



VQN

SINGLE INLET
INDUSTRIAL FAN
with Backward Wheels



VQN Series

SINGLE INLET INDUSTRIAL FAN with Backward Wheels



Kruger Ventilation Industries Asia Co.,Ltd certifies that the **VQN Series – model 711 to 2001** 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 comply with the requirements of the AMCA Certified Ratings Program.



APPLICATION

This series is particularly suitable for pneumatic conveyance of dust laden air, saw dust and short wooden chips, with exclusion of fibrous materials. It is also suitable for conditioning, drying and forced draughts (flues) systems.

This series incorporates backward curved impellers and is characterized by high efficiency (82%). The maximum fluid temperature is 60°C. For higher temperature application please consult the nearest Kruger office.

PERFORMANCE

All performance data are obtained at 20°C, 101.325kPa condition with air density of 1.2 kg/m³.

The tentative performance data shown on each diagram are obtained from tests in accordance with AMCA Standard 210 – Fig 12 – installation type B (free inlet and ducted outlet condition).

The data are organized using logarithmic scale with total pressure as a function of the air volume flow rate.

It is essential that, when comparing fan performance, the same installation type and test standard are used at all times.

NOISE

The noise levels shown on each diagram refer to "A-weighted" sound power values at the inlet side of the fan. The data are obtained from tests in accordance with AMCA Standard 300 diag. 2 - configuration "B". The noise levels of the fans are determined as follow:

- Sound power level - ("A" scale): L_w (A) as per performance graph

- Sound pressure level:

a) Free field

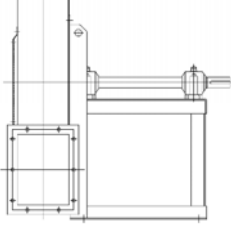
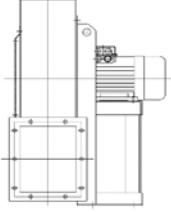
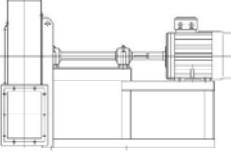
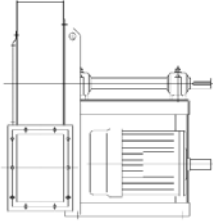
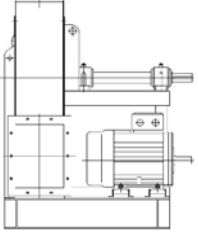
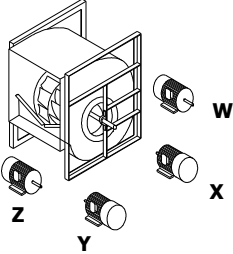
$$L_p(A) = L_w(A) - 20\log_{10}d - 11$$

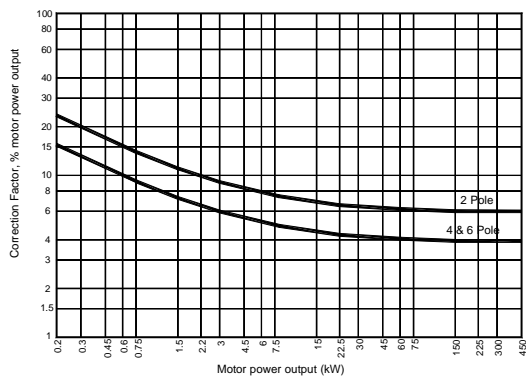
b) Room condition

$$L_p(A) = L_w(A) - 20\log_{10}d - 8$$

where d = distance from fan inlet (m)

ARRANGEMENT

<p>Arrangement 1</p> <p>For belt drive. Wheel overhung. Two bearings on base.</p> 	<p>Arrangement 4</p> <p>For direct drive. Wheel mounted on motor shaft.</p> 
<p>Arrangement 8</p> <p>For direct drive. Arrangement 1 plus extended base for motor.</p> 	<p>Arrangement 9</p> <p>For belt drive. Similar to Arrangement 1 with wheel overhung, motor supported by the base (outside).</p> 
<p>Arrangement 12</p> <p>For belt drive. Similar to Arrangement 1 with both fan and motor supported by the foundation frame.</p> 	<p>MOTOR POSITION</p> <p>The position of the motor for belt drive centrifugal fan is in accordance with AMCA standard 99-2407-66. Location of motor is determined by facing the drive side of fan and designating the positions by letters W, X, Y, or Z.</p> 



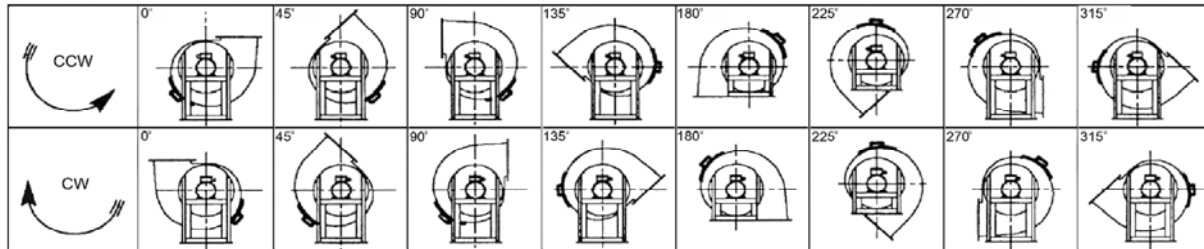
MOTOR SELECTION

The power curves shown on each performance diagram represent the absorbed power of the fan measured in kW.

To determine the power of the motor to be installed, a correction factor should be applied to compensate for transmission losses. For conversion to horsepower (HP), use multiplying factor 1.34.

FAN ROTATION AND DISCHARGE

The rotation and discharge of the fan is in accordance with AMCA standard 99-2406-83.
The direction of rotation is determined from the drive side of the fan:



TECHNICAL SPECIFICATION

Wheel

Wheel is made of cold rolled sheet steel with backward blades and polyester powder coating finish. Other materials are available upon request.

Housing

Fully welded housing is manufactured in mild steel finished with polyester powder coating. Other materials are available upon request.

Bearings

Bearings used are spherical roller bearing sealed at both sides. It is recommended to use a lithium base grease suitable for all temperature values within the operation limit to re-lubricate the bearings in/at regular intervals.

Shaft

Shaft is manufactured from C45 carbon steel using an automatic process for positioning and cutting of the keyway. All dimensional tolerances of the shaft are fully checked to ensure a precise fit. All shafts are coated with anti-corrosion varnish after assembly.

Balancing Quality

All wheels are statically and dynamically balanced to ISO1940 and AMCA 204 – G2.5 standard.
All fans after assembly are trim-balanced to ISO1940 and AMCA 204 - G2.5 standard.

Frame

The frame is manufactured with sections of steel and finished with polyester powder coating.
Frame+housing: VQN 711 & above
Frame+disc (Rotatable): VQN 631 & below

ACCESSORIES

Guard

Inlet guards, discharge guards are available on request.

Inlet Vane Control

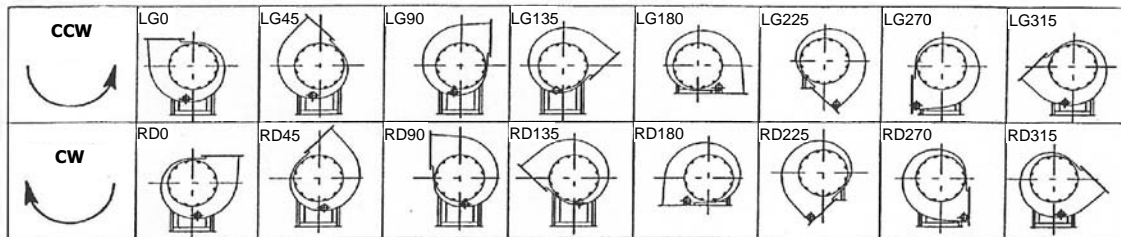
The inlet vane control enables energy saving. The amount of saving varies according to the vane control method. It is available on request.

Flexible Duct

Flexible Ducts are available on request.

Casing Drain

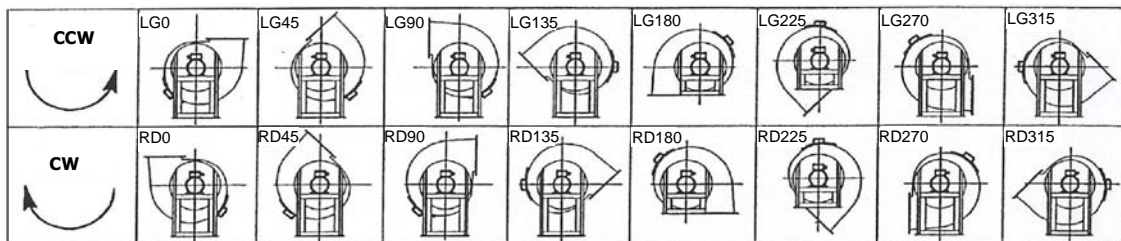
This option is available when fans are exposed to the atmosphere or operating in high humidity conditions.



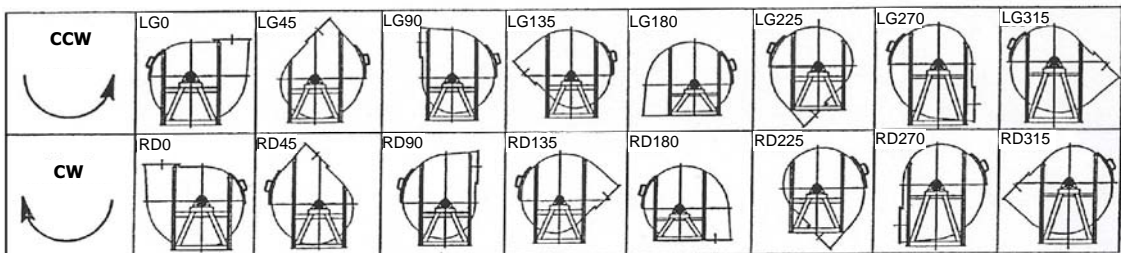
Inspection Door

Inspection doors can be supplied upon request. They can be supplied in one of the following positions.

Rotatable Cases (VQN 251-VQN 631)

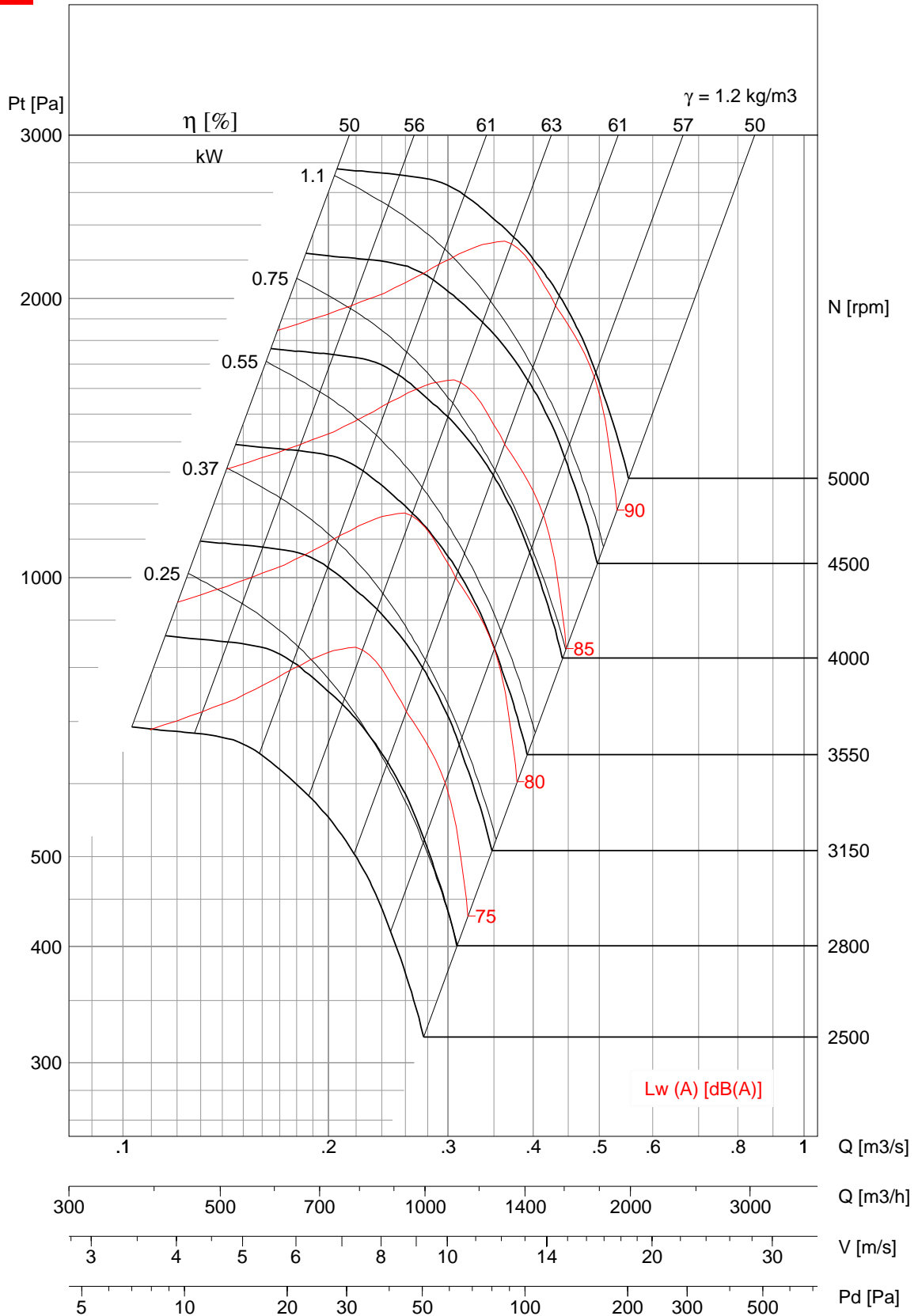


Fixed Cases (VQN 711-VQN 2001)





