



昱久通風設備有限公司

EVERBRIGHT VENTILATION EQUIPMENT CO.,LTD.

EVERBRIGHT 單進口離心風機

前彎葉片和後彎葉片



ERZ-S
后倾皮带式



ERZ-S
后倾单吸式

EVERBRIGHT



ERZ-S
后倾皮带式

EDZ-S ERZ-S

SINGLE INLET CENTRIFUGAL FANS WITH FORWARD AND BACKWARD BLADES

單進口離心風機 前彎葉片和后彎葉片

The characteristics of the machines stated in this catalogue, like dimensions, performances and so on, can be modified without previous notice.
本樣本中所述的風機特性，如尺寸、性能參數等，可能進行修改，修改時恕不另行通知。



EDZ-S



ERZ-S

This new series of blowers is composed of 13 sizes (250-1000) in the two solutions

- EDZ-S: Blowers with forward curved blades
- ERZ-S: Blowers with backward curved blades

The two series use the same housing, which makes it possible to choose either the forward curved execution or the backward curved one, without modifying the connections to the blower, the supports, etc.

The whole outside construction (housing, frame, etc.) is in galvanized steel as well as all the forward blades wheels and the shafts.

The backward blades wheels are manufactured in treated and painted steel.

All the wheels are statically and dynamically balanced.

Accessories such as flanges, connections, adjusting shutters as well as special executions can be supplied on request.

These blowers have been designed for treating clean air within the temperature limits:

Serie "L" - "R" - "K"

from -20°C to $+85^{\circ}\text{C}$ ($+100^{\circ}\text{C}$

for the sizes 710 and over).

Serie "T"

from -30°C to $+180^{\circ}\text{C}$

這種新型風機由13種尺寸

(250~1000mm) 組成，分成兩種系列：

- EDZ-S: 前彎葉片風機
- ERZ-S: 后彎葉片風機

兩種系列採用相同的外殼，方便顧客選用前彎葉片或者選用后彎葉片，而無需改變風機接口、支架等。

整個外部結構（外殼、框架等）以及所有前彎葉片的葉輪使用鍍鋅鋼材制作。

后彎葉片葉輪是用經過處理的，并噴了漆的鋼板作成。

所有的葉輪都經過靜平衡和動平衡試驗。

根據需要，還可提供法蘭、連接口、調節閥及特殊件等。

這些風機可用于處理清潔空氣，其溫度極限為：

“L” - “R” - “K” 型

-20°C 到 $+85^{\circ}\text{C}$ ($+100^{\circ}\text{C}$ 適用于尺寸710和大于710的風機)

“T” 型

-30°C 到 $+180^{\circ}\text{C}$

Notice

When making a choice of a blowers consider the limit of the use indicated in the tables at pages 43-44.

Air volume

Output speed of the air

Total pressure

Wheel diameter

Absorbed power at the fan shaft

Efficiency

rpm

Sound level

重要的說明

選用風機時應考慮到第43-44頁上表中所列出的使用範圍。

風量

出口風速

全壓

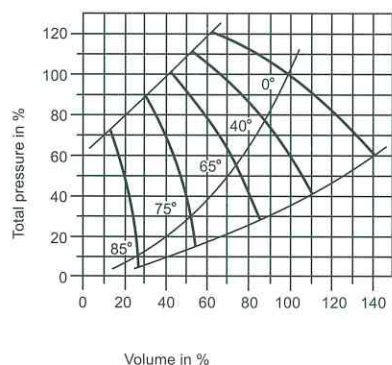
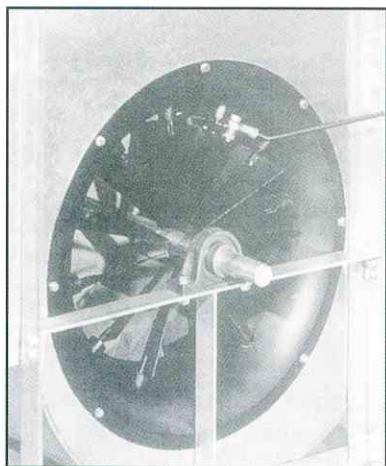
葉輪直徑

風機軸吸收的功率

效率

轉速

噪聲級



INLET VANE CONTROL

The application of inlet vane control has now been applied to the range of medium capacity backward curved centrifugal fans.

Inlet vane control, compared with the traditional methods of volume control allows an energy saving, which varies according to the vane position.

The following illustration shows the volume reduction corresponding to the vane position.

With the inlet vane fully open (pos.0°) the fan capacity will be as catalogue performance, while with maximum closed inlet vane (pos.85°) fan capacity will be reduced by 75%.

Inlet vane control can be fitted on the ERZ-S series from 315 mm and upwards. Please contact our technical department for further information.

To determine the correct position for the lever of the inlet guide vane control, please state on your orders the following:

- 1) The rotation of the fan when viewed from the transmission (see Fig.2).
- 2) For any mounting position, please specify the position of the lever in accordance with the fan position (see Fig.1).

Example:

- Fan rotation LG 270°
- Lever I.V.C.Pos. 45°

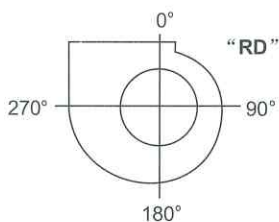
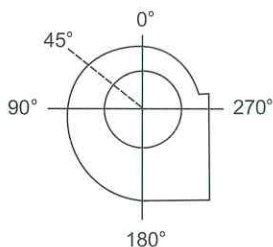


Fig.1

入口葉片控制閥

入口葉片控制閥目前已經用于具有中等風量的后彎葉片風機中。

與傳統的風量控制方法比較，采用入口葉片控制閥可以節約能量，其節約的大小依據葉片的位置而不同。

下圖說明了葉片的位置不同風量減少的情況。

當入口葉片全開（0°位置），風機風量為樣本上性能曲線所示數據；而當入口葉片為最大關閉位置時（85°位置），風機風量降低75%。

入口葉片控制閥可安裝在型號為315及其以上的各種ERZ-S系列的風機上。

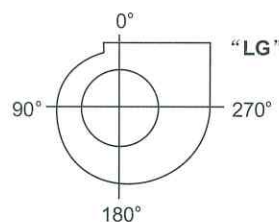
如需進一步了解這方面的情況，請與我們的技術部門聯系。

為確定風機入口控制閥操作杆的正確位置，請在定單上說明下列情況：

- 1) 從傳動方向看的風機旋轉方向（見圖2）。
- 2) 對於任何安裝位置，請給出風機位置一致的入口葉片控制閥的操作杆的位置（見圖1）。

例：

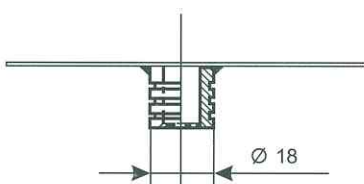
- 風機方向LG 270°
- 入口葉片控制閥操作杆的位置45°



CASING DRAIN

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

Please state mounting position of fan when ordering, as drawing on page 4 of the catalogue, Fig.2.



外殼排水孔

當風機暴露在大氣中或高溫條件下運行時，需要采用這種排水孔。

訂貨時，請說明風機的安裝位置，如樣本第4頁上所示的圖2。

INSPECTION DOOR

This option can be supplied where it is necessary to make periodic inspection and cleaning of the impeller.

The inspection door would be fitted in one of the three positions shown in the diagram and the option must be specified at the time of your order.

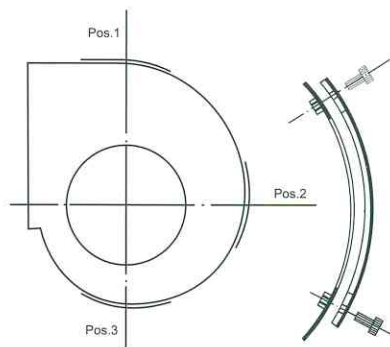
This accessory, made in galvanized steel type Sendzimir, is fixed on the back of the fan with screws and nuts.

檢查門

需要定期檢查和清洗的地方都需要設檢查門。

檢查門可安裝在圖中所示3個位置中的1個，並且要在定單中說明。

檢查門是用Sendzimir型鍍鋅鋼板制作，用螺釘、螺帽安裝在風機背殼上。



MOTOR SELECTION

The power curve shown on every diagram represents the absorbed power at the shaft of the fan, measured in Kw.

To determine the power of the motor to be installed, the following correction factors have to be taken in consideration:

EDZ-S (ERZ-S) $\leq 10\text{kw}$ 1.2

EDZ-S (ERZ-S) $> 10\text{kw}$ 1.15

To obtain the motor power in HP, the power in KW is to be multiplied by 1.34.

ORIENTATION

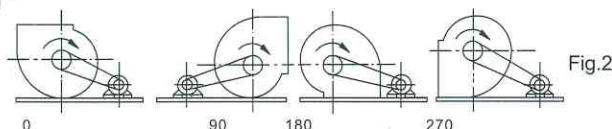
The orientation of the fan is in accordance to standards Eurovent-Documet 1/1.

The rotation is determined looking at the fan from the motor side.

