfc 80	800	860	16	12	3,8
CCfc 90	900	970	16	16	4,2
CCfc 100	1000	1070	16	16	5
CCfc 112	1120	1190	20	16	5,8
CCfc 125	1250	1320	20	16	6,5
CCfc 140	1415	1470	20	16	10
CCfc 160	1615	1680	24	18	12

Dimensions are in mm

CYLINDRICAL SILENCERS CCsa/CCsb

The cylindrical silencers CCs are available in two versions, without pod (CCsa) and with pod (CCsb). The presence of the pod allows a higher noise attenuation, but creates an additional pressure drop in the system. Both the versions can be fixed to the corresponding flange of the CC-HP in inlet and outlet. The CCsa series doesn't create additional losses. The CCsb series gives an additional loss, as shown in the diagram at page **. Silencers can be provided with length equal to 1 - 1,5 - 2 times the diameter (b).

These silencers are manufactured completely in galvanized steel. The internal part and the pod are made in perforated sheet, to effectively allow the sound absorption of the acoustic lining in mineral wool. The working temperature is included from -40°C and +150°C.



TYPE CCsa / CCsb	ØB	Øb	ØC	D	ØE	ØF
40	540	400	450	8	M10	195
45	610	450	500	8	M10	195
50	660	500	560	12	M10	250
56	720	560	620	12	M10	250
63	790	630	690	12	M10	300
71	870	710	770	16	M10	380
80	1000	800	860	16	M10	380
90	1100	900	970	16	M12	380
100	1200	1000	1070	16	M12	655
112	1320	1120	1190	20	M12	655
125	1450	1250	1320	20	M12	655

Dimensions are in mm

TYPE CCsa	A 1Ø	kg	A 1,5Ø	kg	A 2Ø	kg
40	400	12	600	17	800	21
45	450	15	675	20	900	24
50	500	18	750	25	1000	32
56	560	21	840	28	1120	35
63	630	24	945	33	1260	43
71	710	35	1065	49	1420	63
80	800	43	1200	61	1600	79
90	900	70	1350	94	1800	112
100	1000	113	1500	137	2000	161
112	1120	130	1680	154	2240	178
125	1250	152	1875	185	2500	213

Dimensions are in mm

TYPE CCsb	A 1Ø	kg	A 1,5Ø	kg	A 2Ø	kg
40	400	14	600	21	800	26
45	450	17	675	24	900	29
50	500	23	750	32	1000	39
56	560	28	840	37	1120	44
63	630	32	945	44	1260	55
71	710	44	1065	62	1420	78
80	800	56	1200	79	1600	101
90	900	130	1350	153	1800	175
100	1000	143	1500	180	2000	216
112	1120	165	1680	202	2240	238
125	1250	193	1875	240	2500	282

Dimensions are in mm

CCsa: Cylindrical Silencer Without Pod

A = 1 x Øb

Octave spectrum (Hz) of noise attenuation in dB								
TYPE CCsa	63	125	250	500	1K	2K	4K	8K
31	1	1	3	8	14	9	8	7
35	0	0	3	9	14	10	8	6
40	0	0	4	10	13	8	8	5
45	1	1	4	12	12	9	6	6
50	0	0	4	13	11	9	6	5
56	0	0	4	14	11	8	5	4
63	1	1	5	14	10	9	5	5
71	1	1	5	12	9	7	5	5
80	2	3	7	9	8	6	5	4
90	2	3	7	13	8	6	5	4
100	2	3	8	12	8	4	4	4
112	2	3	8	13	7	5	4	3
125	2	3	9	13	7	4	4	3

A = 1,5 x Øb

Octave spectrum (Hz) of noise attenuation in dB								
TYPE CCsa	63	125	250	500	1K	2K	4K	8K
31	1	2	5	12	19	13	11	8
35	0	0	5	12	21	13	11	9
40	1	1	5	14	19	12	10	8
45	1	1	6	17	17	13	9	8
50	1	1	6	18	17	12	9	7
56	1	2	7	20	15	11	8	5
63	1	2	7	20	14	12	8	6
71	2	2	7	18	11	9	6	7
80	2	5	10	13	12	9	7	7
90	2	5	11	16	11	7	7	5
100	2	5	12	17	10	6	6	5
112	3	5	12	18	8	6	5	4
125	3	6	12	17	8	5	5	4

A = 2 x Øb

Octave spectrum (Hz) of noise attenuation in dB								
TYPE CCsa	63	125	250	500	1K	2K	4K	8K
31	4	6	6	16	26	17	13	9
35	0	2	6	15	25	16	12	10
40	0	2	7	18	24	15	12	9
45	0	1	7	21	21	15	10	8
50	1	2	8	23	21	14	11	8
56	1	1	9	24	19	14	10	7
63	1	2	9	25	17	14	10	7
71	2	4	9	24	14	11	8	8
80	4	6	13	22	14	10	9	7
90	4	6	14	23	13	9	7	6
100	4	6	16	23	12	7	7	6
112	4	6	15	23	10	7	6	6
125	5	8	17	22	10	6	6	5