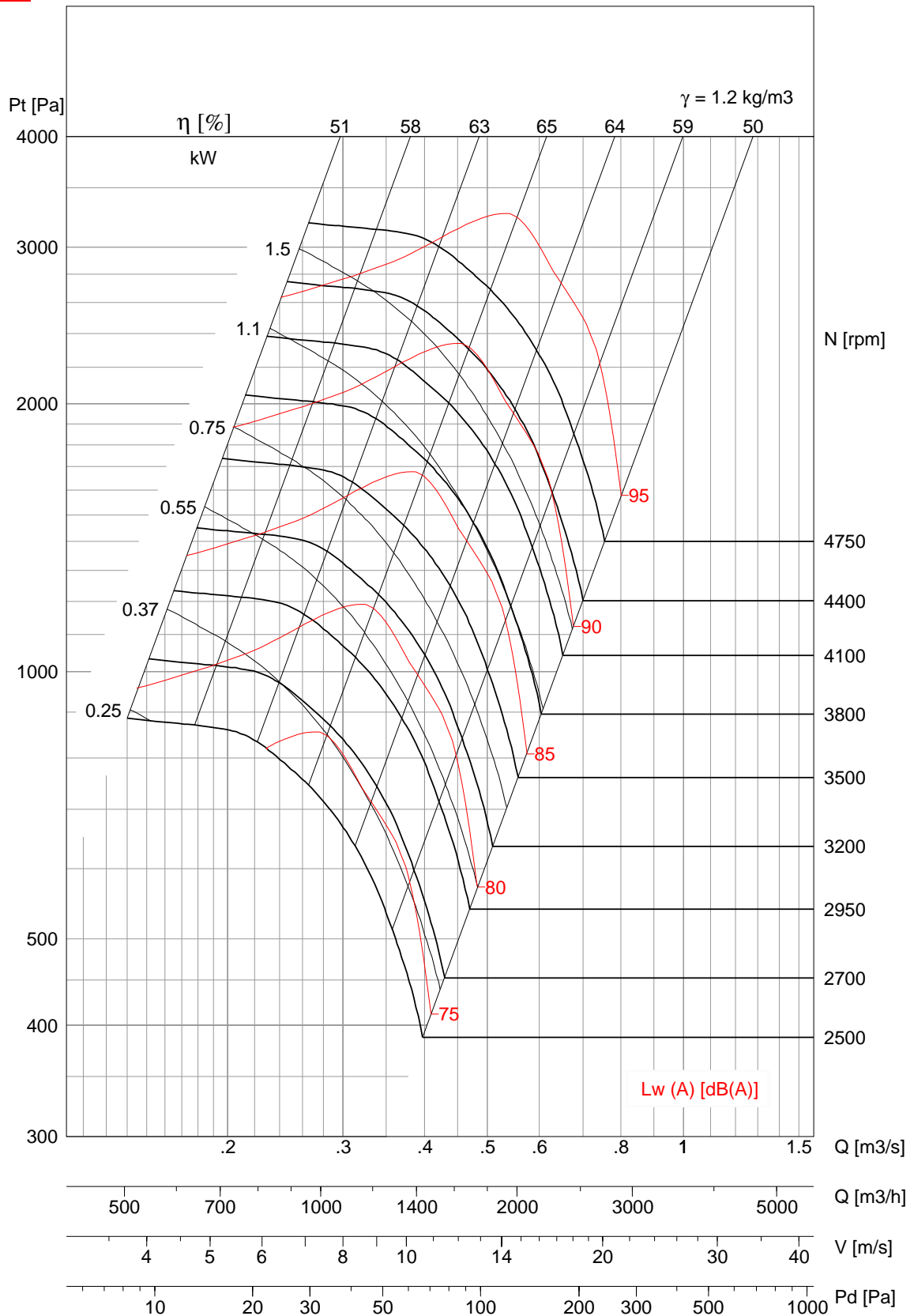
VQN 251



- Performance shown is for Installation type B - free inlet, ducted outlet. Power rating kW does not include transmission losses.
- The A-weighted sound ratings shown have been calculated per AMCA standard 301. Values shown are for inlet Lw(A) sound power levels for installation type B - free inlet, ducted outlet. Ratings do not include the effect of duct end corrections.
- Model VQN 251 is not licensed to bear the AMCA Certified Ratings Seal.
- Maximum operating speed: $\leq 100^\circ\text{C} = 5000 \text{ rpm}$; $101 \sim 200^\circ\text{C} = 4500 \text{ rpm}$; $201 \sim 300^\circ\text{C} = 4000 \text{ rpm}$.



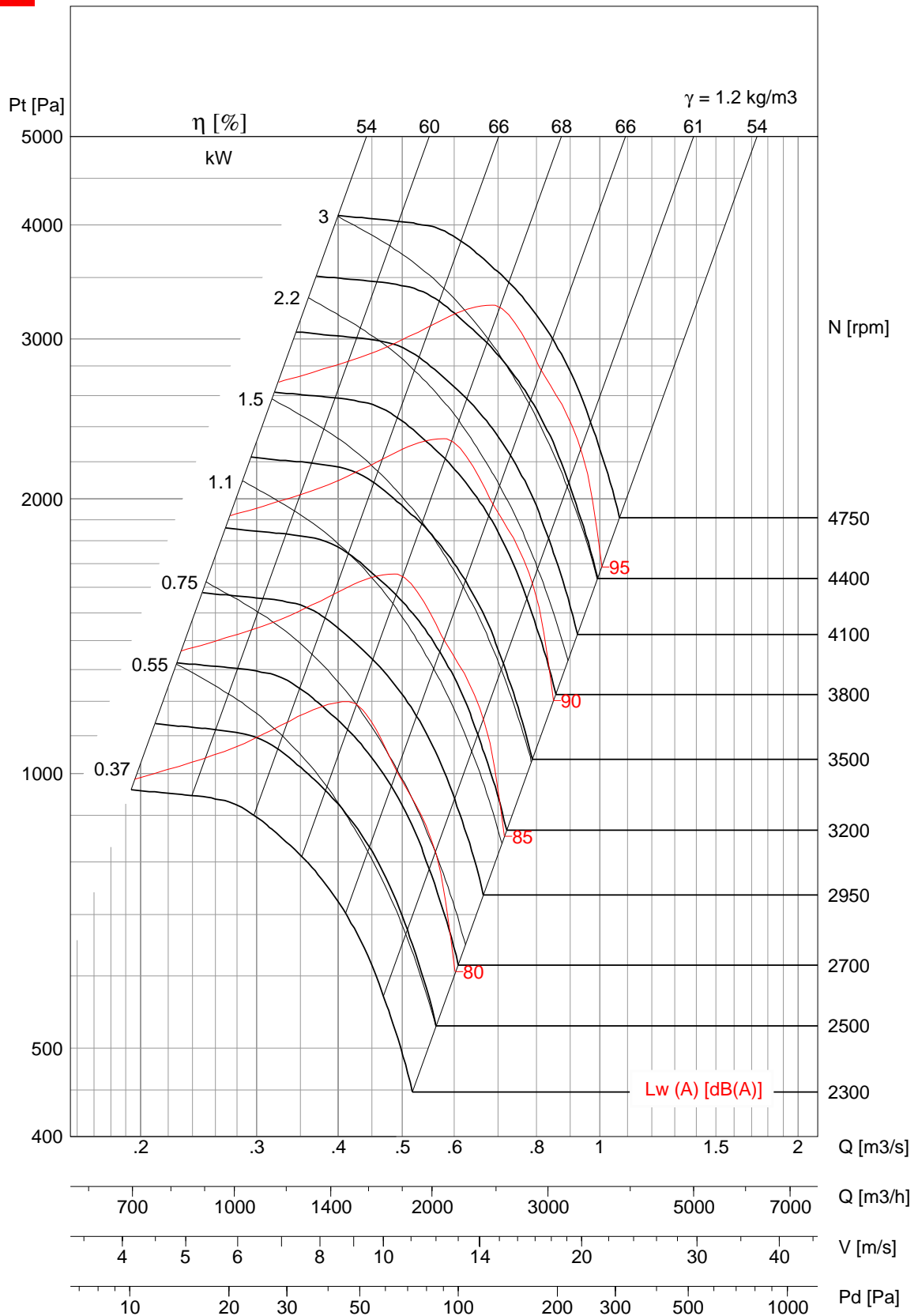
VQN 281



- Performance shown is for Installation type B – free inlet, ducted outlet. Power rating kW does not include transmission losses.
- The A-weighted sound ratings shown have been calculated per AMCA standard 301. Values shown are for inlet $L_w(A)$ sound power levels for installation type B – free inlet, ducted outlet. Ratings do not include the effect of duct end corrections.
- Model VQN 281 is not licensed to bear the AMCA Certified Ratings Seal.
- Maximum operating speed: $\leq 100^\circ\text{C} = 4750 \text{ rpm}$; $101 \sim 200^\circ\text{C} = 4250 \text{ rpm}$; $201 \sim 300^\circ\text{C} = 3750 \text{ rpm}$.



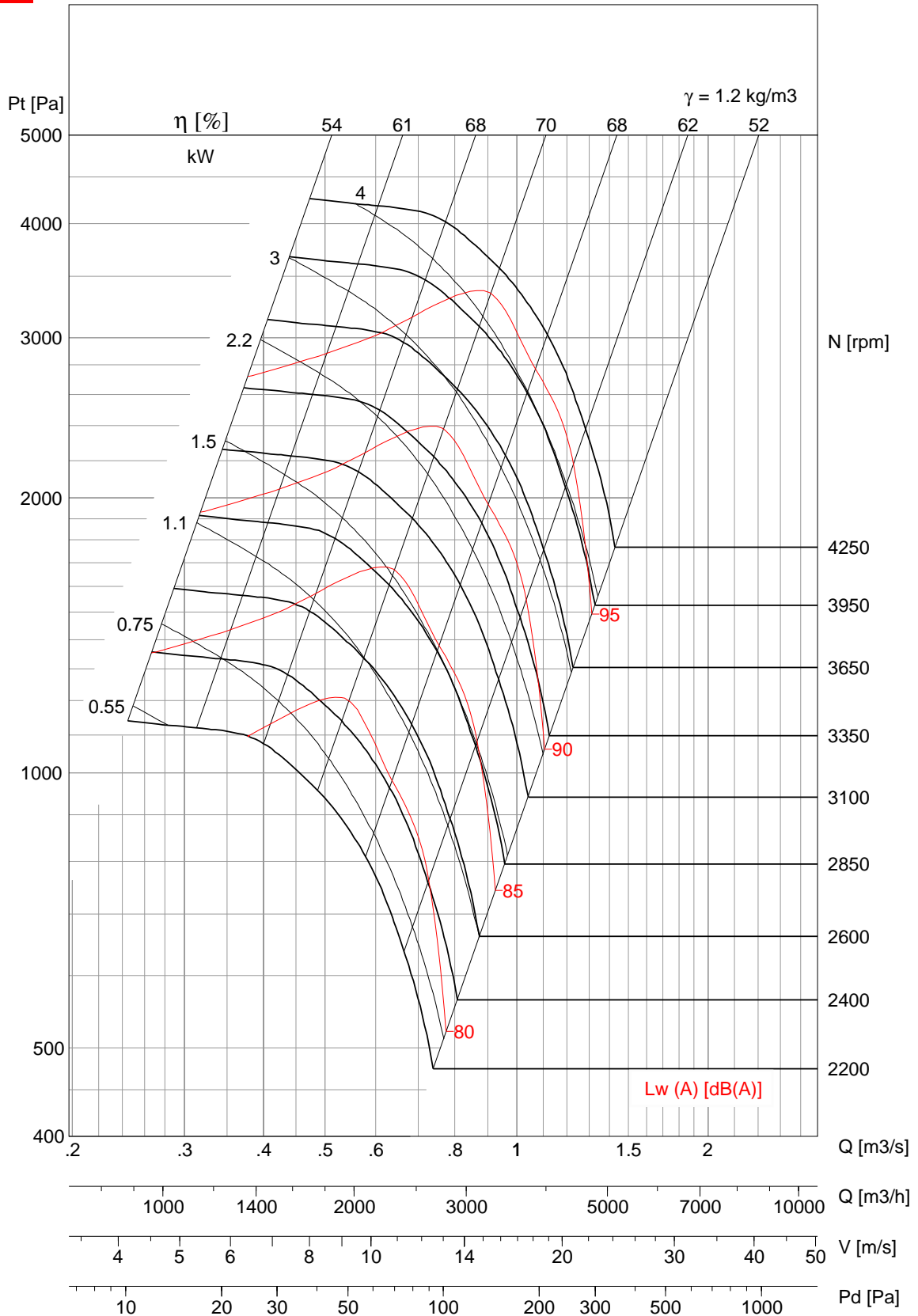
VQN 311



- Performance shown is for Installation type B - free inlet, ducted outlet. Power rating kW does not include transmission losses.
- The A-weighted sound ratings shown have been calculated per AMCA standard 301. Values shown are for inlet Lw(A) sound power levels for installation type B - free inlet, ducted outlet. Ratings do not include the effect of duct end corrections.
- Model VQN 311 is not licensed to bear the AMCA Certified Ratings Seal.
- Maximum operating speed: $\leq 100^\circ\text{C} = 4500 \text{ rpm}$; $101 \sim 200^\circ\text{C} = 4000 \text{ rpm}$; $201 \sim 300^\circ\text{C} = 3550 \text{ rpm}$.