RD:right rotation (clockwise)

LG:left rotation (counterclockwise)

"RD"



電機的選擇

各性能曲線圖上的功率曲線均為風機軸上的吸收功率，用KW表示。

爲了確定所安裝的電機的功率，應考慮乘以下列修正系數：

EDZ-S (ERZ-S) $\leq 10\text{kw}$ 1.2

EDZ-S (ERZ-S) $> 10\text{kw}$ 1.15

爲獲得以馬力HP表示的電機功率，用KW表示的功率應乘以1.34。

方位

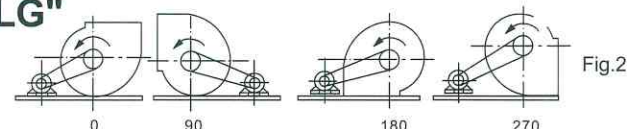
風機的方位是根據標準Eurovent Document 1/1確定的。

其方向是由電機側來看風機。

RD: 右旋（順時針）

LG: 左旋（逆時針）

"LG"



DYNAMIC PRESSURE

The average dynamic pressure and the average outlet velocity are both calculated on the whole air discharge area.

These values may be used in ducted systems but should the fan discharge into free air then, because of uneven air discharge, multiply the velocity pressure with the correction factor "K" shown in the table:

Correction factor "K" for the velocity pressure in case of free air discharge.

動壓

平均動壓和平均出口風速二者都是根據整個排氣出口面積計算的。

這些數值可用于接風管的系統中，但是如果排入自由空間時，因爲排氣不均勻，應將這些動壓值乘以下列的修正系數 "K"

Correction factor "K" for the velocity pressure in case of free air discharge.

排入自由空間時，對速度壓的修正值系數 "K"

	250	280	315	355	400	450	500	560	630	710	800	900	1000
EDZ-S	2.0	1.8	2.3	2.3	2.1	2.1	2.3	2.0	2.3	1.8	1.6	1.8	1.6
ERZ-S	2.7	2.8	2.7	2.7	2.6	2.65	2.7	2.65	2.6	2.6	2.6	2.6	2.7

NOISE

The noise level shown on each diagram refers to the sound power ("A" scale) and the data have been calculated in accordance with VDI 2081.

To calculate other noise data, the following formulae have to be used:

Sound power(A Scale)

$L_{w(A)}$ as catalogue

Octave band spectrum

$L_w = L_{w(A)} + \text{correction factor } L_w \text{ rel dB}$

Sound pressure level at 1 meter

$L_{p(A)} \approx L_{w(A)} - 7\text{dB}$

噪音

各性能曲線圖上的噪音級均指音功率級 ("A")，同時其數是根據VDI 2081計算的。

爲計算其它噪音數據，應採用下列公式：

音功率級 ("A" 級)

即性能曲線上的 $L_{w(A)}$

八段頻譜

$L_w = L_{w(A)} + \text{修正值 } L_w \text{ rel dB}$

音壓級1m處

$L_{p(A)} \approx L_{w(A)} - 7\text{dB}$



CONSTRUCTION

The EDZ-S (forward curved) and ERZ-S (backward curved) are available in the following constructions:

- EDZ-S and ERZ-S “L”
200 to 630 mms.
- EDZ-S and ERZ-S “R”
200 to 630 mms.
- EDZ-S and ERZ-S “k”
710 to 1000 mms.
- EDZ-S and ERZ-S “T”
315 to 1000 mms.

ACCESSORIES

The following accessories are available on request:

flanges, matching flanges, flexible connectors, inlet rings can be supplied aluminium, copper or brass for use in “anti-spark” applications, mounting base, belt tension guide, etc.

All fans can be supplied in V Belt System complete with all accessories.

結構

EDZ-S (前彎) 和 ERZ-S (后彎) 都具有下列結構:

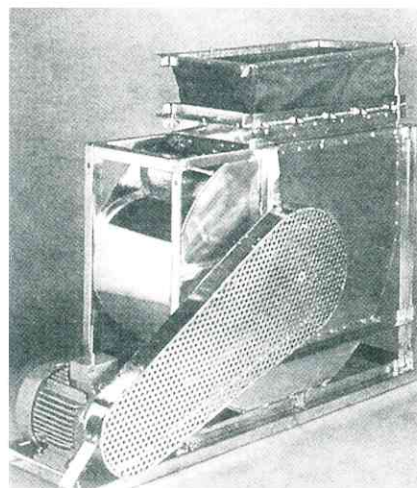
- EDZ-S 和 ERZ-S “L”
尺寸從 200 到 630 mm
- EDZ-S 和 ERZ-S “R”
尺寸從 200 到 630 mm
- EDZ-S 和 ERZ-S “K”
尺寸從 710 到 1000 mm
- EDZ-S 和 ERZ-S “T”
尺寸從 315 到 1000 mm

附件

根據需要可提供下列配件:

法蘭、配套法蘭、柔性連接、支撐底座、皮帶拉緊導向裝置等，入口圈在“防火花”的應用中可提供鋁、銅或黃銅材質。

所有的風機都可提供完整的三角皮帶系統，并帶有關配件。



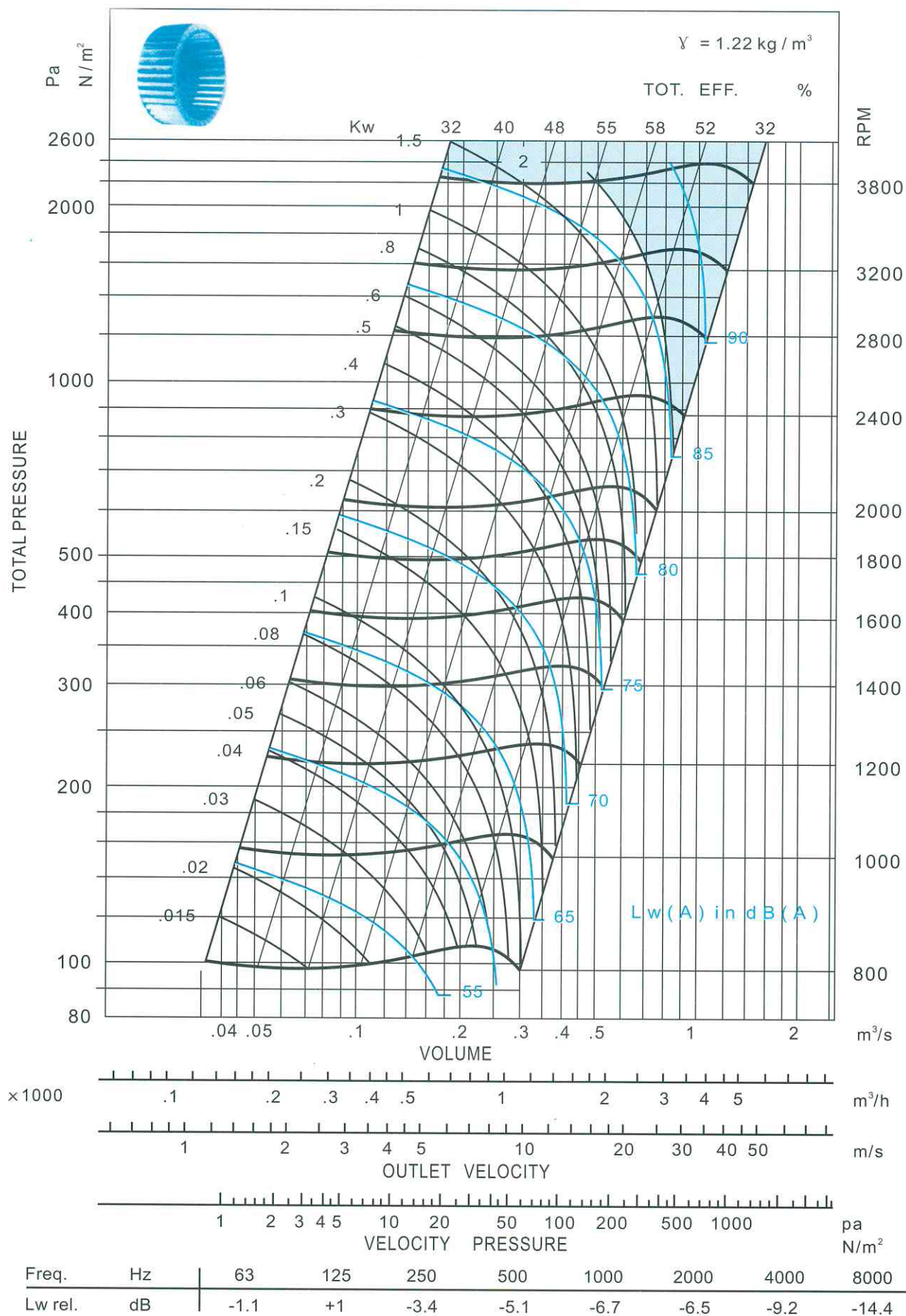
風機性能曲綫圖



EDZ-S 200

WHEEL DIAMETER

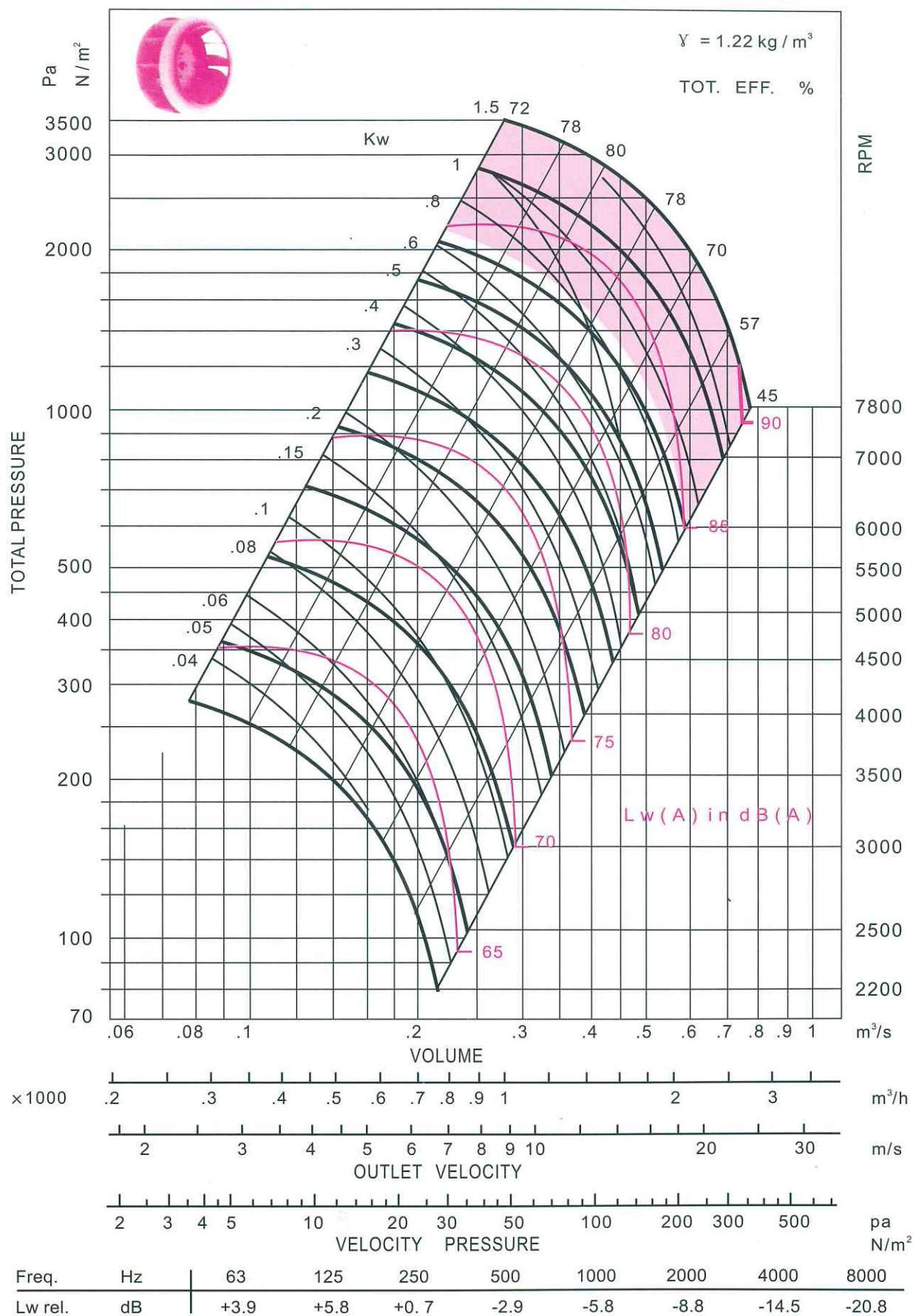
200 mm



ERZ-S 200