CCsb: Cylindrical Silencer With Pod

A = 1 x Øb

Octave spectrum (Hz) of noise attenuation in dB								
TYPE CCsb	63	125	250	500	1K	2K	4K	8K
31	0	1	4	9	16	17	13	10
35	0	0	4	11	22	21	15	12
40	0	1	4	11	20	18	14	11
45	0	1	6	14	21	19	13	9
50	1	2	5	13	20	16	11	8
56	1	1	6	15	21	17	11	8
63	1	1	6	15	19	16	10	8
71	1	2	7	15	20	18	12	10
80	2	3	9	12	17	15	9	8
90	2	4	8	15	16	11	8	7
100	4	8	14	20	24	21	14	10
112	4	6	13	20	21	14	8	7
125	4	7	12	18	19	10	6	6

A = 1,5 x Øb

Octave spectrum (Hz) of noise attenuation in dB								
TYPE CCsb	63	125	250	500	1K	2K	4K	8K
31	2	4	5	13	23	26	18	12
35	1	1	7	15	33	32	22	17
40	1	2	6	15	31	27	19	14
45	1	2	7	19	31	28	18	12
50	2	3	7	19	29	24	14	10
56	2	3	9	22	32	27	15	11
63	2	2	9	22	29	23	14	10
71	2	3	11	22	31	25	13	11
80	3	6	13	18	26	22	12	11
90	3	5	12	20	24	16	10	9
100	6	10	22	30	37	29	16	12
112	6	10	19	29	33	20	11	10
125	6	10	18	28	29	14	9	7

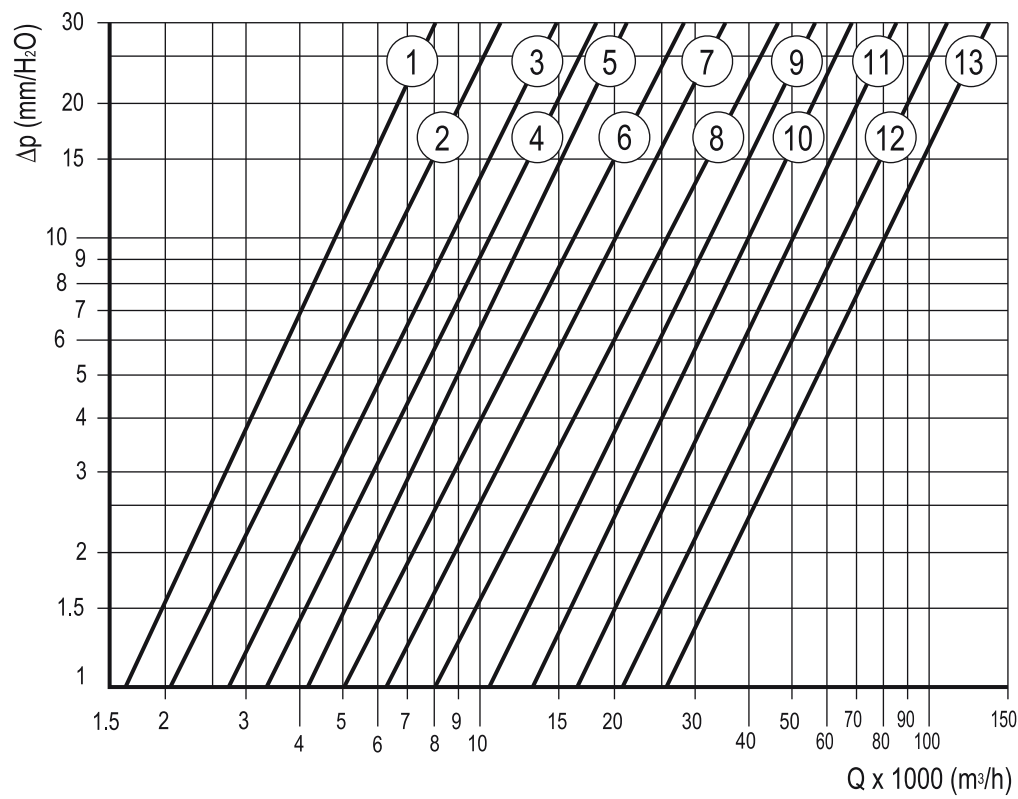
A = 2 x Øb

Octave spectrum (Hz) of noise attenuation in dB								
TYPE CCsb	63	125	250	500	1K	2K	4K	8K
31	3	6	7	17	32	33	22	17
35	1	2	8	19	40	39	27	20
40	1	2	9	20	37	35	23	16
45	2	3	10	23	39	36	21	15
50	2	3	10	24	38	32	18	12
56	1	2	12	27	41	35	18	12
63	2	3	11	27	37	29	15	12
71	3	5	14	29	41	32	18	15
80	3	6	16	29	35	26	15	12
90	4	7	17	30	34	20	12	11
100	7	13	28	39	47	38	19	13
112	8	14	26	36	42	24	13	11
125	7	13	25	35	37	17	11	9

Silencer with Pod loss charge diagram CCsb



N.B.: Without pod (CCsa) loss charge irrelevant



TYPE	n°
CCsb 31	1
CCsb 35	2
CCsb 40	3
CCsb 45	4
CCsb 50	5
CCsb 56	6
CCsb 63	7
CCsb 71	8
CCsb 80	9
CCsb 90	10
CCsb 100	11
CCsb 112	12
CCsb 125	13

* Performance of Silencer pressure loss and noise attenuation are not AMCA licensed.

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