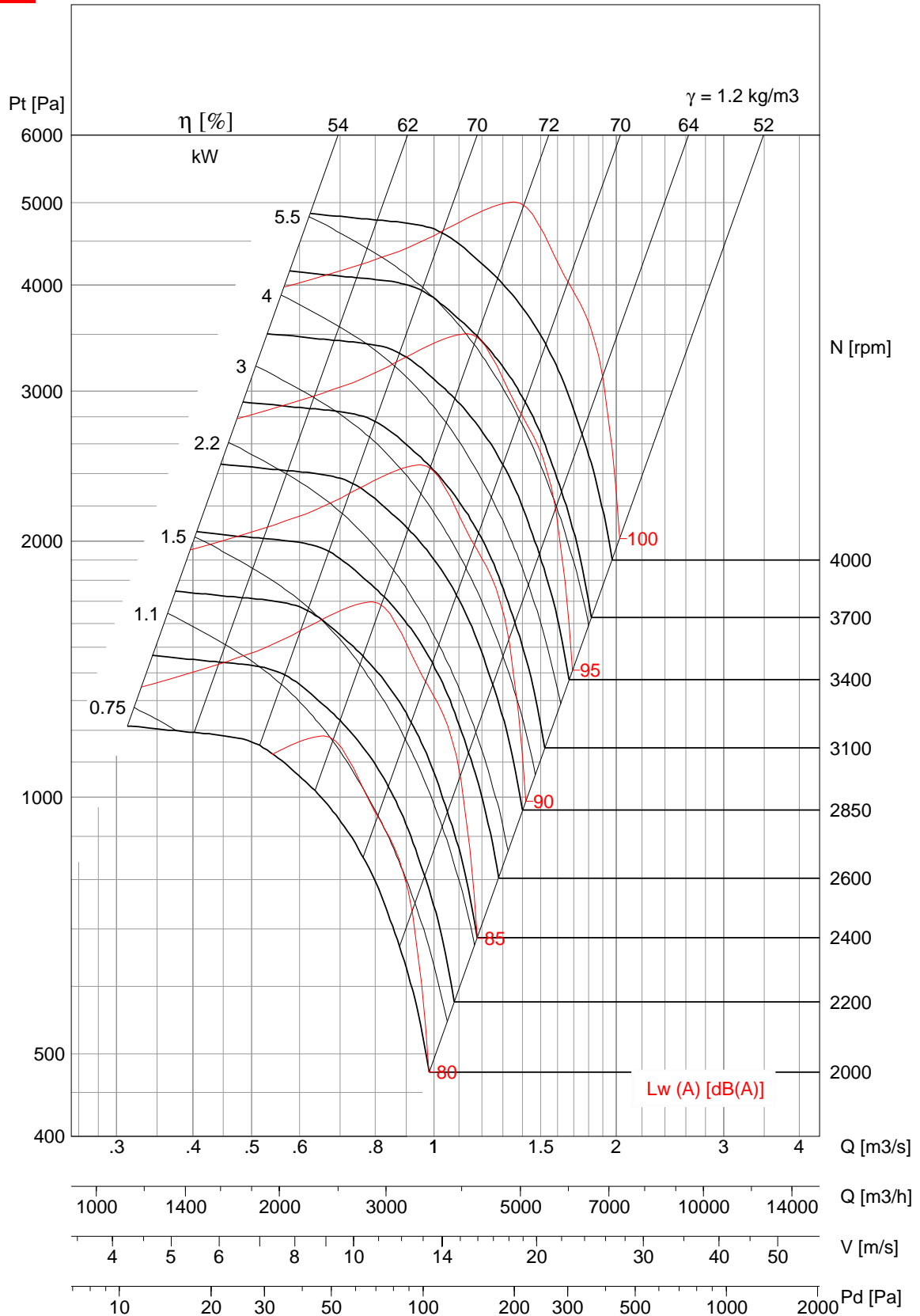
VQN 351



- Performance shown is for Installation type B – free inlet, ducted outlet. Power rating kW does not include transmission losses.
- The A-weighted sound ratings shown have been calculated per AMCA standard 301. Values shown are for inlet Lw(A) sound power levels for installation type B – free inlet, ducted outlet. Ratings do not include the effect of duct end corrections.
- Model VQN 351 is not licensed to bear the AMCA Certified Ratings Seal.
- Maximum operating speed: $\leq 100^\circ\text{C} = 4250 \text{ rpm}$; $101 \sim 200^\circ\text{C} = 3750 \text{ rpm}$; $201 \sim 300^\circ\text{C} = 3350 \text{ rpm}$.



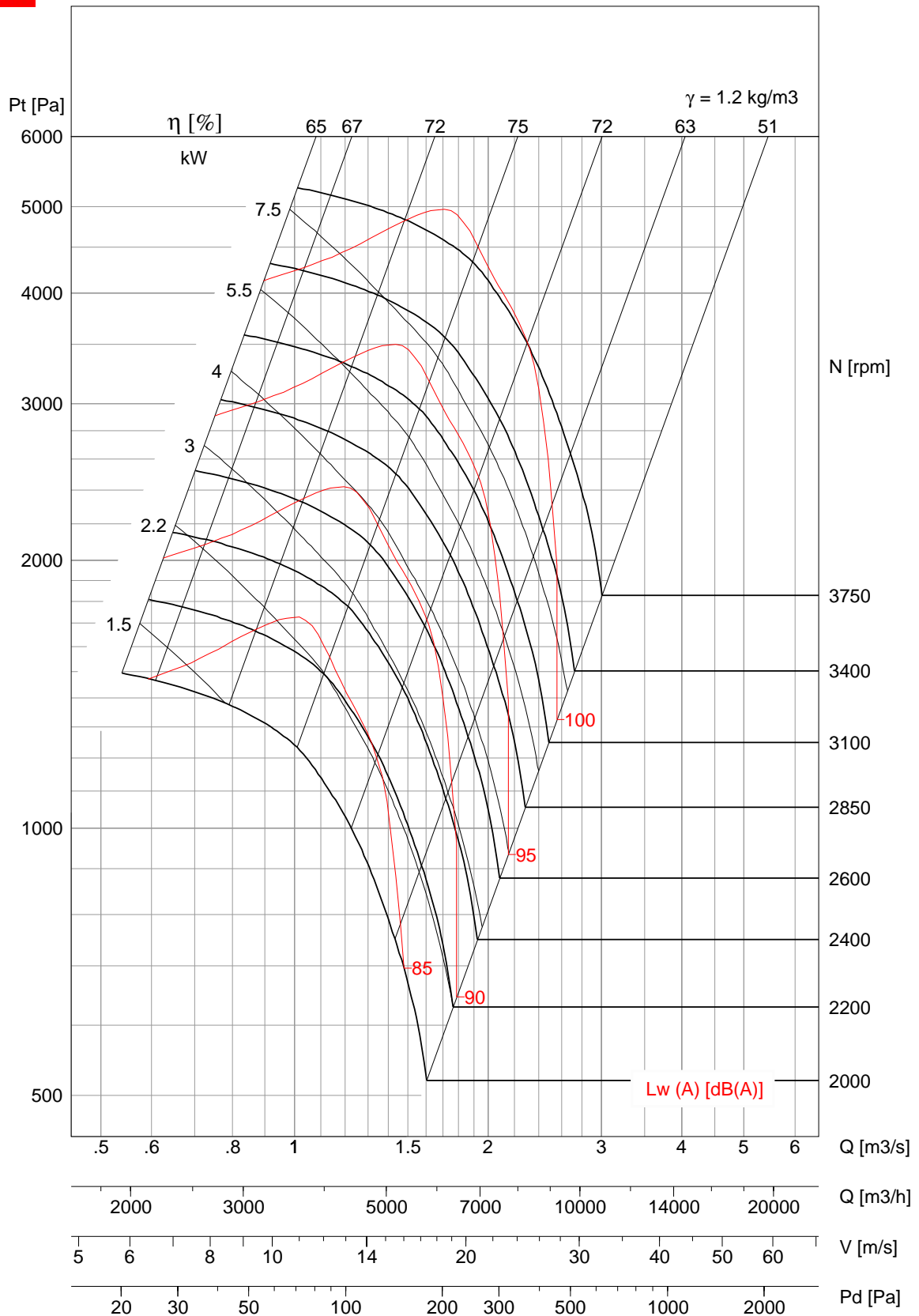
VQN 401



- Performance shown is for Installation type B - free inlet, ducted outlet. Power rating kW does not include transmission losses.
- The A-weighted sound ratings shown have been calculated per AMCA standard 301. Values shown are for inlet Lw(A) sound power levels for installation type B - free inlet, ducted outlet. Ratings do not include the effect of duct end corrections.
- Model VQN 401 is not licensed to bear the AMCA Certified Ratings Seal.
- Maximum operating speed: $\leq 100^\circ\text{C} = 4000 \text{ rpm}$; $101 \sim 200^\circ\text{C} = 3550 \text{ rpm}$; $201 \sim 300^\circ\text{C} = 3150 \text{ rpm}$.



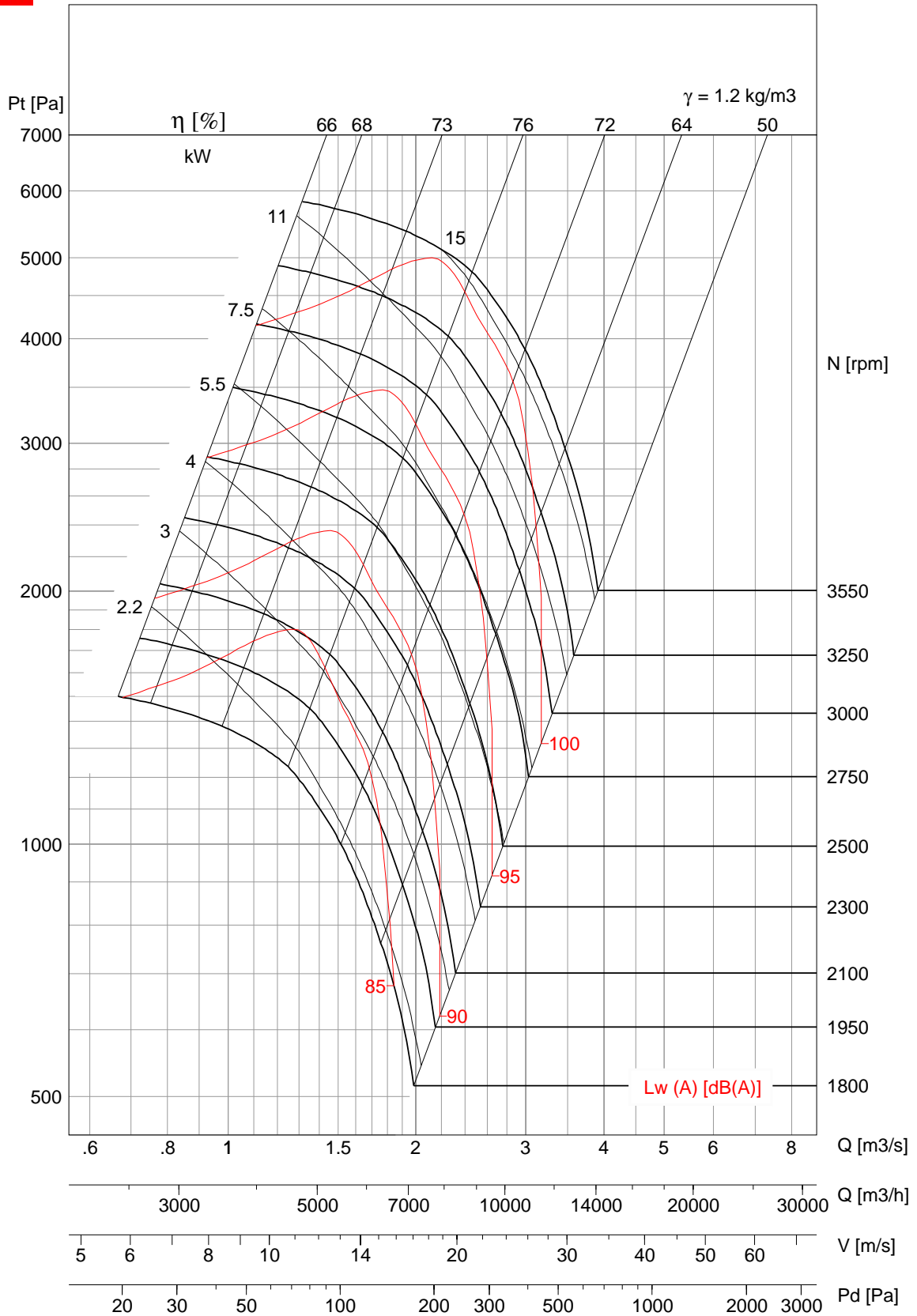
VQN 451



- Performance shown is for Installation type B – free inlet, ducted outlet. Power rating kW does not include transmission losses.
- The A-weighted sound ratings shown have been calculated per AMCA standard 301. Values shown are for inlet $L_w(A)$ sound power levels for installation type B – free inlet, ducted outlet. Ratings do not include the effect of duct end corrections.
- Model VQN 451 is not licensed to bear the AMCA Certified Ratings Seal.
- Maximum operating speed: $\leq 100^\circ\text{C} = 3750 \text{ rpm}$; $101 \sim 200^\circ\text{C} = 3350 \text{ rpm}$; $201 \sim 300^\circ\text{C} = 3000 \text{ rpm}$.



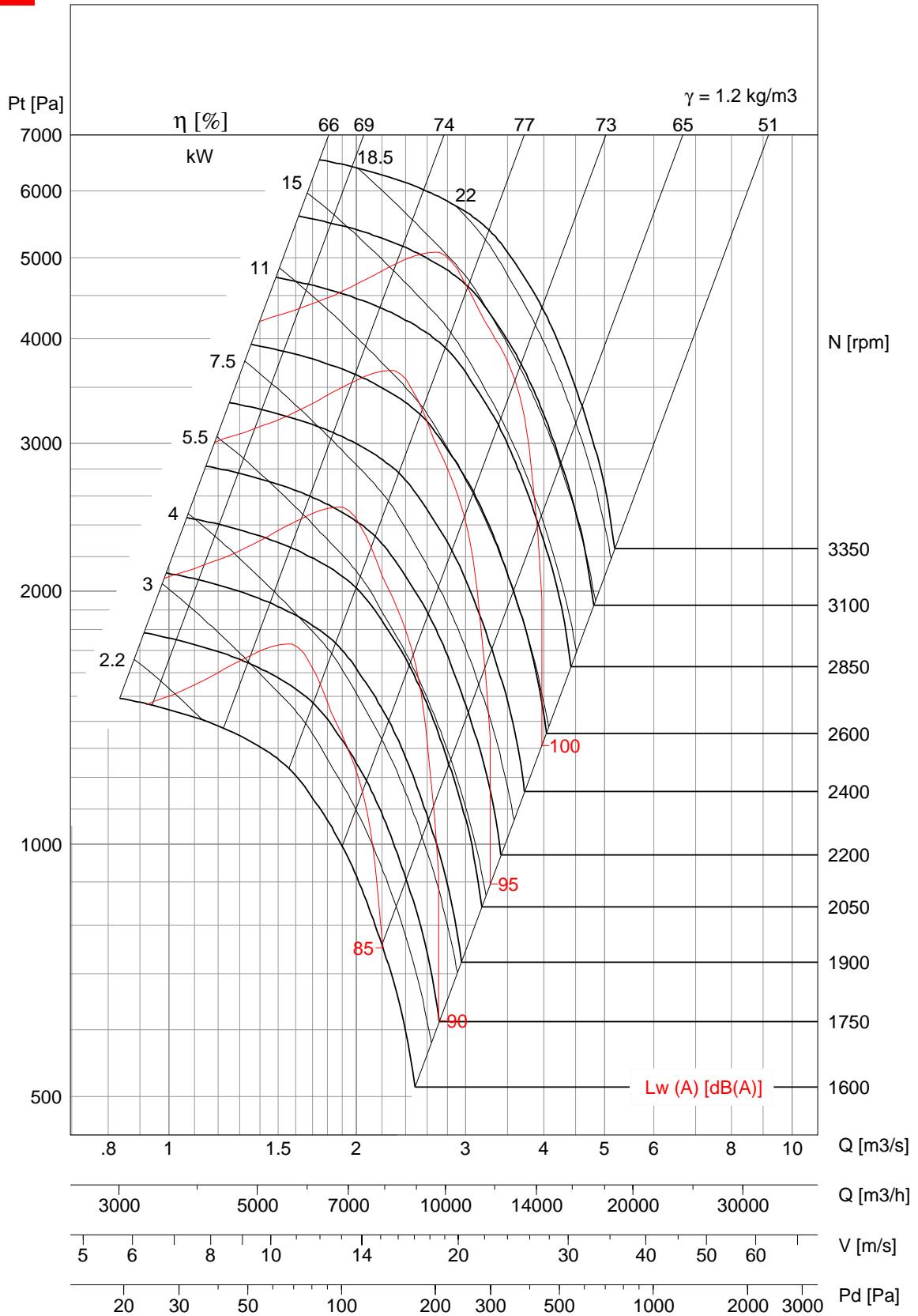
VQN 501



- Performance shown is for Installation type B – free inlet, ducted outlet. Power rating kW does not include transmission losses.
- The A-weighted sound ratings shown have been calculated per AMCA standard 301. Values shown are for inlet Lw(A) sound power levels for installation type B – free inlet, ducted outlet. Ratings do not include the effect of duct end corrections.
- Model VQN 501 is not licensed to bear the AMCA Certified Ratings Seal.
- Maximum operating speed: $\leq 100^\circ\text{C} = 3550 \text{ rpm}$; $101 \sim 200^\circ\text{C} = 3150 \text{ rpm}$; $201 \sim 300^\circ\text{C} = 2800 \text{ rpm}$.