WHEEL DIAMETER

200 mm

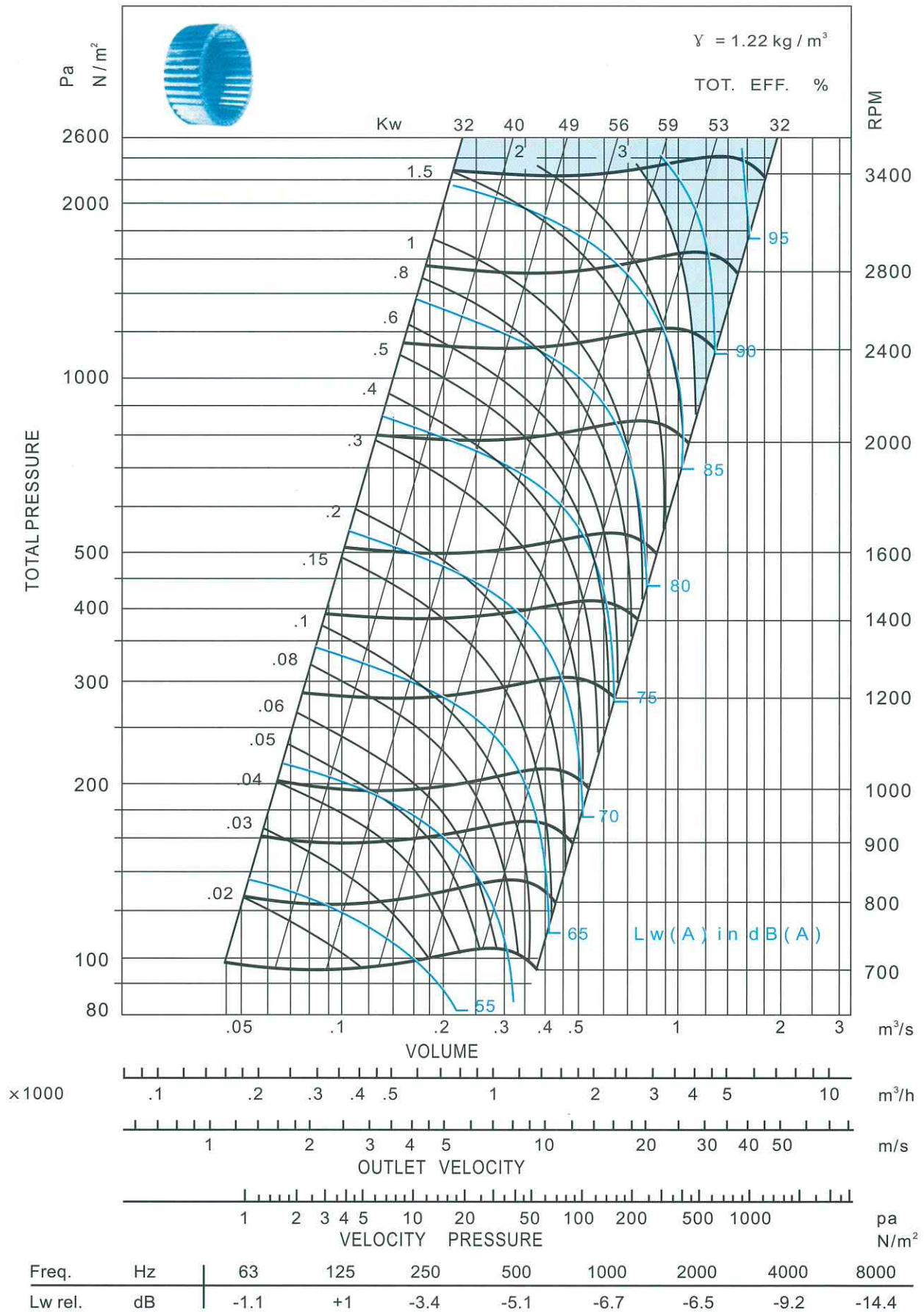




EDZ-S 225

WHEEL DIAMETER

225 mm

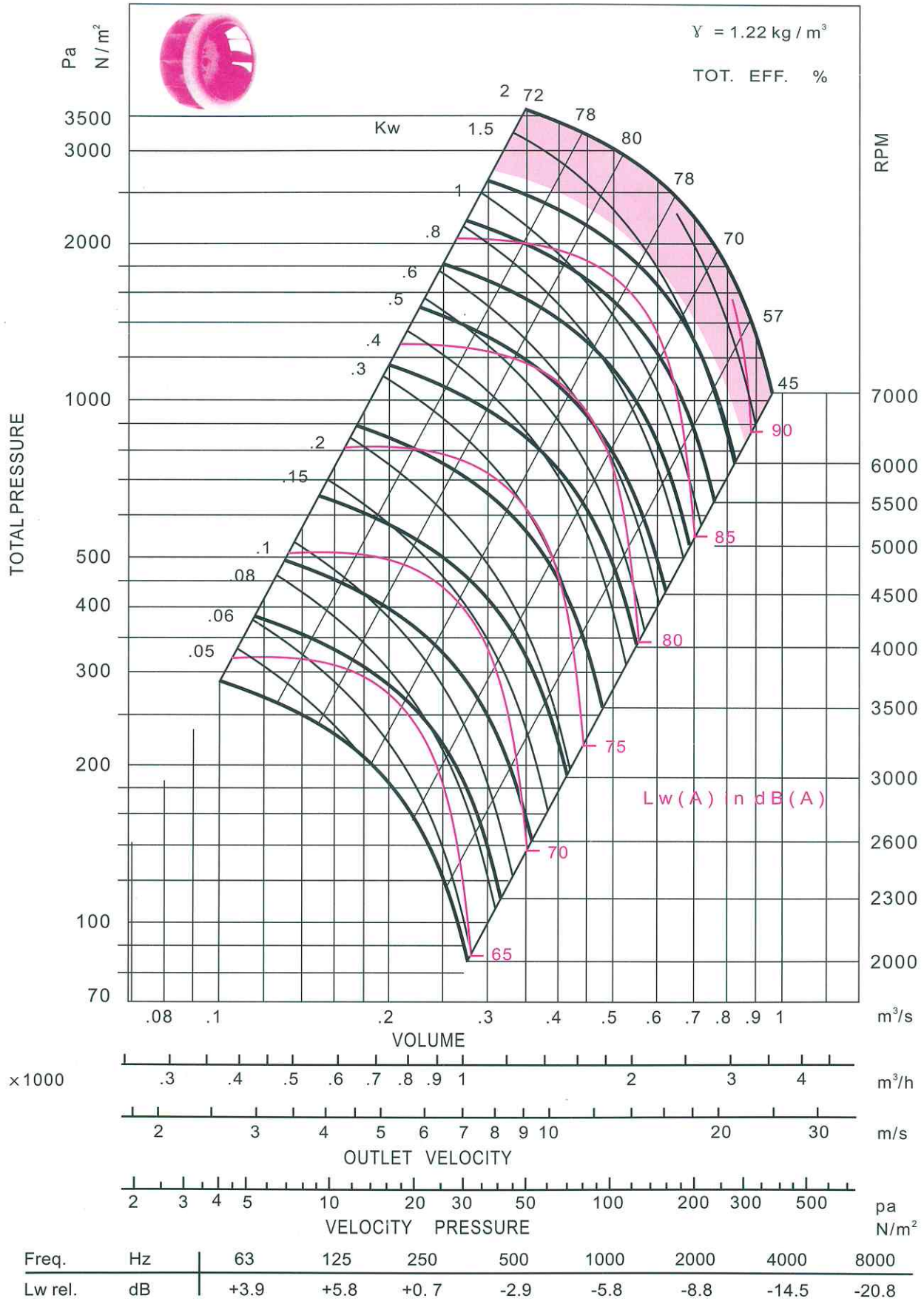




ERZ-S 225

WHEEL DIAMETER

225 mm

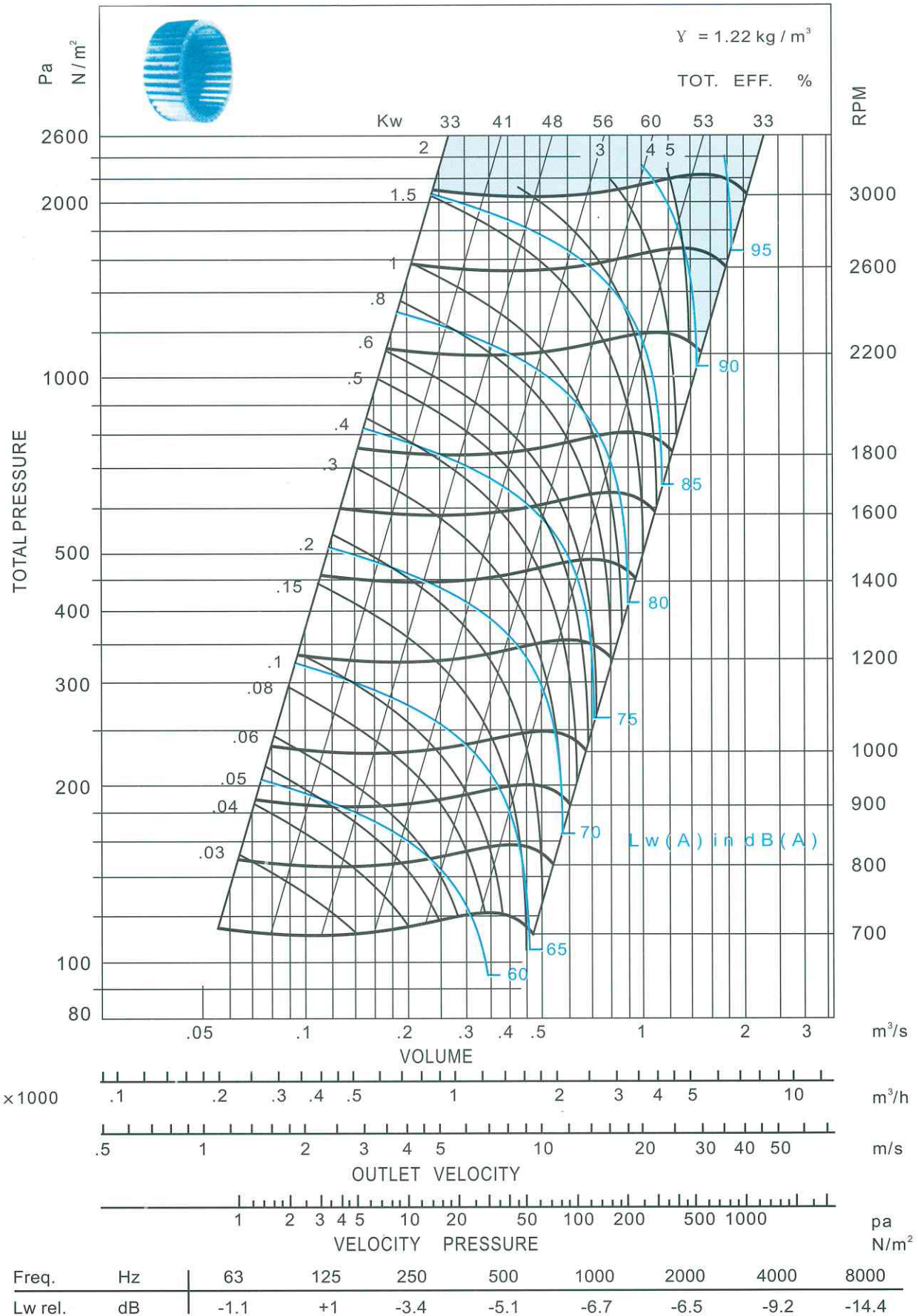