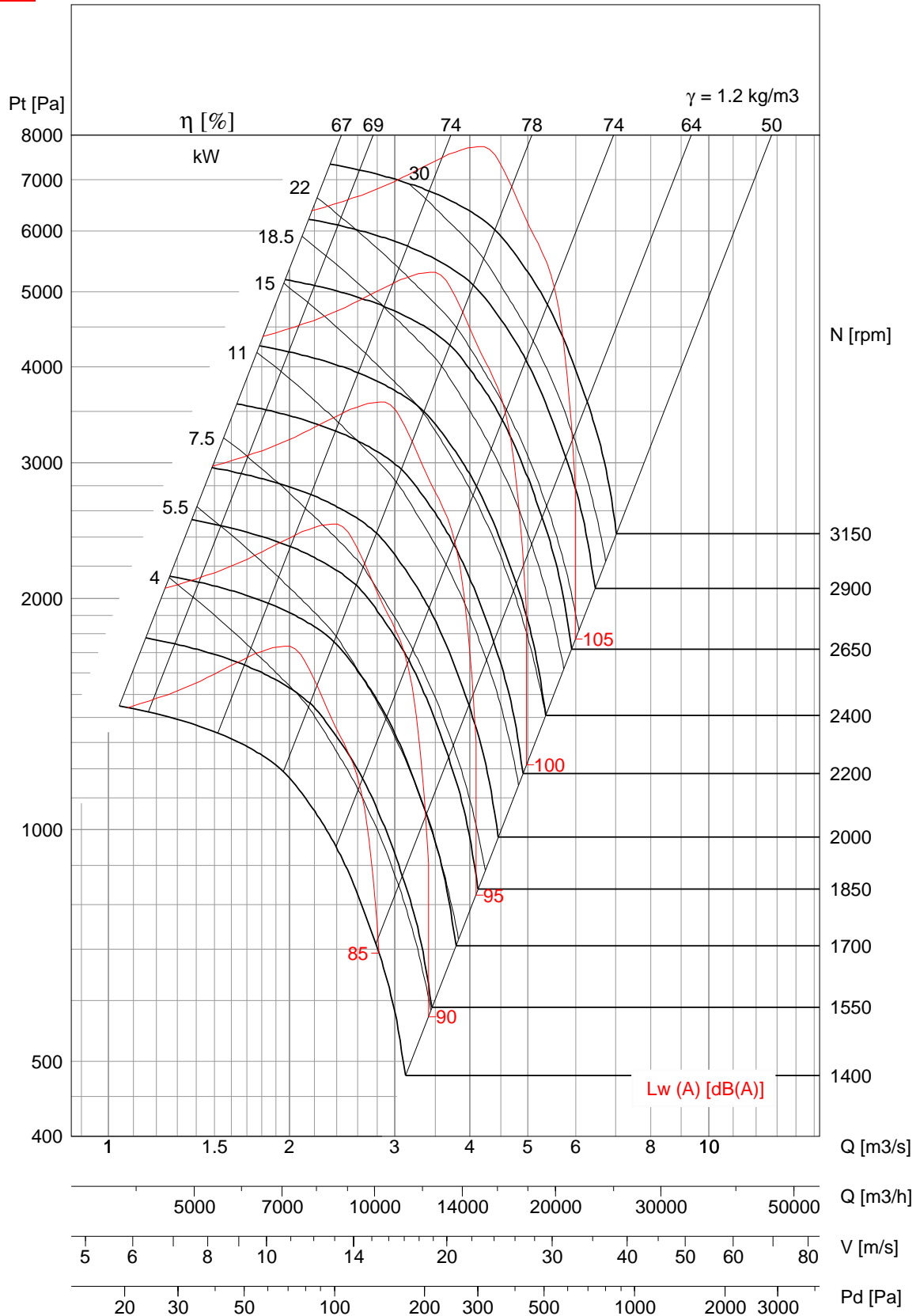
VQN 561



- Performance shown is for Installation type B - free inlet, ducted outlet. Power rating kW does not include transmission losses.
- The A-weighted sound ratings shown have been calculated per AMCA standard 301. Values shown are for inlet Lw(A) sound power levels for installation type B - free inlet, ducted outlet. Ratings do not include the effect of duct end corrections.
- Model VQN 561 is not licensed to bear the AMCA Certified Ratings Seal.
- Maximum operating speed: $\leq 100^\circ\text{C} = 3350 \text{ rpm}$; $101 \sim 200^\circ\text{C} = 3000 \text{ rpm}$; $201 \sim 300^\circ\text{C} = 2650 \text{ rpm}$.



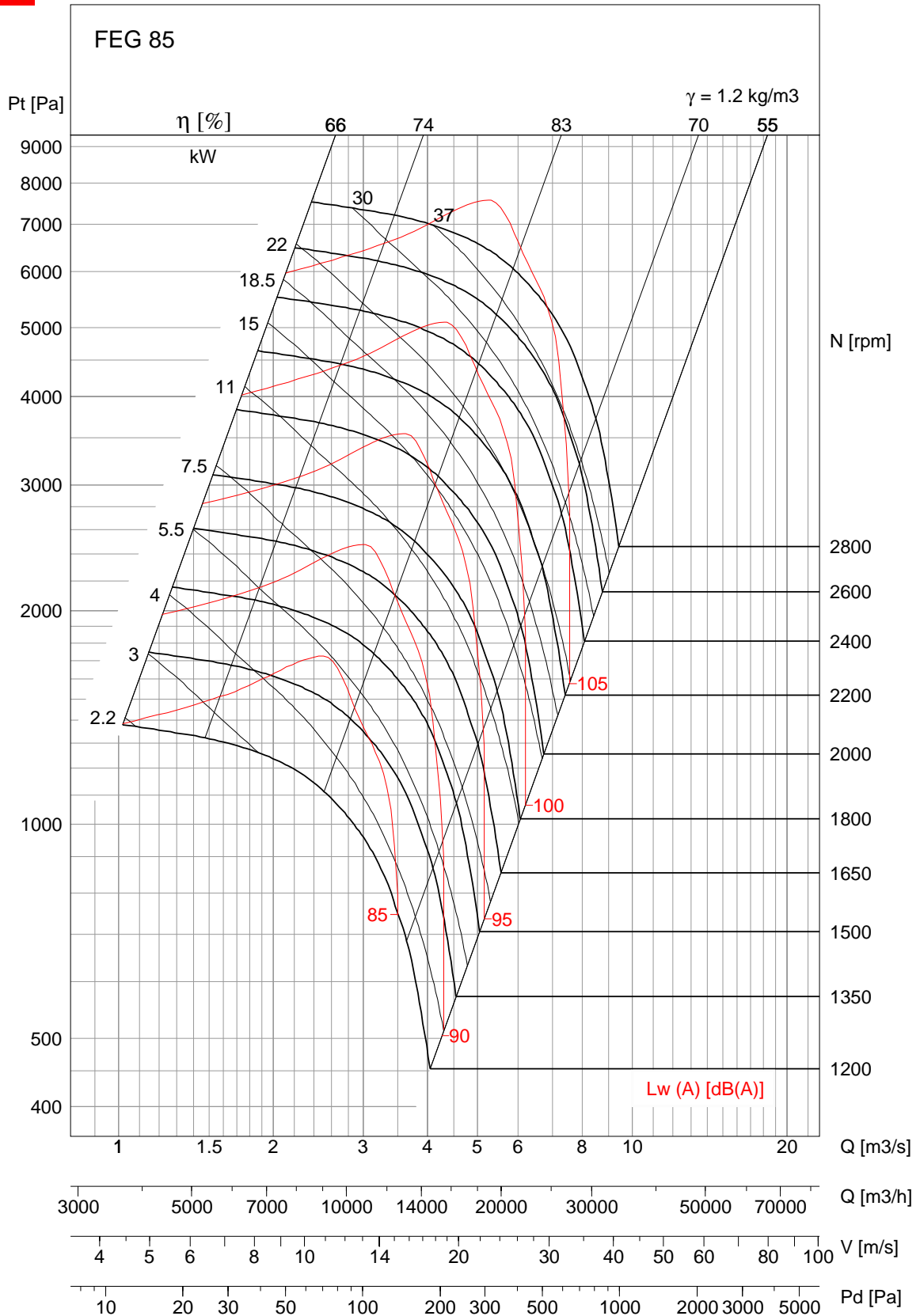
VQN 631



- Performance shown is for Installation type B - free inlet, ducted outlet. Power rating kW does not include transmission losses.
- The A-weighted sound ratings shown have been calculated per AMCA standard 301. Values shown are for inlet Lw(A) sound power levels for installation type B - free inlet, ducted outlet. Ratings do not include the effect of duct end corrections.
- Model VQN 631 is not licensed to bear the AMCA Certified Ratings Seal.
- Maximum operating speed: $\leq 100^\circ\text{C} = 3150 \text{ rpm}$; $101 \sim 200^\circ\text{C} = 2800 \text{ rpm}$; $201 \sim 300^\circ\text{C} = 2500 \text{ rpm}$.



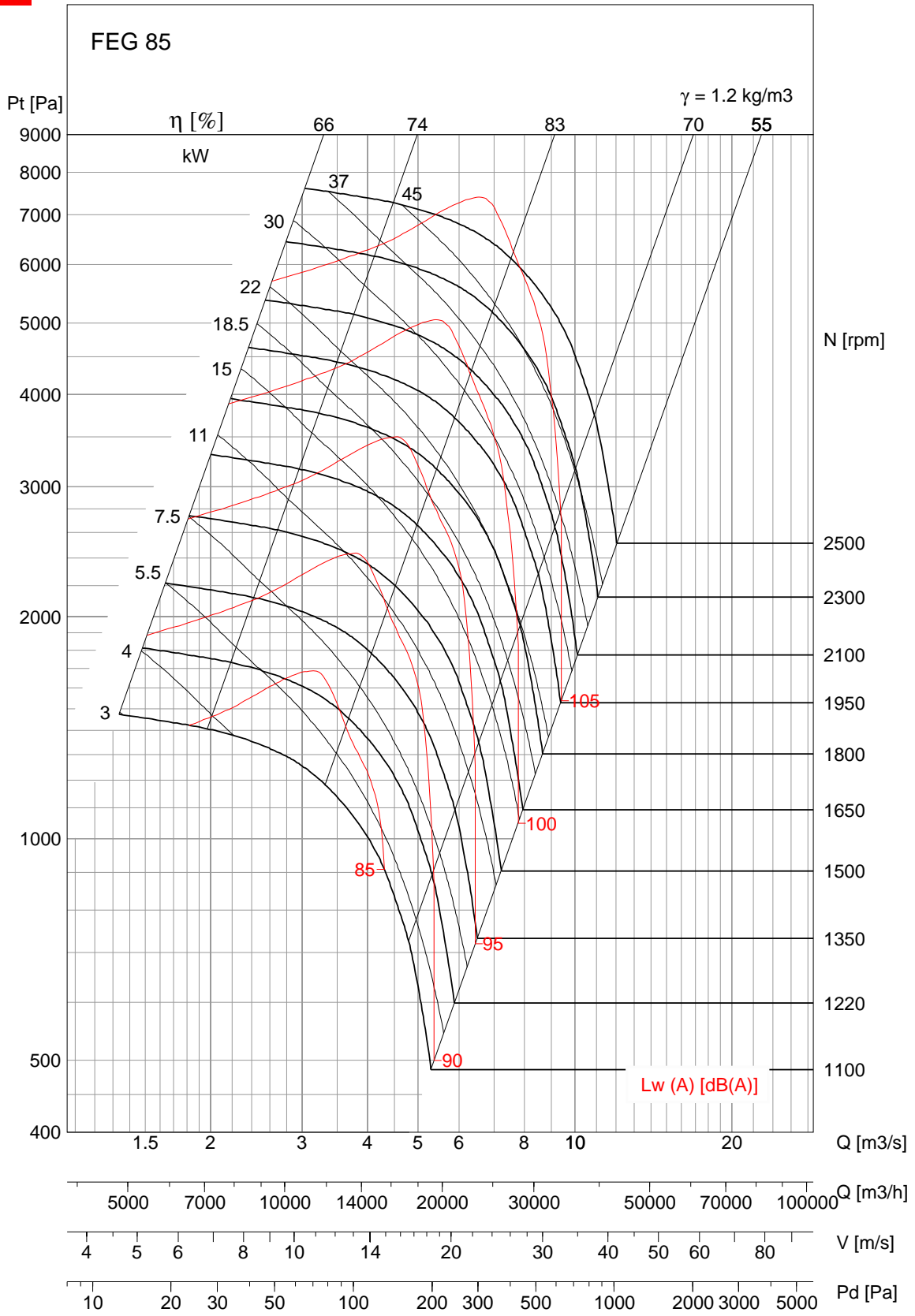
VQN 711



- Performance certified is for Installation type B - free inlet, ducted outlet. Power rating kW does not include transmission losses.
- The A-weighted sound ratings shown have been calculated per AMCA standard 301. Values shown are for inlet Lw(A) sound power levels for installation type B - free inlet, ducted outlet. Ratings do not include the effect of duct end corrections.
- The AMCA Certified Ratings Seal applies to air performance ratings only.
- Maximum operating speed: $\leq 100^\circ\text{C} = 2800 \text{ rpm}$; $101 \sim 200^\circ\text{C} = 2500 \text{ rpm}$; $201 \sim 300^\circ\text{C} = 2240 \text{ rpm}$.



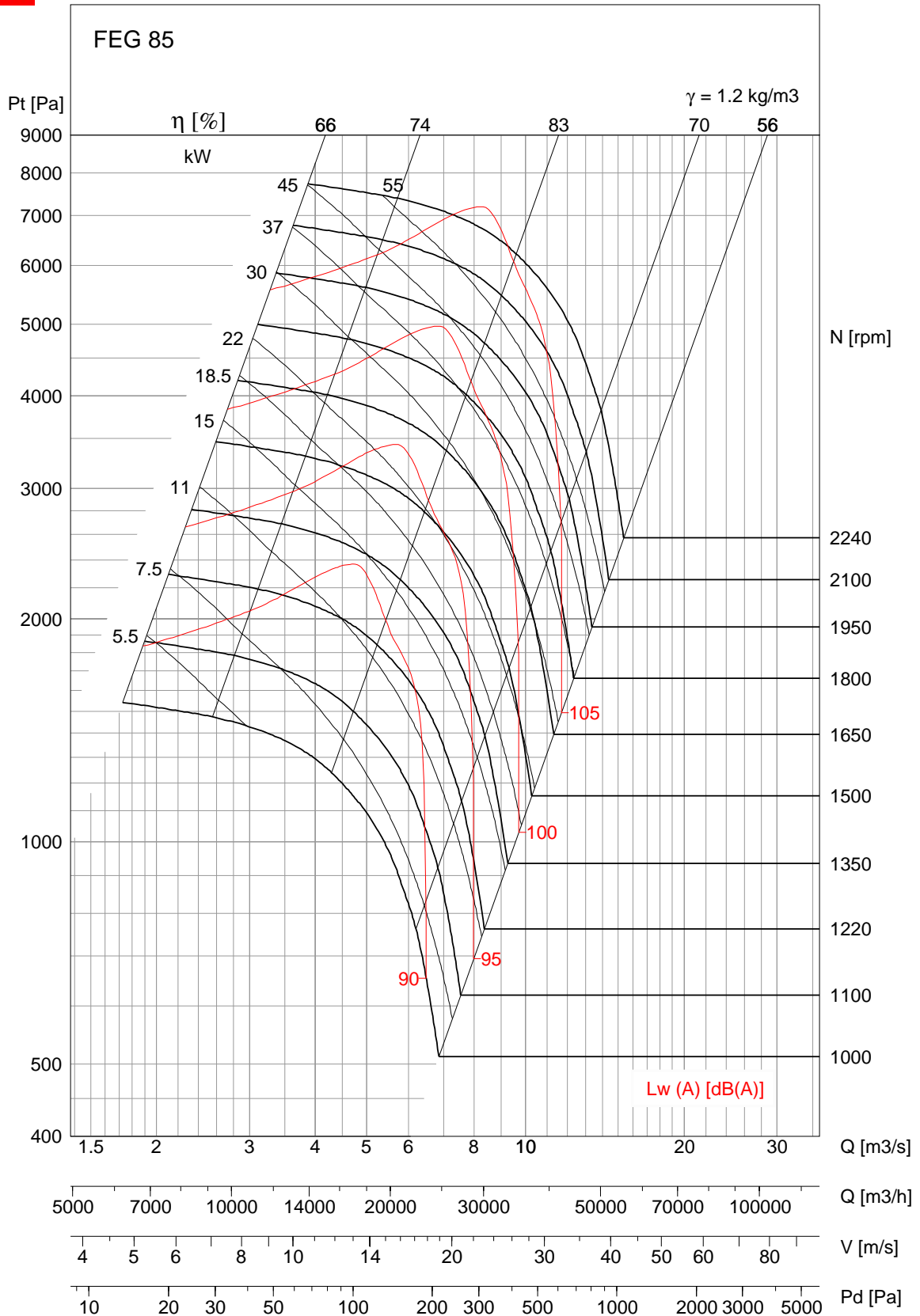
VQN 801



- Performance certified is for Installation type B – free inlet, ducted outlet. Power rating kW does not include transmission losses.
- The A-weighted sound ratings shown have been calculated per AMCA standard 301. Values shown are for inlet Lw(A) sound power levels for installation type B – free inlet, ducted outlet. Ratings do not include the effect of duct end corrections.
- The AMCA Certified Ratings Seal applies to air performance ratings only.
- Maximum operating speed: $\leq 100^\circ\text{C} = 2500 \text{ rpm}$; $101 \sim 200^\circ\text{C} = 2240 \text{ rpm}$; $201 \sim 300^\circ\text{C} = 2000 \text{ rpm}$.



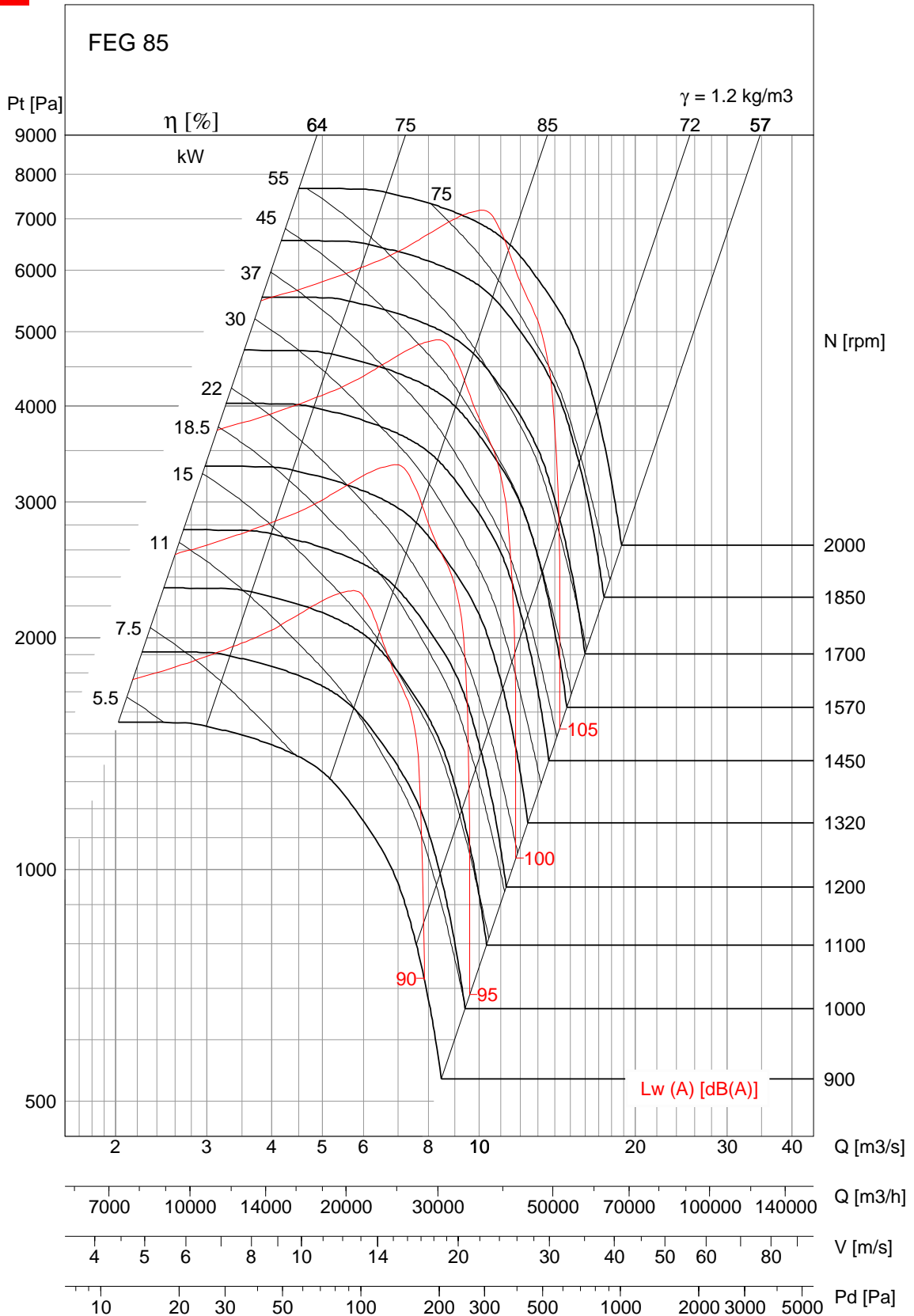
VQN 901



- Performance certified is for Installation type B – free inlet, ducted outlet. Power rating kW does not include transmission losses.
- The A-weighted sound ratings shown have been calculated per AMCA standard 301. Values shown are for inlet $L_w(A)$ sound power levels for installation type B – free inlet, ducted outlet. Ratings do not include the effect of duct end corrections.
- The AMCA Certified Ratings Seal applies to air performance ratings only.
- Maximum operating speed: $\leq 100^\circ\text{C} = 2240 \text{ rpm}$; $101 \sim 200^\circ\text{C} = 2000 \text{ rpm}$; $201 \sim 300^\circ\text{C} = 1800 \text{ rpm}$.



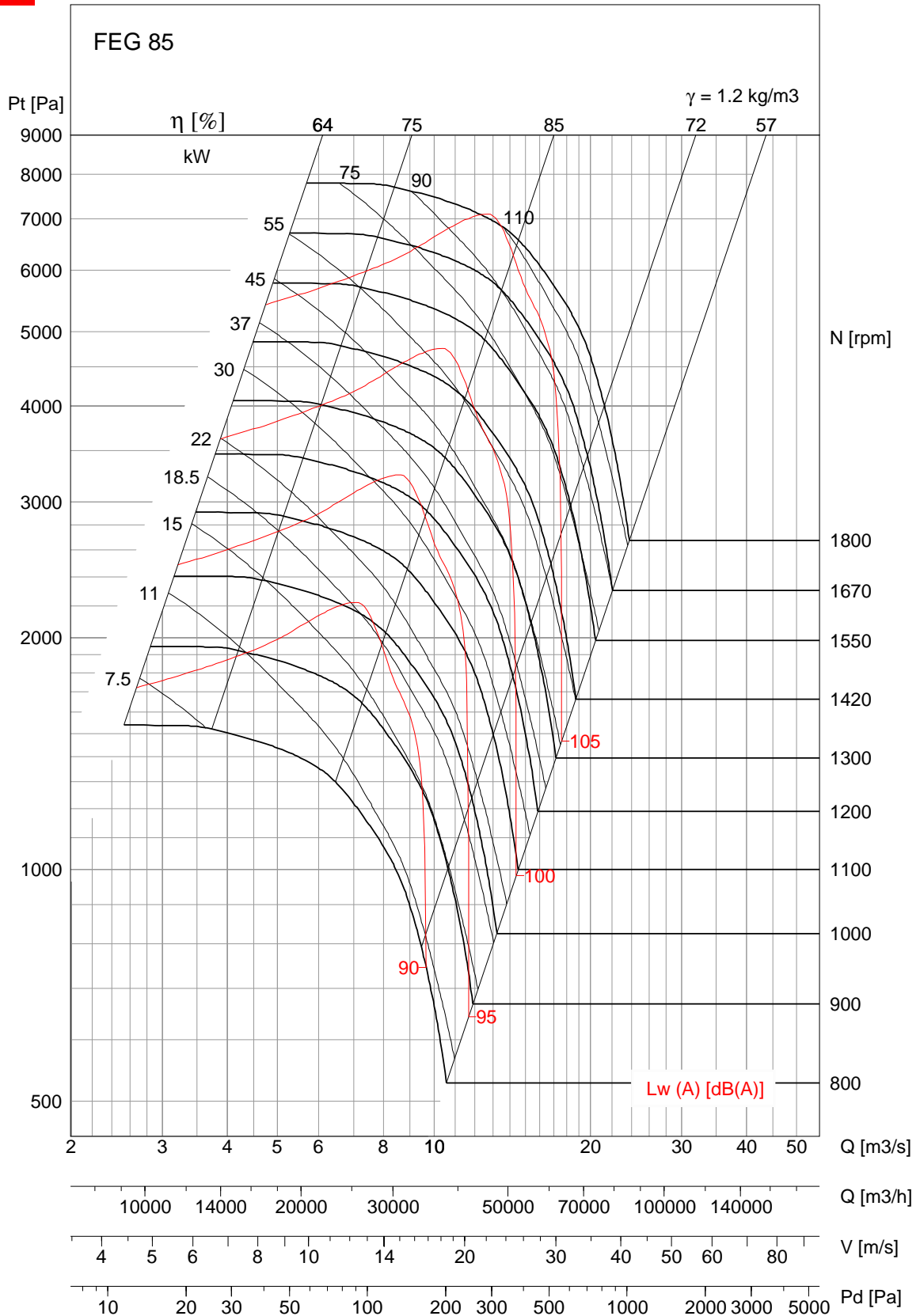
VQN 1001



- Performance certified is for Installation type B - free inlet, ducted outlet. Power rating kW does not include transmission losses.
- The A-weighted sound ratings shown have been calculated per AMCA standard 301. Values shown are for inlet Lw(A) sound power levels for installation type B - free inlet, ducted outlet. Ratings do not include the effect of duct end corrections.
- The AMCA Certified Ratings Seal applies to air performance ratings only.
- Maximum operating speed: $\leq 100^\circ\text{C} = 2000 \text{ rpm}$; $101 \sim 200^\circ\text{C} = 1800 \text{ rpm}$; $201 \sim 300^\circ\text{C} = 1600 \text{ rpm}$.