EDZ-S 250

WHEEL DIAMETER

250 mm

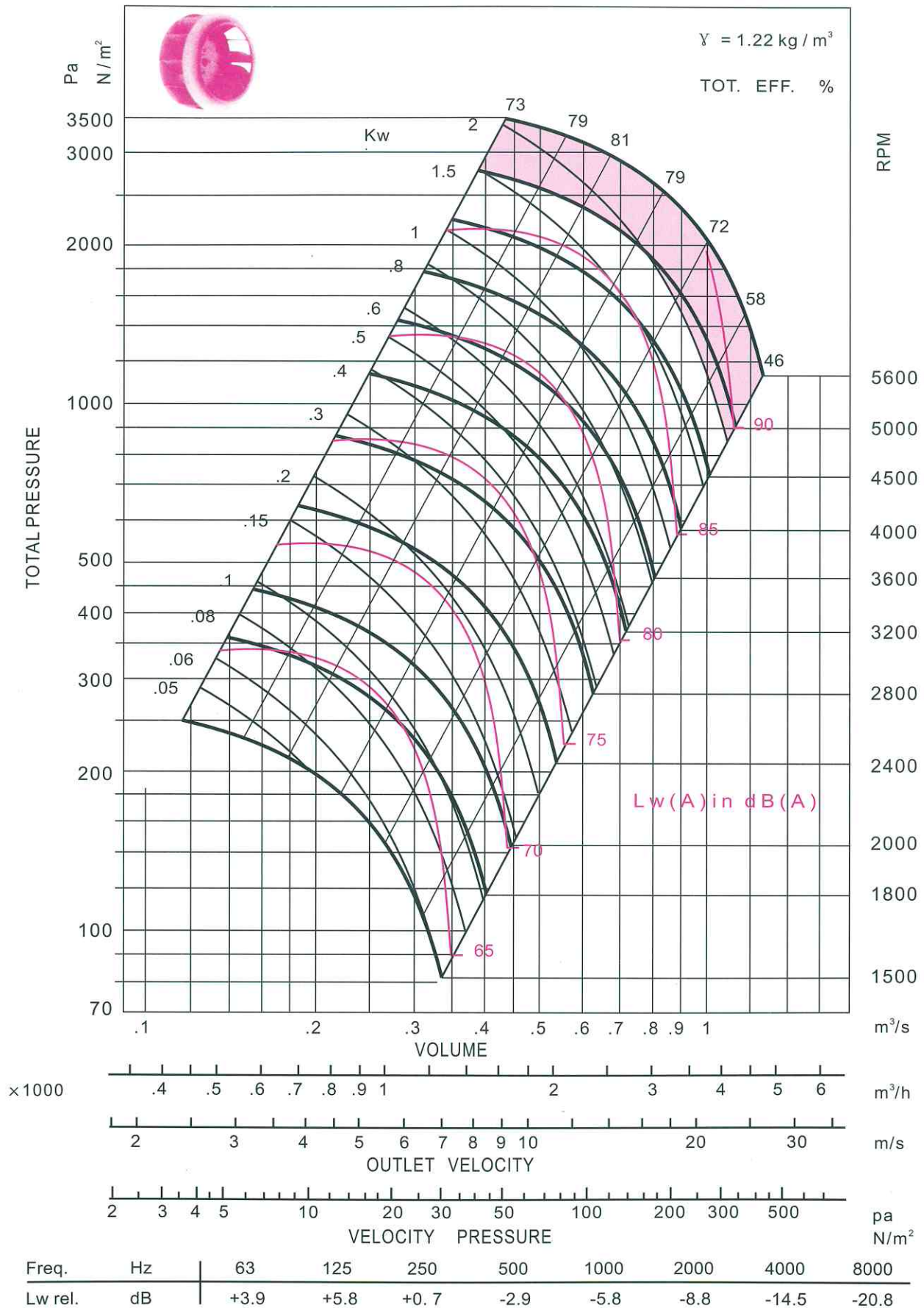




ERZ-S 250

WHEEL DIAMETER

250 mm

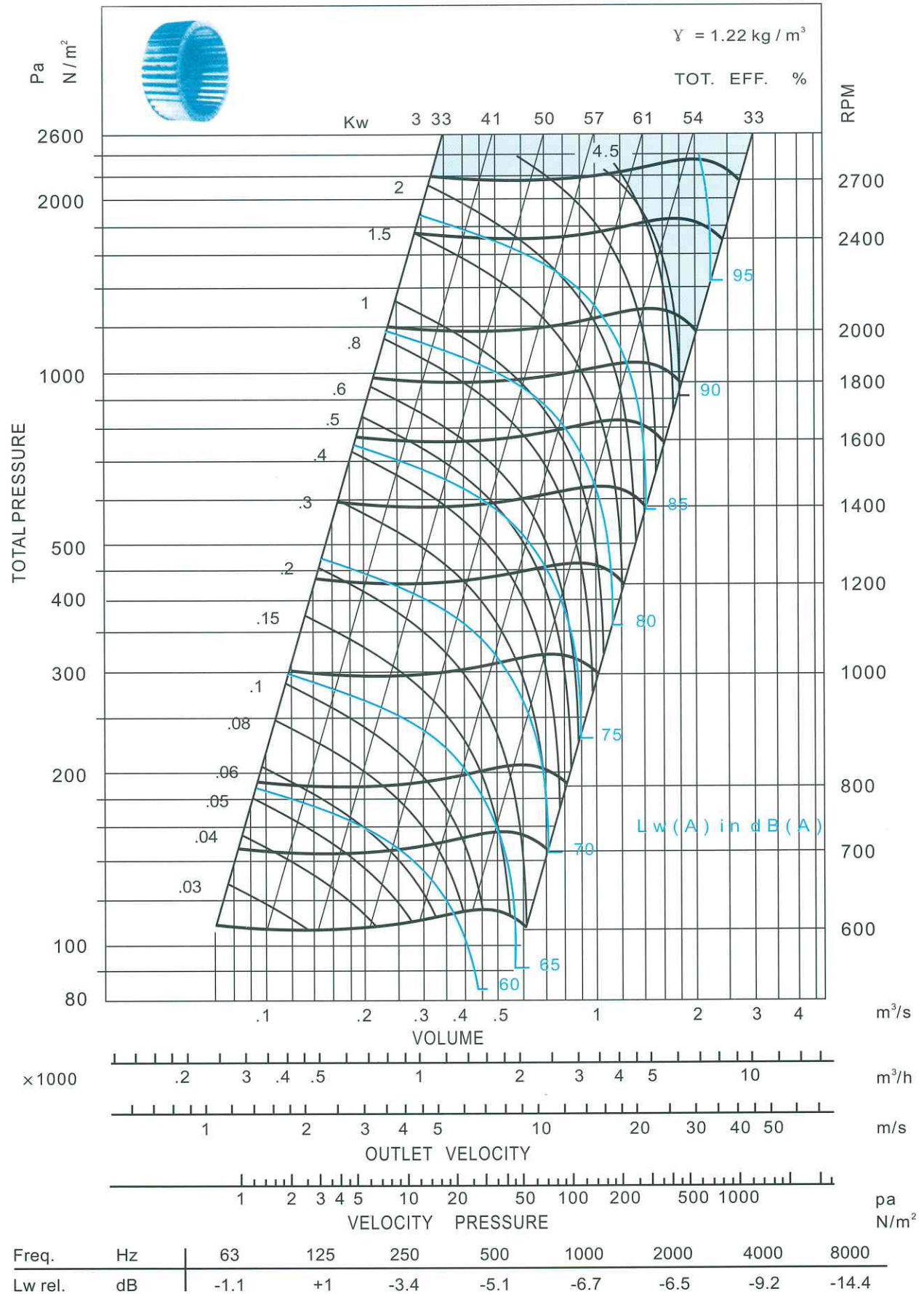




EDZ-S 280

WHEEL DIAMETER

280 mm

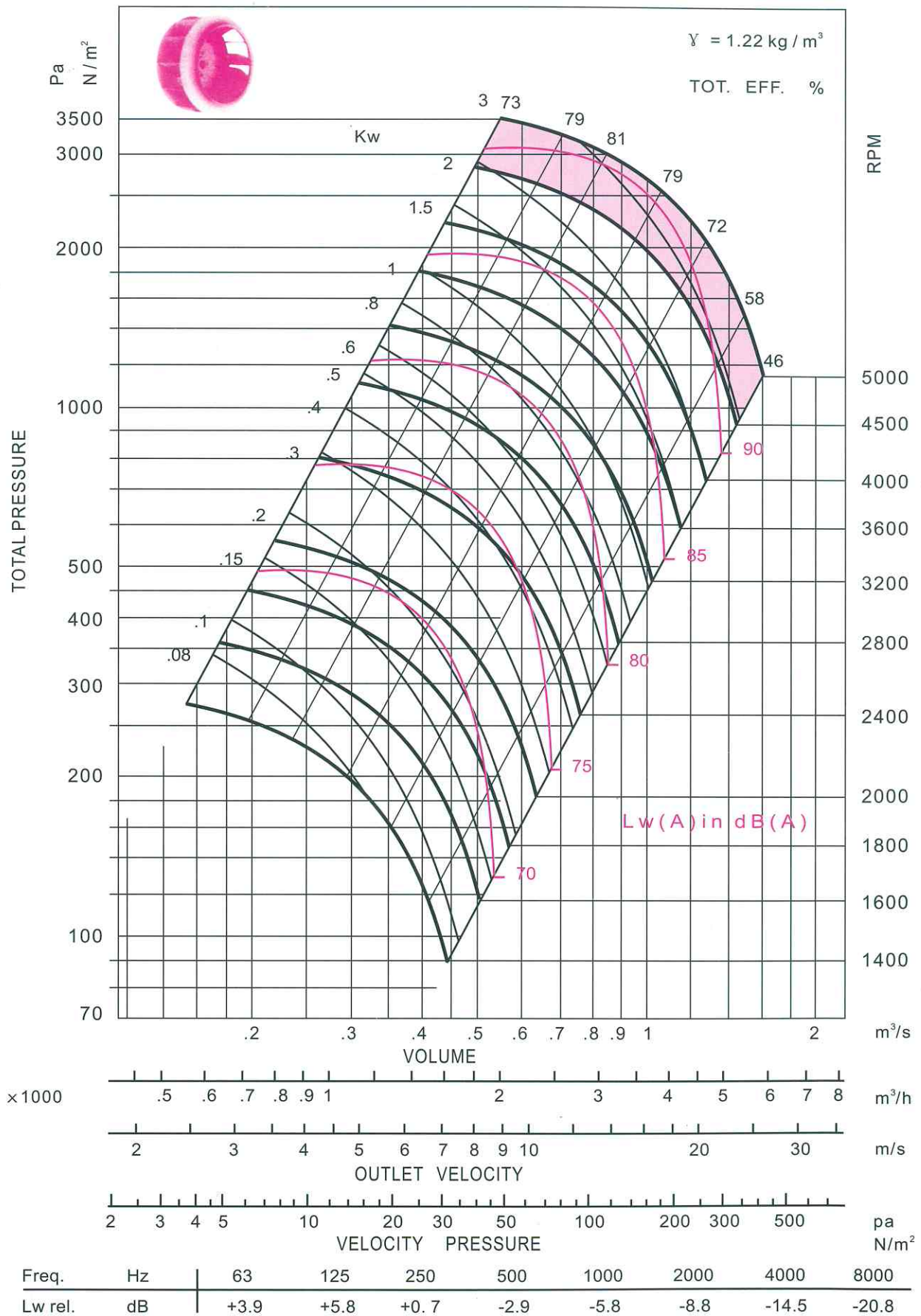