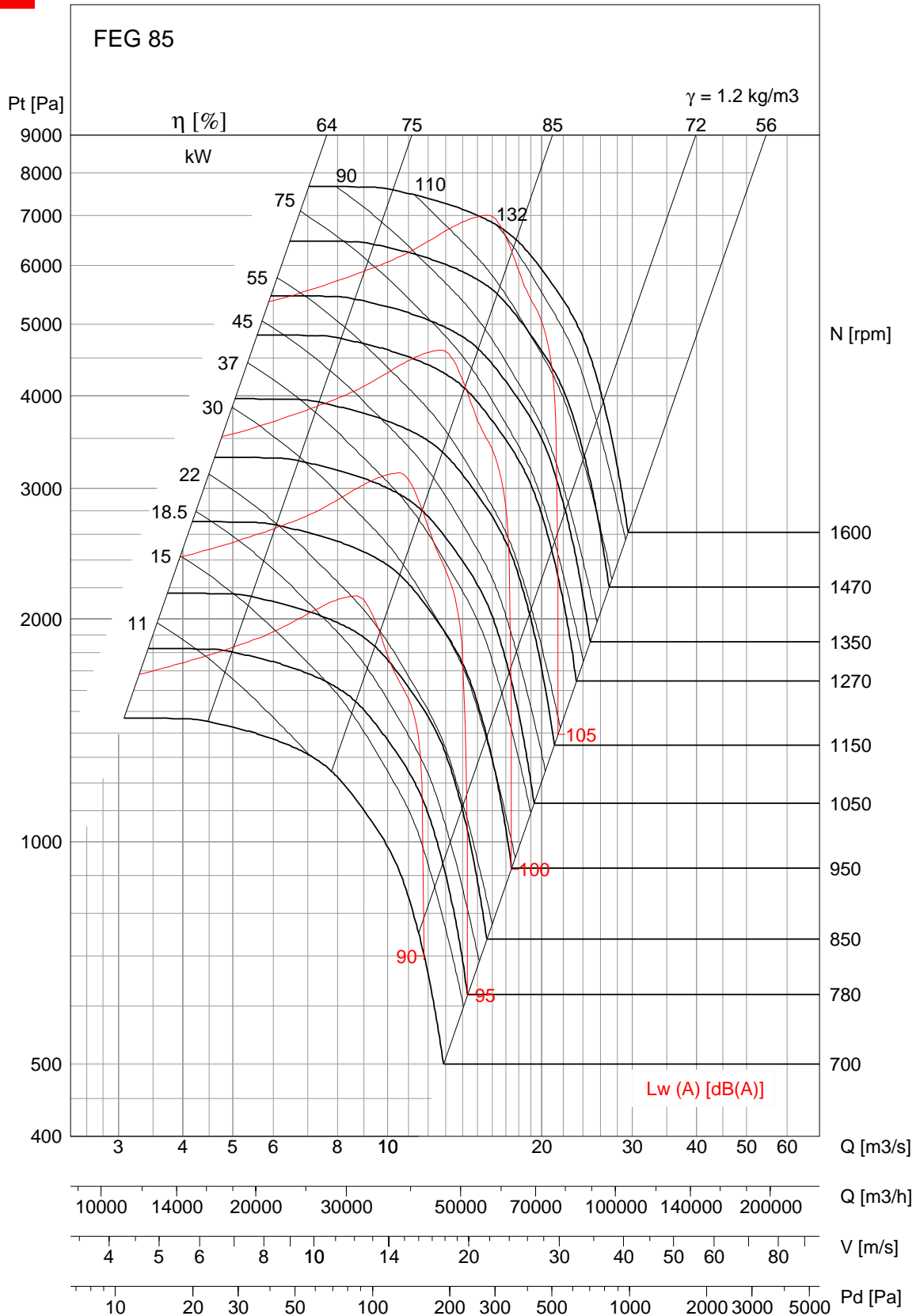
VQN 1121



- Performance certified is for Installation type B – free inlet, ducted outlet. Power rating kW does not include transmission losses.
- The A-weighted sound ratings shown have been calculated per AMCA standard 301. Values shown are for inlet Lw(A) sound power levels for installation type B – free inlet, ducted outlet. Ratings do not include the effect of duct end corrections.
- The AMCA Certified Ratings Seal applies to air performance ratings only.
- Maximum operating speed: $\leq 100^\circ\text{C} = 1800 \text{ rpm}$; $101 \sim 200^\circ\text{C} = 1600 \text{ rpm}$; $201 \sim 300^\circ\text{C} = 1400 \text{ rpm}$.



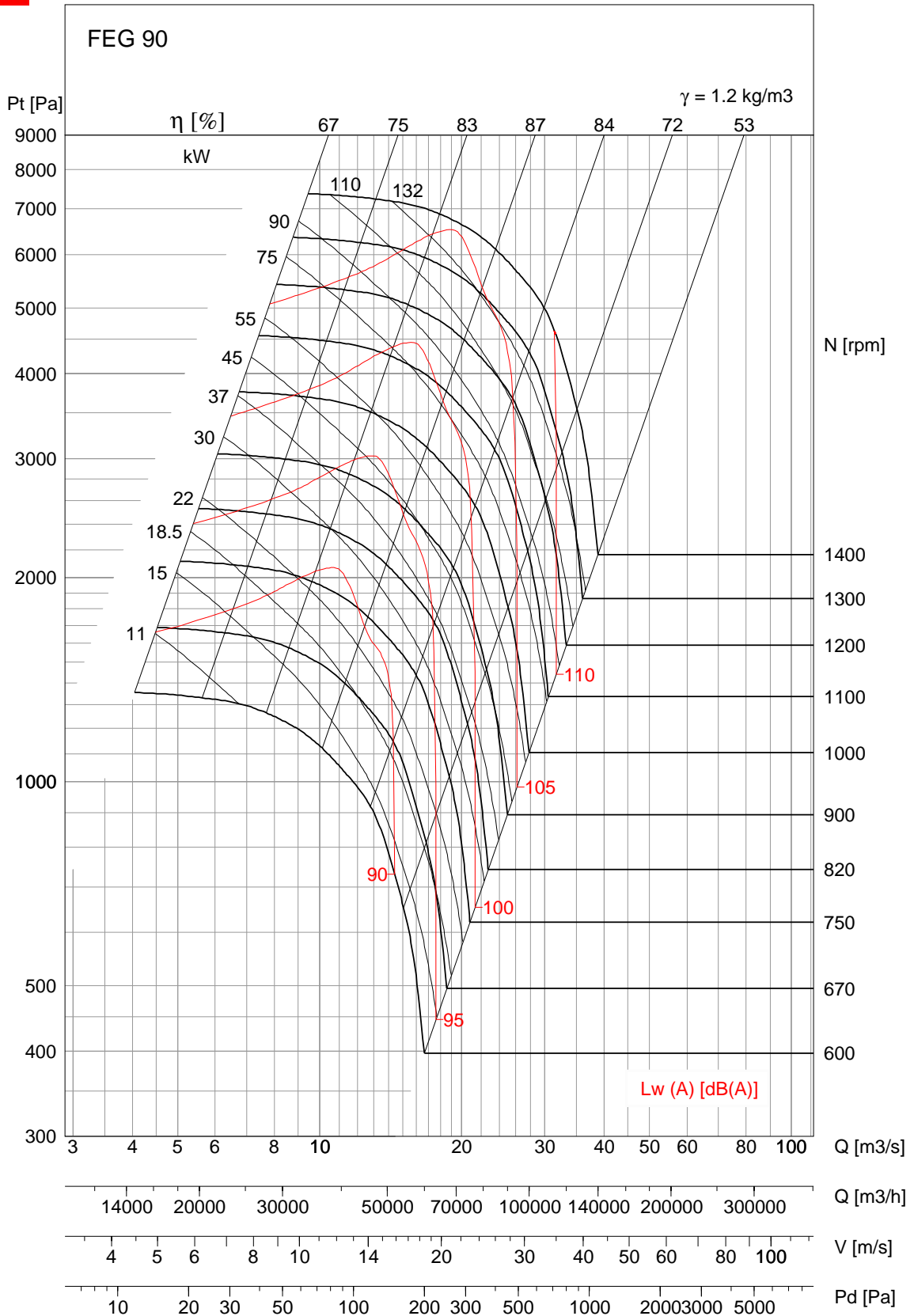
VQN 1251



- Performance certified is for Installation type B - free inlet, ducted outlet. Power rating kW does not include transmission losses.
- The A-weighted sound ratings shown have been calculated per AMCA standard 301. Values shown are for inlet Lw(A) sound power levels for installation type B - free inlet, ducted outlet. Ratings do not include the effect of duct end corrections.
- The AMCA Certified Ratings Seal applies to air performance ratings only.
- Maximum operating speed: $\leq 100^\circ\text{C} = 1600 \text{ rpm}$; $101 \sim 200^\circ\text{C} = 1400 \text{ rpm}$; $201 \sim 300^\circ\text{C} = 1250 \text{ rpm}$.



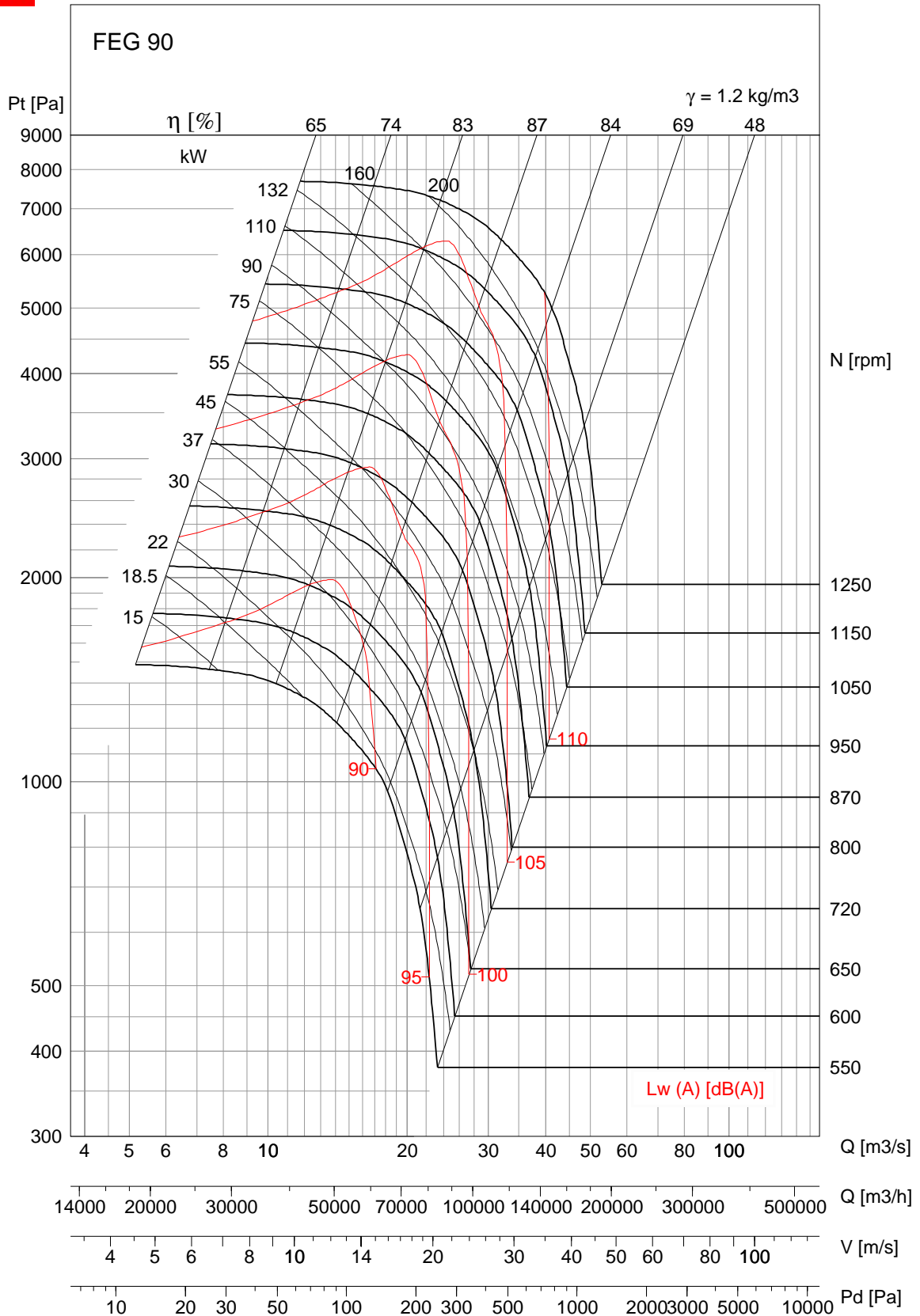
VQN 1401



- Performance certified is for Installation type B – free inlet, ducted outlet. Power rating kW does not include transmission losses.
- The A-weighted sound ratings shown have been calculated per AMCA standard 301. Values shown are for inlet Lw(A) sound power levels for installation type B – free inlet, ducted outlet. Ratings do not include the effect of duct end corrections.
- The AMCA Certified Ratings Seal applies to air performance ratings only.
- Maximum operating speed: $\leq 100^\circ\text{C} = 1400 \text{ rpm}$; $101 \sim 200^\circ\text{C} = 1250 \text{ rpm}$; $201 \sim 300^\circ\text{C} = 1120 \text{ rpm}$.



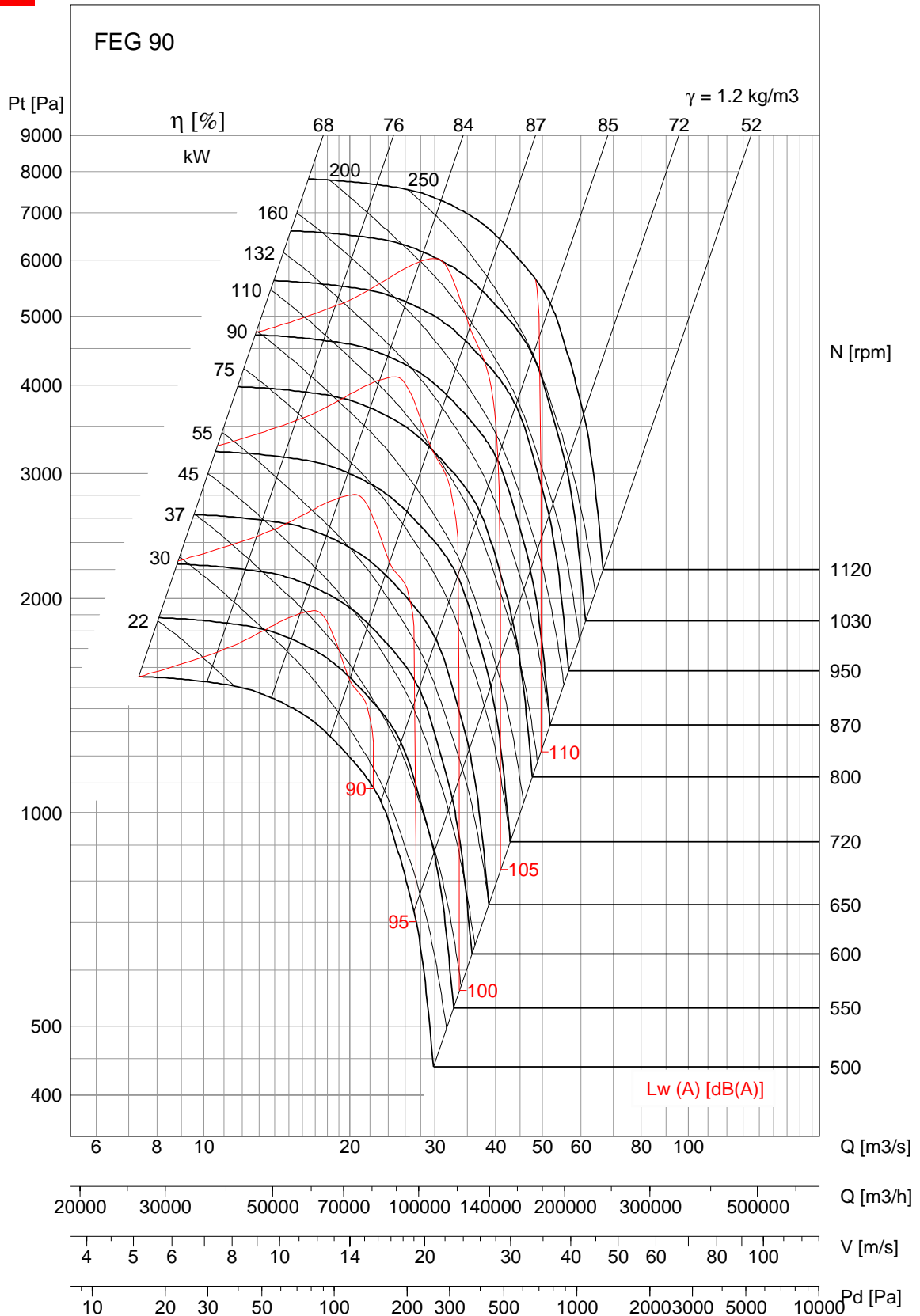
VQN 1601



- Performance certified is for Installation type B - free inlet, ducted outlet. Power rating kW does not include transmission losses.
- The A-weighted sound ratings shown have been calculated per AMCA standard 301. Values shown are for inlet Lw(A) sound power levels for installation type B - free inlet, ducted outlet. Ratings do not include the effect of duct end corrections.
- The AMCA Certified Ratings Seal applies to air performance ratings only.
- Maximum operating speed: $\leq 100^\circ\text{C} = 1250 \text{ rpm}$; $101 \sim 200^\circ\text{C} = 1120 \text{ rpm}$; $201 \sim 300^\circ\text{C} = 1000 \text{ rpm}$.



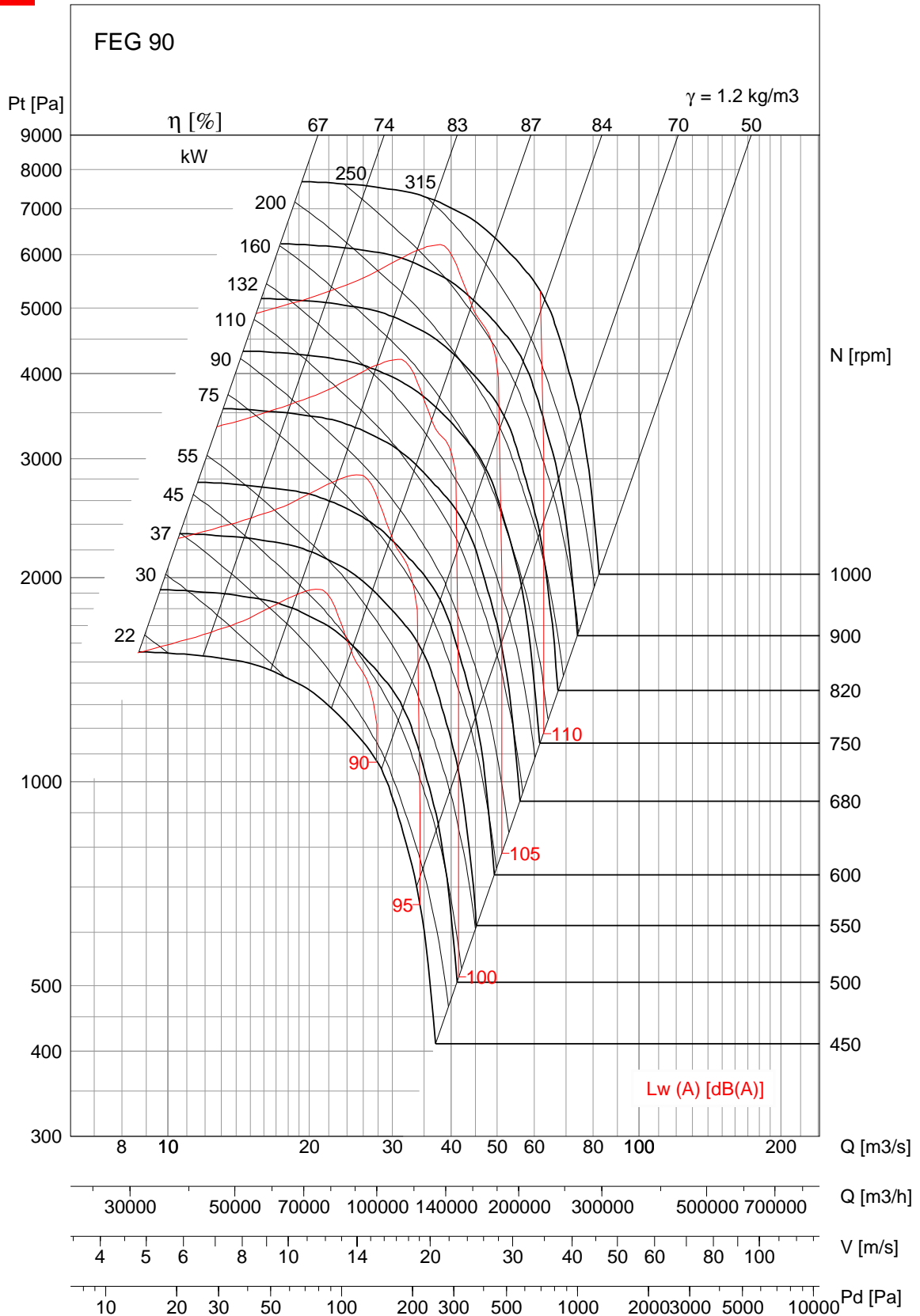
VQN 1801



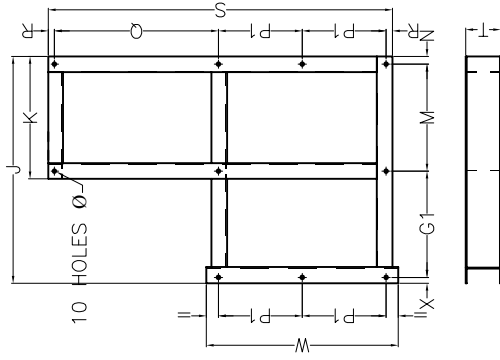
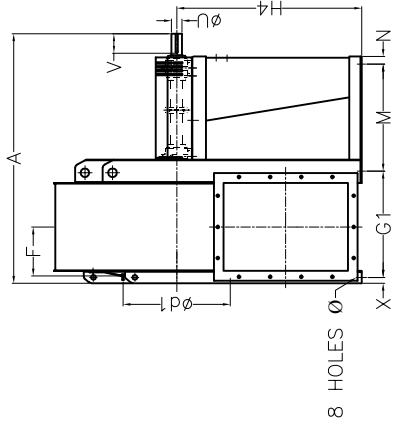
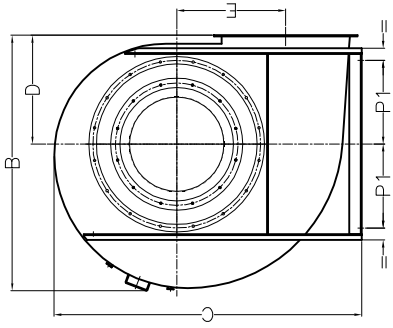
- Performance certified is for Installation type B – free inlet, ducted outlet. Power rating kW does not include transmission losses.
- The A-weighted sound ratings shown have been calculated per AMCA standard 301. Values shown are for inlet Lw(A) sound power levels for installation type B – free inlet, ducted outlet. Ratings do not include the effect of duct end corrections.
- The AMCA Certified Ratings Seal applies to air performance ratings only.
- Maximum operating speed: $\leq 100^\circ\text{C} = 1120 \text{ rpm}$; $101 \sim 200^\circ\text{C} = 1000 \text{ rpm}$; $201 \sim 300^\circ\text{C} = 900 \text{ rpm}$.



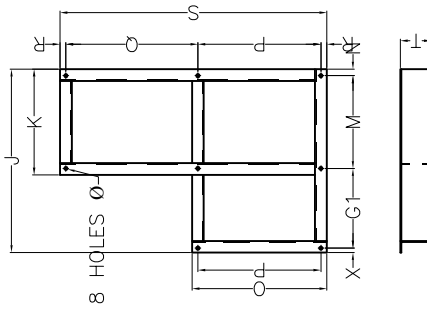
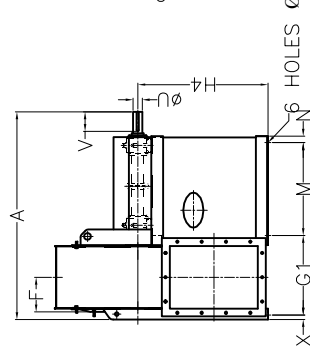
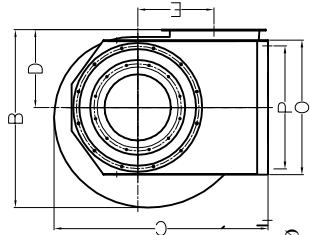
VQN 2001



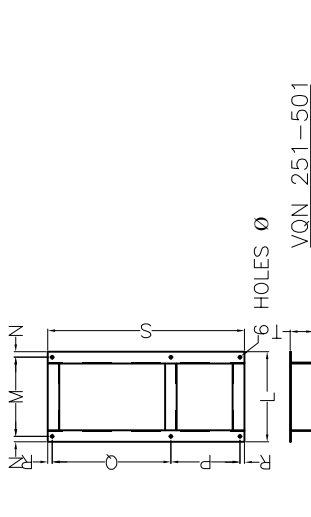
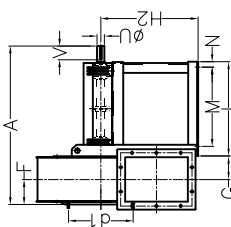
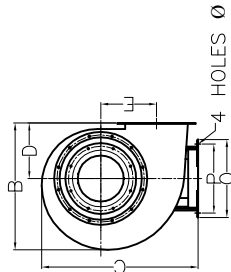
- Performance certified is for Installation type B – free inlet, ducted outlet. Power rating kW does not include transmission losses.
- The A-weighted sound ratings shown have been calculated per AMCA standard 301. Values shown are for inlet Lw(A) sound power levels for installation type B – free inlet, ducted outlet. Ratings do not include the effect of duct end corrections.
- The AMCA Certified Ratings Seal applies to air performance ratings only.
- Maximum operating speed: $\leq 100^\circ\text{C} = 1000 \text{ rpm}$; $101 \sim 200^\circ\text{C} = 900 \text{ rpm}$; $201 \sim 300^\circ\text{C} = 800 \text{ rpm}$.



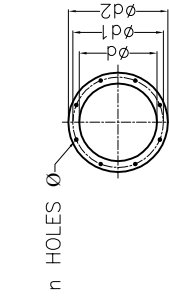
VQN 711-2001



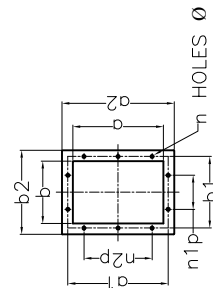
VQN 561-631



VQN 251-501



INLET FLANGE



OUTLET FLANGE



Model	Fan													Base																	
	A	B	C	D	E	F	G	G1	H	H1	H2	H3	H4	H5	H6	I	J	K	L	M	N	O	P	P1	Q	R	S	T	W	X	Ø
VQN 251 A1	495	440	525	195	176	85	76	-	315	315	315	315	195	315	315	282	-	-	244	210	17	255	228	--	445	13.5	700	80	--	--	10
VQN 281 A1	590	470	610	200	202	95	86	-	375	375	375	375	200	375	375	347	-	-	330	284	23	324	288	--	476	18	800	100	--	--	12
VQN 311 A1	605	525	660	225	230	104	96	-	400	400	400	400	225	400	400	347	-	-	330	284	23	324	288	--	476	18	800	100	--	--	12
VQN 351 A1	785	595	745	255	253	118	107	-	450	450	450	450	255	450	450	485	-	-	463	407	28	400	355	--	610	22.5	1010	120	--	--	14
VQN 401 A1	835	660	830	285	286	130	120	-	500	500	500	500	285	500	500	485	-	-	463	407	28	400	355	--	610	22.5	1010	120	--	--	14
VQN 451 A1	860	745	930	320	321	143	133	-	560	560	560	560	320	560	560	485	-	-	463	407	28	400	355	--	610	22.5	1010	120	--	--	14
VQN 501 A1	1000	830	1010	360	354	164	149	-	600	600	600	600	360	600	600	560	-	-	543	477	33	424	364	--	636	30	1060	140	--	--	17
VQN 561 A1	1070	950	1125	400	391	181	--	410	670	670	670	670	400	670	670	--	943	543	--	477	33	692	632	--	678	30	1370	160	--	23	17
VQN 631 A1	1110	1065	1265	450	441	200	--	450	750	750	750	750	450	750	750	--	983	543	--	477	33	762	702	--	708	30	1470	160	--	23	17
VQN 711 A1	1265	1190	1415	500	500	227	--	497	670	670	670	670	500	850	850	--	1117	629	--	551	39	--	--	386	808	35	1650	180	896	30	19
VQN 801 A1	1295	1330	1580	560	560	252	--	546	750	750	750	750	560	950	950	--	1166	629	--	551	39	--	--	431	848	35	1780	180	986	30	19
VQN 901 A1	1350	1490	1765	630	630	279	--	600	850	850	850	850	630	1060	1060	--	1220	629	--	551	39	--	--	481	988	35	2020	180	1086	30	19
VQN 1001 A1	1495	1675	1975	710	710	315	--	657	950	950	950	950	710	1180	1180	--	1339	697	--	607	45	--	--	528	1034	35	2160	200	1188	30	19
VQN 1121 A1	1775	1885	2215	800	800	350	--	758	1060	1060	1060	1060	800	1320	1320	--	1598	850	--	760	45	--	--	589	1062	45	2330	220	1348	35	24
VQN 1251 A1	1845	2115	2505	900	900	388	--	835	1180	1180	1180	1180	900	1500	1500	--	1675	850	--	760	45	--	--	655	1230	45	2630	220	1480	35	24
VQN 1401 A1	2005	2345	2815	1000	1000	431	--	941	1320	1320	1120	1120	1000	1700	1500	--	1811	890	--	780	55	--	--	725	1240	55	2800	220	1640	35	24
VQN 1601 A1	2290	2650	3145	1120	1120	455	--	1073	1500	1500	1250	1250	1120	1900	1600	--	2100	1047	--	917	65	--	--	820	1195	55	2945	220	1850	45	28
VQN 1801 A1	2470	3000	3510	1250	1250	509	--	1192	1650	1550	1400	1320	1250	2120	1800	--	2229	1047	--	917	65	--	--	915	1295	60	3245	250	1950	55	28
VQN 2001 A1	2590	3345	3915	1400	1400	570	--	1315	1850	1700	1600	1450	1400	2360	2000	--	2352	1047	--	917	65	--	--	1015	1350	60	3500	250	2150	55	28