ERZ-S 280

WHEEL DIAMETER

280 mm

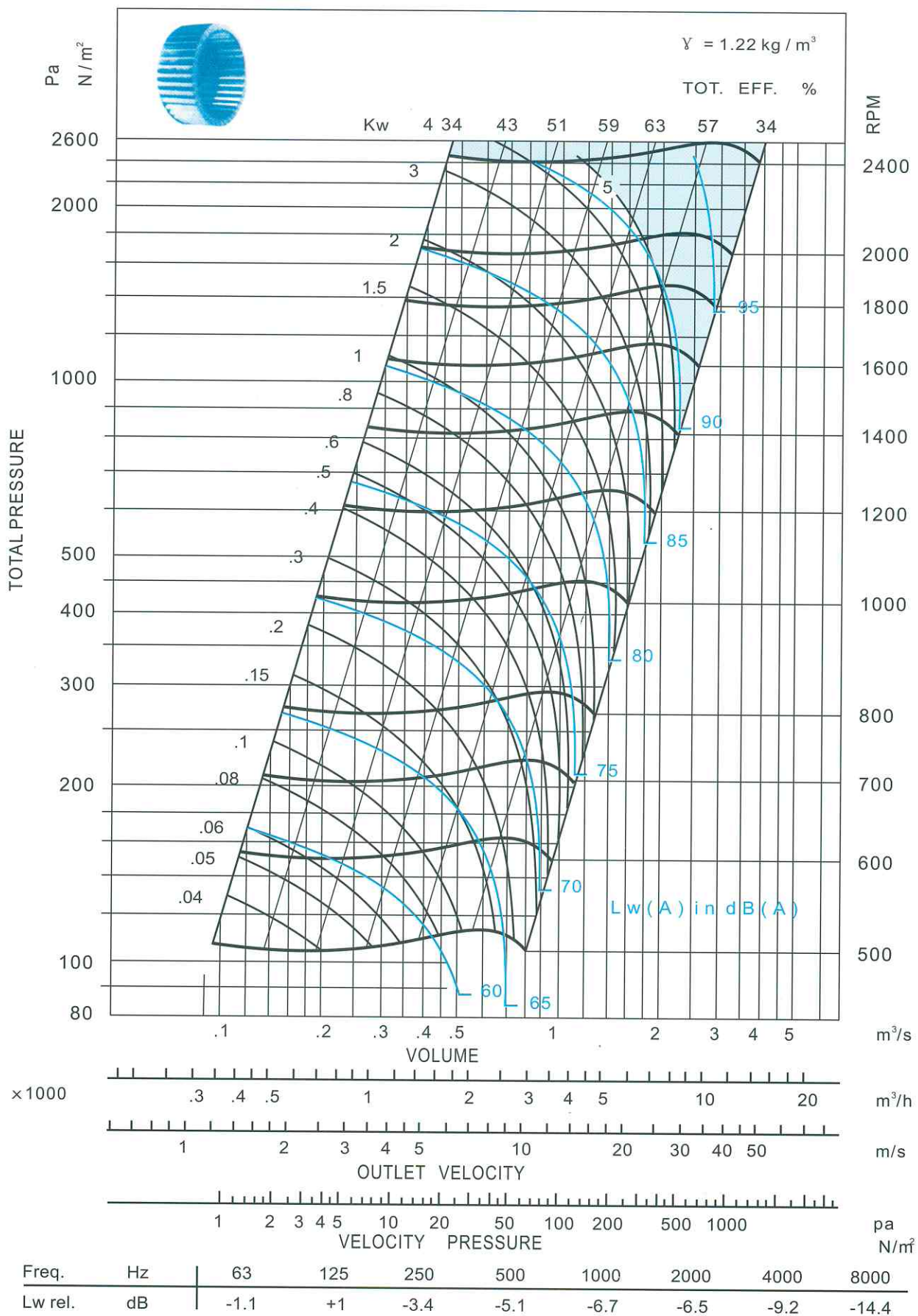




EDZ-S 315

WHEEL DIAMETER

315 mm

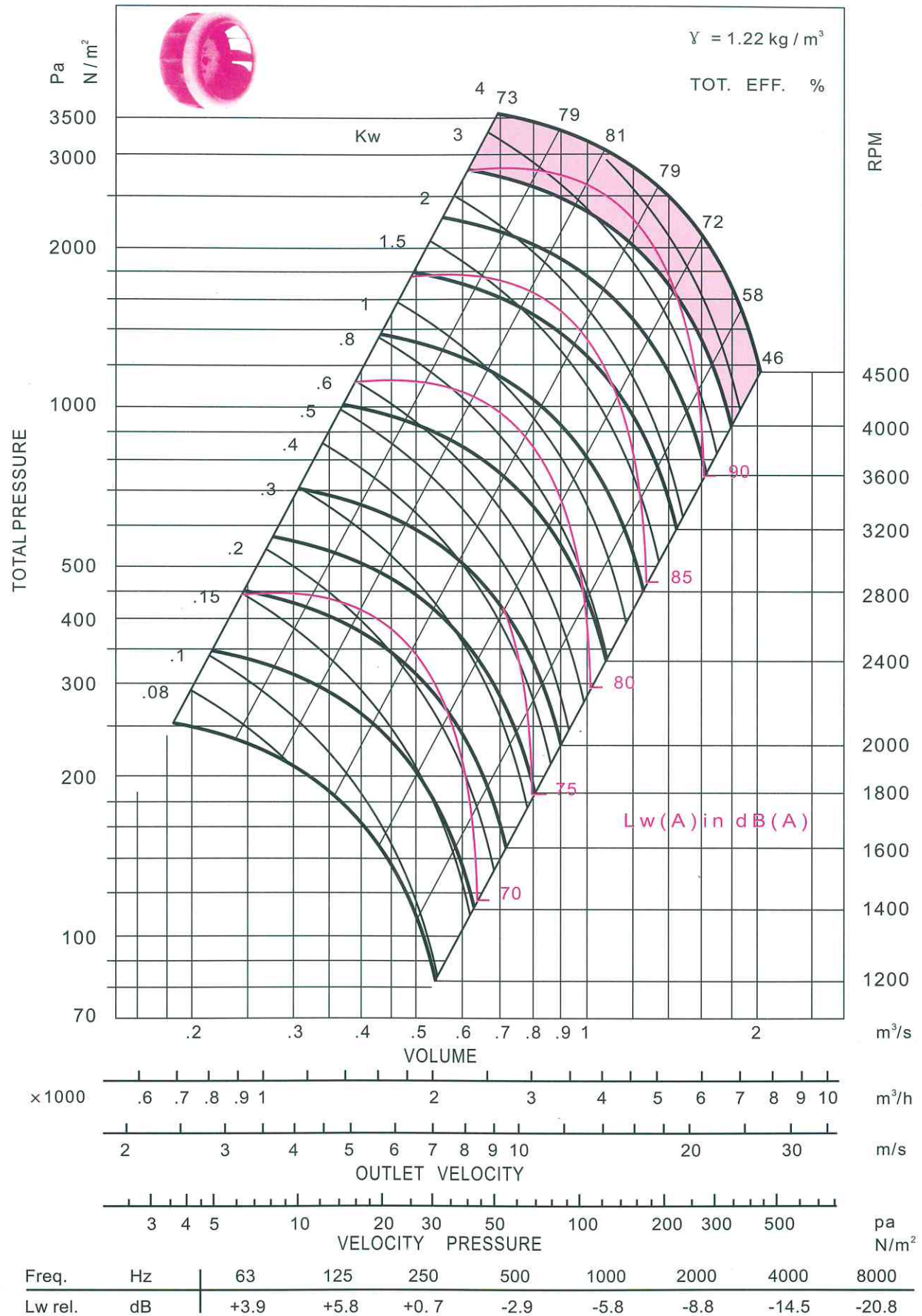




ERZ-S 315

WHEEL DIAMETER

315 mm

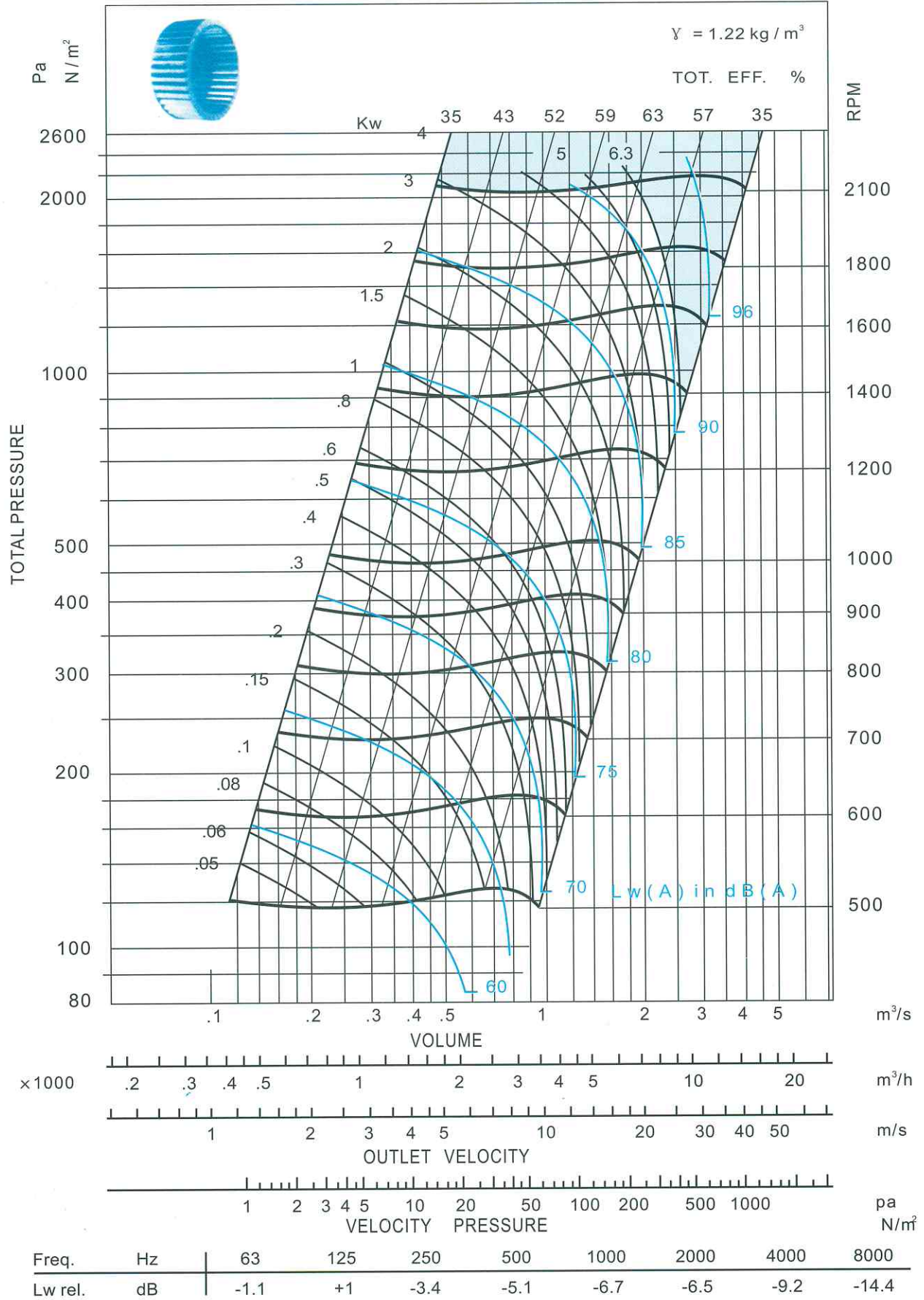