Model	Shaft			Inlet Flange					Outlet Flange							Weight				
	U	V	Ø	d	d1	d2	n	Ø	a	b	a1	b1	a2	b2	n1p	n2p	n	Ø	Kg	Ø
VQN 251 A1	19	40	204	241	274	8	8	8	205	146	241	182	275	216	1-112	1-112	8	12	24	
VQN 281 A1	24	50	228	265	298	8	8	8	229	164	265	200	299	234	1-112	1-112	8	12	34	
VQN 311 A1	24	50	254	292	324	8	8	10	256	183	292	219	326	253	1-112	2-112	10	12	41	
VQN 351 A1	28	60	285	332	365	8	8	10	288	205	332	249	368	285	1-125	2-125	10	12	69	
VQN 401 A1	38	80	320	366	400	8	8	10	322	229	366	273	402	309	1-125	2-125	10	12	83	
VQN 451 A1	38	80	360	405	440	8	8	10	361	256	405	300	441	336	1-125	2-125	10	12	98	
VQN 501 A1	42	110	405	448	485	12	10	404	288	448	332	484	368	2-125	3-125	14	12	140		
VQN 561 A1	48	110	455	497	535	12	10	453	322	497	366	533	402	2-125	3-125	14	12	170		
VQN 631 A1	48	110	505	551	585	12	10	507	361	551	405	587	441	2-125	3-125	14	12	210		
VQN 711 A1	48	110	565	629	666	12	10	569	404	629	464	669	504	2-160	3-160	14	14	282		
VQN 801 A1	55	110	636	698	736	12	10	638	453	698	513	738	553	2-160	3-160	14	14	336		
VQN 901 A1	55	110	716	775	816	16	12	715	507	775	567	815	607	2-160	4-160	16	14	405		
VQN 1001 A1	65	140	806	861	906	16	12	801	569	871	639	921	689	2-200	3-200	14	14	521		
VQN 1121 A1	75	140	906	958	1006	16	12	898	638	968	708	1018	758	3-200	4-200	18	14	848		
VQN 1251 A1	75	140	1007	1067	1107	24	12	1007	715	1077	785	1127	835	3-200	4-200	18	14	1072		
VQN 1401 A1	80	170	1128	1200	1248	24	12	1130	801	1210	881	1270	941	3-200	5-200	20	18	1498		
VQN 1601 A1	90	170	1260	1337	1380	24	12	1267	898	1347	978	1407	1038	4-200	6-200	24	18	1940		
VQN 1801 A1	100	210	1420	1491	1540	32	12	1421	1007	1501	1087	1561	1147	4-200	6-200	24	18	2792		
VQN 2001 A1	100	210	1610	1663	1730	32	14	1593	1130	1683	1220	1753	1290	5-200	7-200	28	22	3426		

Industrial Fan Enquiry Form

A. Project Information

1. Project Name : _____
2. Project Status : Design Construction Tender
3. Person In Charge Name: _____ Tel : _____ E-mail : _____

B. Fan Details

1. Ref / Tag No. _____ Qty Req. _____
2. Application : _____
3. Air Handled Clean
 Dusty : Type _____ Size _____ Dust Concentration _____
 Any filter before fan inlet: Yes No
 !! Corrosive: Type of corrosive material _____
 Concentration of corrosive material _____
4. Fan type Backward Forward Radial
5. Arrangement Arr. 1 Arr. 4 Arr. 8 Arr. 9
 Arr. 10 Arr. 12 Others _____
6. Installation condition Outdoor Indoor Others _____
7. Rotation & Discharge CW CCW
 90° 180° 270° 360° Others _____
8. Material : Housing _____ Impeller _____ Shaft _____
 Others _____
9. Surface Treatment Powder Coating Hot-dipped G.I Both
10. Spark Resistant AMCA A B C
11. Balancing Grade G 1.0 G 2.5 G 6.3 Others _____
12. Flow Rate Q : _____ l/s m³/h m³/min m³/s cfm
13. Pressure (static or total) Pa mmH₂O inWG mBar
 Discharge SP TP _____@_____°C
 Suction SP TP _____@_____°C
14. Efficiency (η) : Min _____ %
15. Max Velocity : Outlet _____ m/s Inlet _____ m/s
16. Max temperature : _____ °C ___ hours/day ___ days/year !
 Continuously
 Min temperature : _____ °C ___ hours/day ___ days/year !
 Continuously
17. Air density, if the air contains other material : _____ kg/m³
18. Fan Speed (if specified) Max. : _____ rpm Min. : _____ rpm
19. Noise level dB dBA free field room condition corner / wall
 Lw : _____ Lp : _____ at Distance : _____ m
20. Ambient temperature _____ °C Altitude : _____ m

21. Hazards Area Specification:

ATEX: Zone _____ Group _____ T-Class _____

Others: _____

C. Motor Details

1. Type TEFC TENV
2. Installed Power : _____ kW HP
3. Service Factor : _____
4. Power Factor : \geq _____ Efficiency : \geq _____ %
5. Power Supply : _____ (V/Ph/Hz)
6. No. of Poles : 2P 4P 6P 8P Others : _____ RPM
7. Frame size : _____ IEC NEMA Others : _____
8. Protection IP55 IP65 Others : _____
9. Insulation / Temp Rise Class F/B H/B Others : _____
10. Starting / Control Method Y- Δ DOL VFD
11. Surface Treatment Painting Others : _____
12. Explosion Proof : Ex _____
13. Make: Brand : _____ Manufacturer : _____ Country : _____
14. Accessories Thermistor Space Heater External Lubrication
Others _____

D. Accessories

1. Optional
Inspection door Drain plug Flexible duct
Inlet vane control Cooling Fan Protection Net
Damper (Inlet / Outlet) Filter
Belt Guard Shaft Seal
2. Counter Flanges !
Inlet L-type U-type
Outlet L-type U-type
3. Silencer Inlet Outlet
4. Vibration Isolator Rubber Spring Floor-mount Ceiling-hang
5. Others

E. Other Requirements

1. Max Dimension : _____ (L) x _____ (W) x _____ (H) mm

2. Others

KRUGER GROUP (VENTILATION)

· THAILAND (Regional HQ)

KRUGER VENTILATION INDUSTRIES ASIA CO. LTD.
30/159 Moo 1, Sinsakorn Industrial Estate,
Chetsadawithi Road, Khok Kham Mueng, Samuthsakorn 74000, Thailand
Tel. +662 1054289 - Fax +662 1050373
Website: www.krugerfan.com

• CHINA (BEIJING)

BEIJING KRUGER VENTILATION CO. LTD
Level 7, A Block, Rising International Building, 29 JingHai San Road, BDA,
Beijing, P.R.China 100176
Tel. +86 10-67881366 - Fax +86 10-67880566
Email: krugertj@krugertj.com

• CHINA (SHANGHAI)

SHANGHAI KRUGER VENTILATION CO. LTD
No. 500 Yuanguo Road, Anting, Jiading,
Shanghai 201814 P.R. China
Tel. +86 21-69573266 - Fax +86 21-69573296
Email: shkruger@krugerchina.com

· CHINA (WUHAN)

WUHAN KRUGER VENTILATION CO. LTD
No. 805, Huian Ave, Dongxiu District, Wuhan, Hubei, P.R. China 430000
Tel. +86 27- 83248840/83060522/83097505
Fax +86 27- 83261886
Email: whkruger@krugerwh.com

· HONG KONG

KRUGER VENTILATION (HONG KONG) LIMITED
Flat C, 9/F, Yeung Yiu Chung (No.8) Industrial Building,
20 Wang Hoi Road, Kowloon Bay, Kowloon, Hong Kong
Tel. +852 22469182 - Fax +852 22469187
Email: info@kruger.com.hk

· INDIA (NORTH)

KRUGER VENTILATION INDUSTRIES (NORTH INDIA) PVT LTD
Plot No. - 191, Sector - 59, Ballabgarh, Faridabad - 121 004, Haryana, India
Tel. +91-9958991660/9717449696
Fax. +91-1294135820
Email: sales.kni@krugerindia.com

· KOREA

NEOMATE CO. LTD
2-1010, Ace High Tech City B/D, 775 Gyeongin-ro,
Yeongdeungpo-gu, Seoul, Korea. Postal Code 07299
Tel. +82-2-2679-2052 - Fax. +82-2-2679-2174
Email: y7890@neomate.co.kr

· MYANMAR

KRUGER VENTILATION (MYANMAR) CO.LTD
Room No. F21, Thiri Yadanar Whole Sale Market, (Htawunbe)
Toe Chae Ward, North Okkalapa Township, Yangon.
Tel. +959 763141081/2/3
Email: htoon@krugermm.com

· SINGAPORE

KRUGER ENGINEERING PTE LTD
No. 10 Buroh Street #06-06, West Connect Building,
Singapore 627564
Tel. +65 68631191 - Fax +65 68631151
Email: mktg@krugerasia.com

· THAILAND

KRUGER VENTILATION IND. (THAILAND) CO. LTD
30/105 Moo 1, Sinsakorn Industrial Estate,
Chetsadawithi Road, Khok Kham Mueng, Samuthsakorn 74000, Thailand
Tel. +662 1050399 - Fax + 662 1050370-2
Email: mktg@kruger.co.th

· AUSTRALIA

S&P-KRUGER AUSTRALIA PTY LTD
2 Cunningham St, Moorebank N.S.W. 2170
Tel. +61 2-98227747
Fax. +61 2-98227757
Email: info@sandpkruger.com.au

· CHINA (GUANGZHOU)

GUANGZHOU KRUGER VENTILATION CO. LTD
No. 9 Huahui Road, Huashan, Huadu,
Guangzhou, P.R. China 510880
Tel. +86 20-66356635 - Fax +86 20-86786001/86786500
Email: gzkruger@krugergz.com

· CHINA (TIANJIN)

TIANJIN KRUGER VENTILATION CO. LTD
No.168 Anyuan Road, Jingjin Science and Technology Park
Wuqing District, Tianjin, China
Tel. +86 22-22143480/3481 - Fax +86 22-22143482
Email: krugertj@krugertj.com

· DUBAI

KRUGER VENTILATION INDUSTRIES, GULF BRANCH
Jebel Ali Free Zone Area (JAFZA) P.O. Box No. 262949, Dubai, UAE
Tel. +971 4 8819188/8832017
Fax. +971 4 8832018
Email: johncs@krugerasia.com

· INDIA

KRUGER VENTILATION INDUSTRIES (INDIA) PVT LTD
Kruger Centre, Mumbai-Nasik Highway,
Kalamgaon, Shahapur, Thane 421601, Maharashtra, India
Tel. +91 9960558899/9975577211 - Fax +91 2527 240075
Email: sales@krugerindia.com

· INDONESIA

P.T. KRUGER VENTILATION INDONESIA
JL. Teuku Umar No.20,
Karawaci - Tangerang 15115, Indonesia
Tel. +62 21-5512288/5513557 - Fax +62 21-5513502
Email: mktg@krugerindo.co.id

· MALAYSIA

KRUVENT INDUSTRIES (M) SDN BHD
Lot 850, Jalan Subang 7, Taman Perindustrian Subang,
47500, Subang Jaya, Selangor D.E.
Tel. +603 80743399 - Fax +603 80743388
Email: mktg@kruger.com.my

· PHILIPPINES

KRUGER M&E INDUSTRIES CORPORATION
FAPI Compound, E. Rodriguez Ave.
Tunasan, Muntinlupa City 1773, Philippines
Tel. +63 2-8622892/4/6/7, 5534059 - Fax +63 2-8622891
Email: mktg@krugerph.net

· TAIPEI

KRUGER VENTILATION (TAIWAN) CO. LTD
No. 157, Ping-an Rd, Hengfeng Village,
Dayuan Shiang Taoyuan County 337, Taiwan
Tel. +886 3-3859119 - Fax +886 3-3859118
Email: sales@krugertwn.com.tw

· VIETNAM

KRUGER VENTILATION INDUSTRIES (VIETNAM) CO. LTD
Lot A7. 2-4, C2 Road, Thanh Thanh Cong IZ,
Trang Bang Dist. Tay Ninh Province, Vietnam
Tel. +84-276 3585200/01/02 - Fax +84-276 3585199
Email: mktg@krugervn.com

The company is always improving and developing its products, therefore the company reserves the right of making changes to the illustrated products.
Certified dimension can be provided upon request.

Kruger Ventilation Industries Asia Co., Ltd

30/159 Moo 1, Sinsakorn Industrial Estate,
Chetsadawithi Road, Khok Kham Mueng,
Samuthsakorn 74000, Thailand
Tel. +662 1054298 - Fax +662 1050373
Website: www.krugerfan.com

CNo. – CAT022.E2 January 2018

A member of

Soler&Palau 
Ventilation Group