EDZ-S 355

WHEEL DIAMETER

355 mm

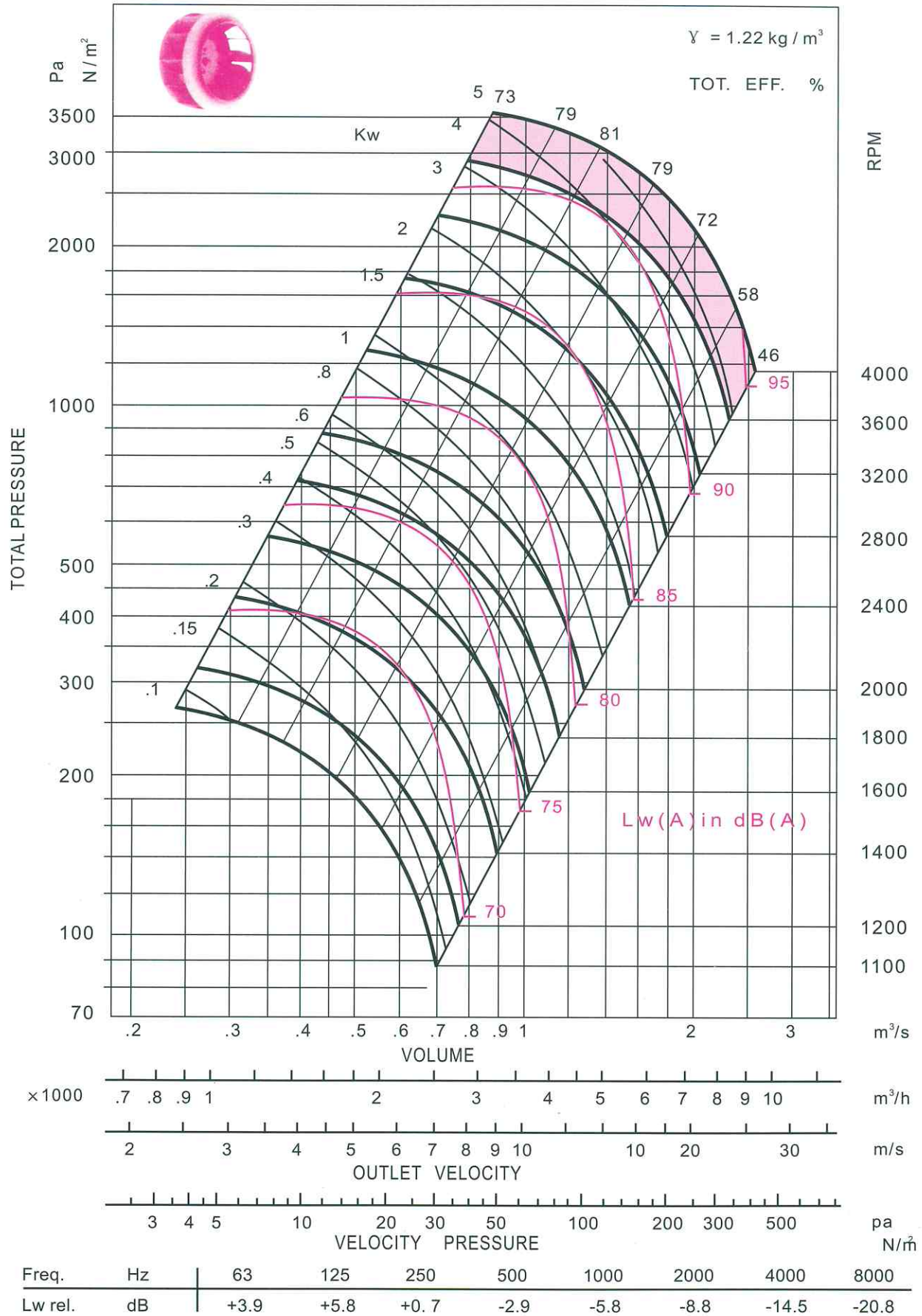




ERZ-S 355

WHEEL DIAMETER

355 mm

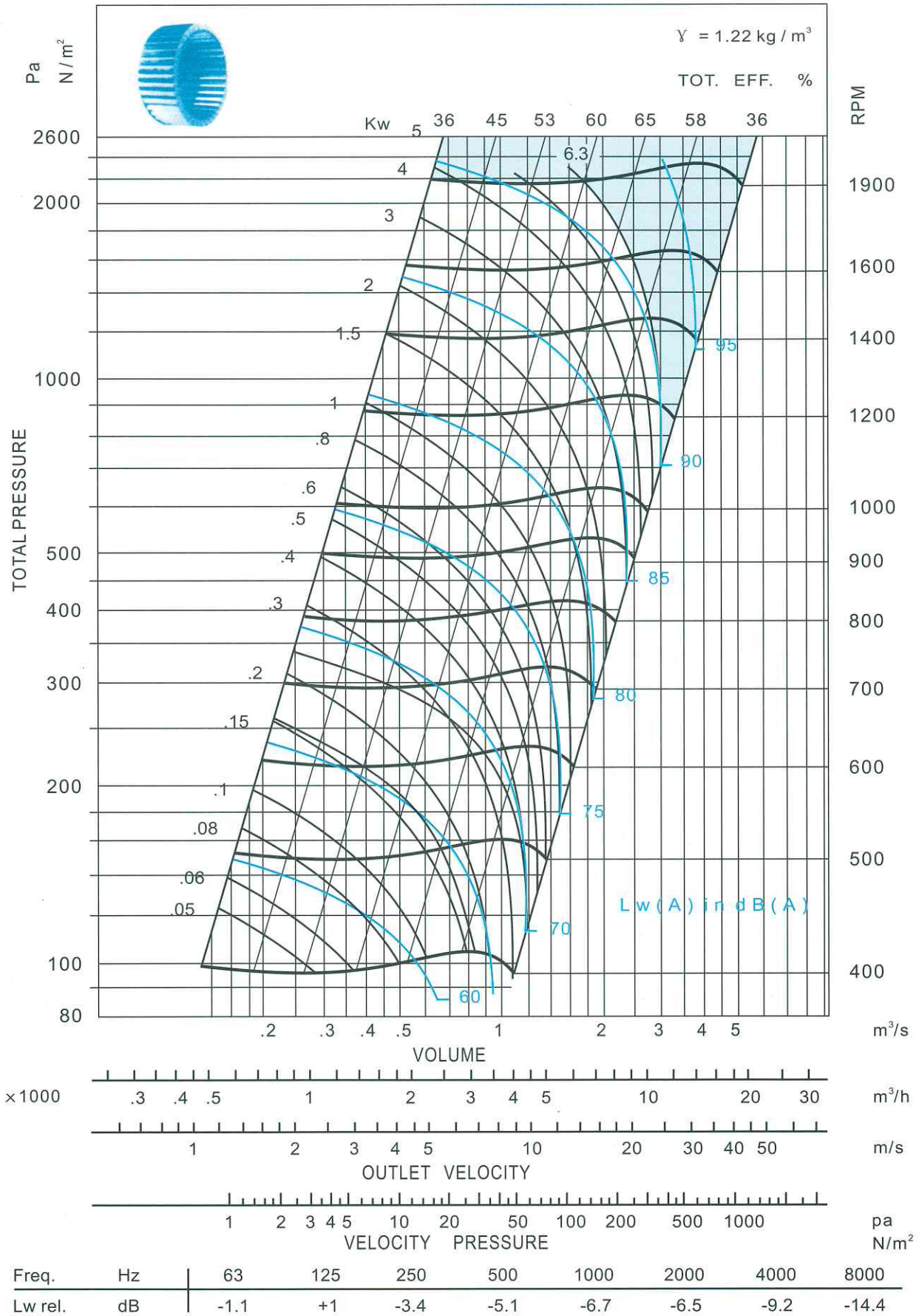




EDZ-S 400

WHEEL DIAMETER

400 mm

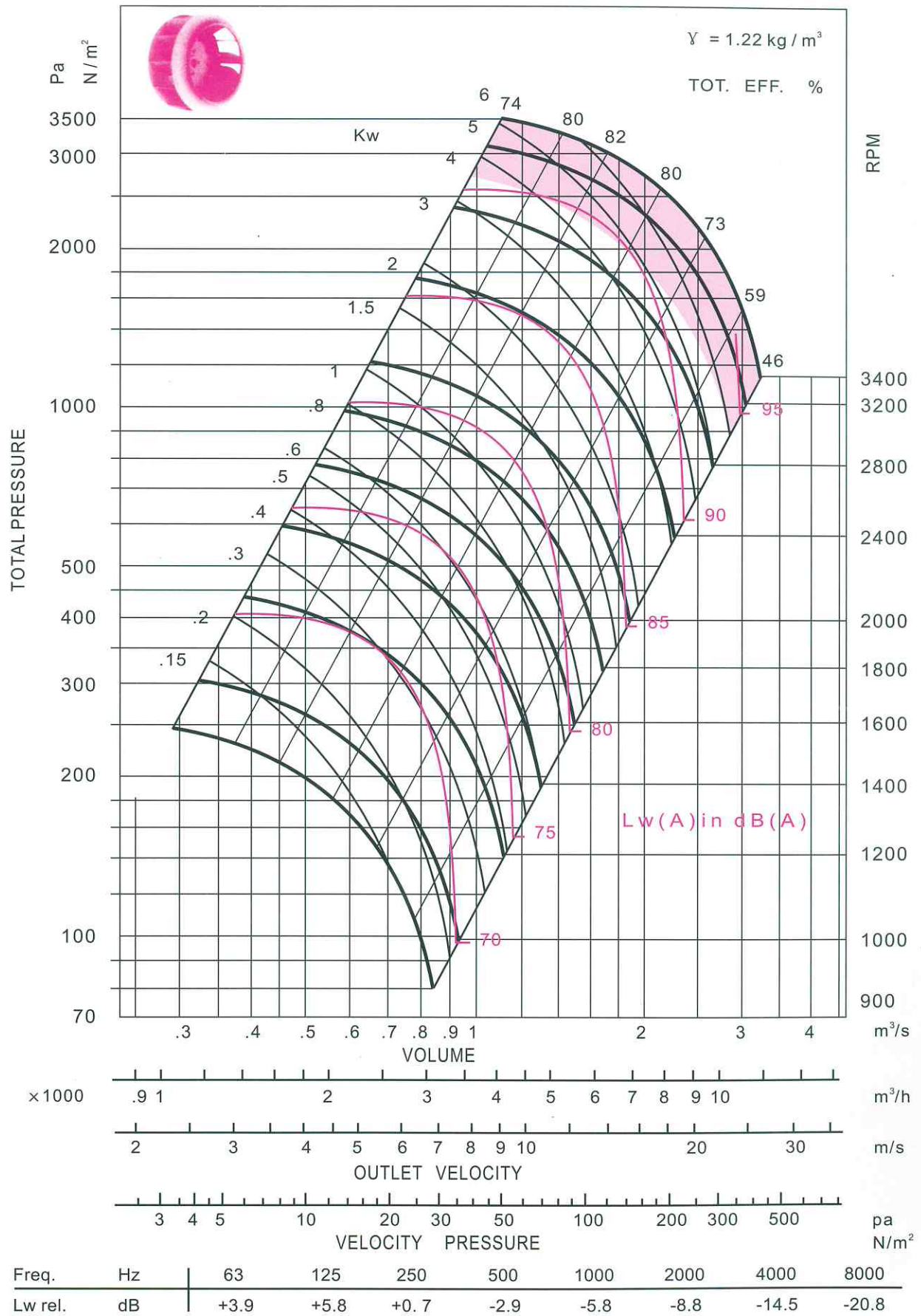




ERZ-S 400

WHEEL DIAMETER

400 mm

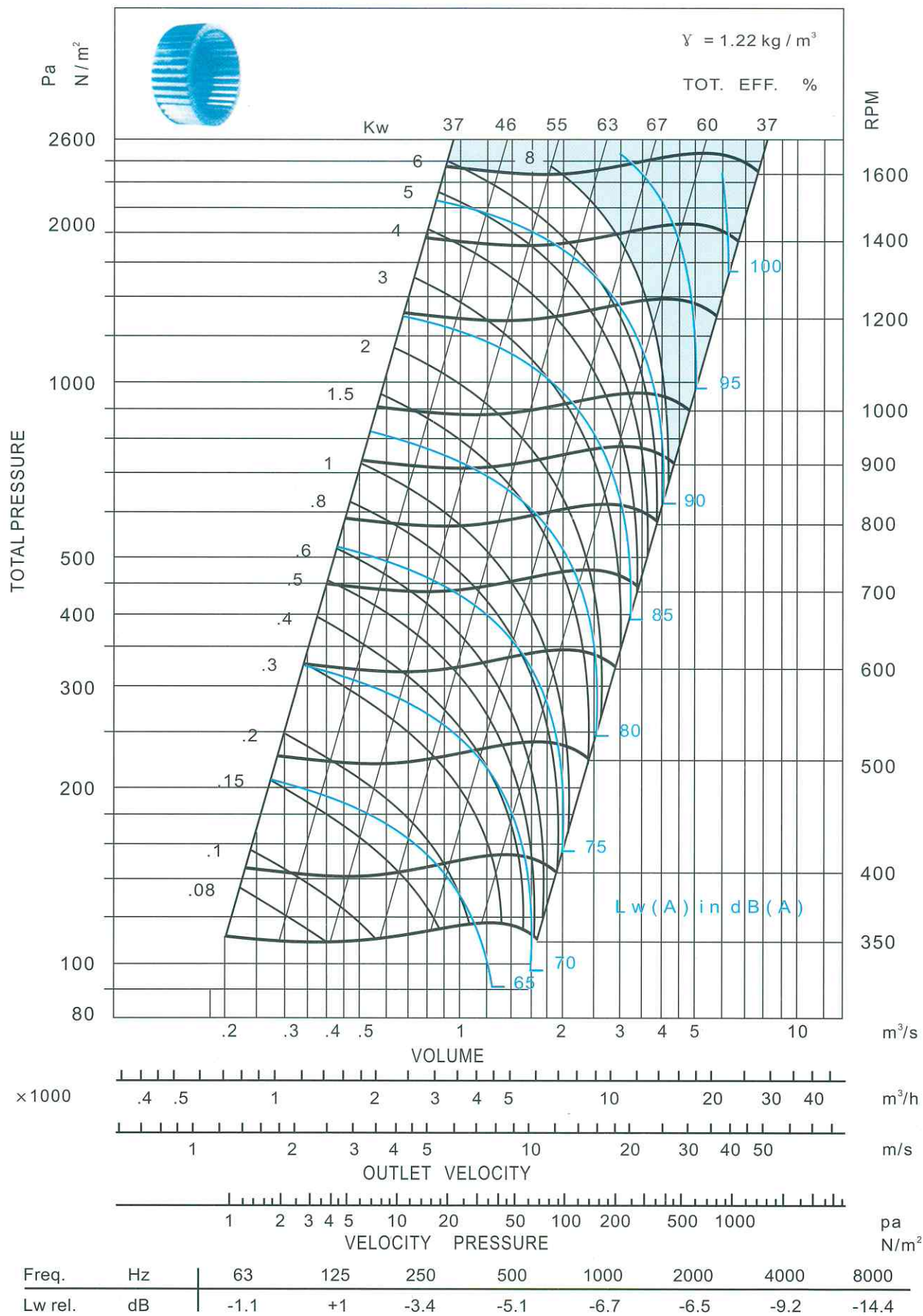




EDZ-S 450

WHEEL DIAMETER

450 mm

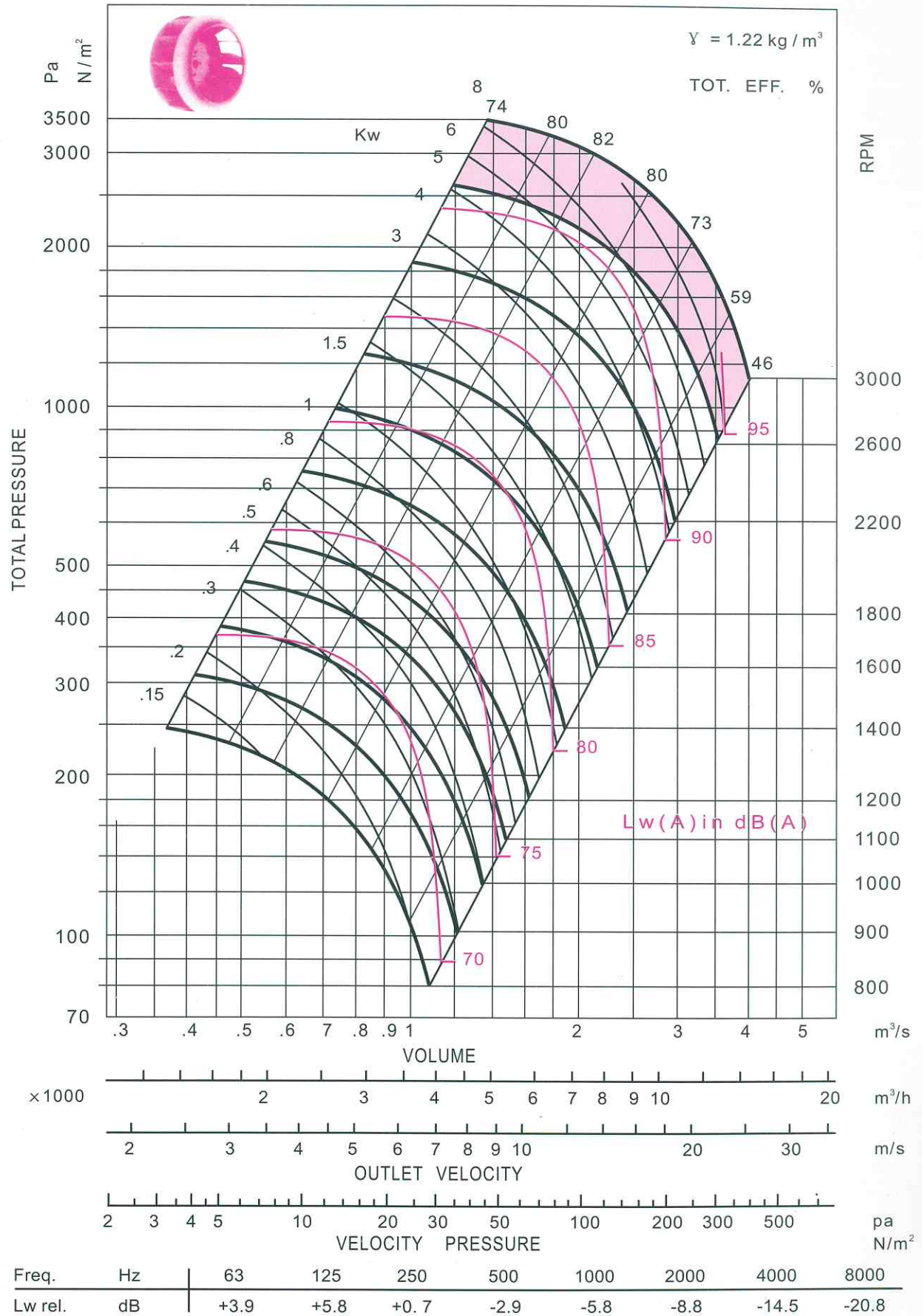




ERZ-S 450

WHEEL DIAMETER

450 mm

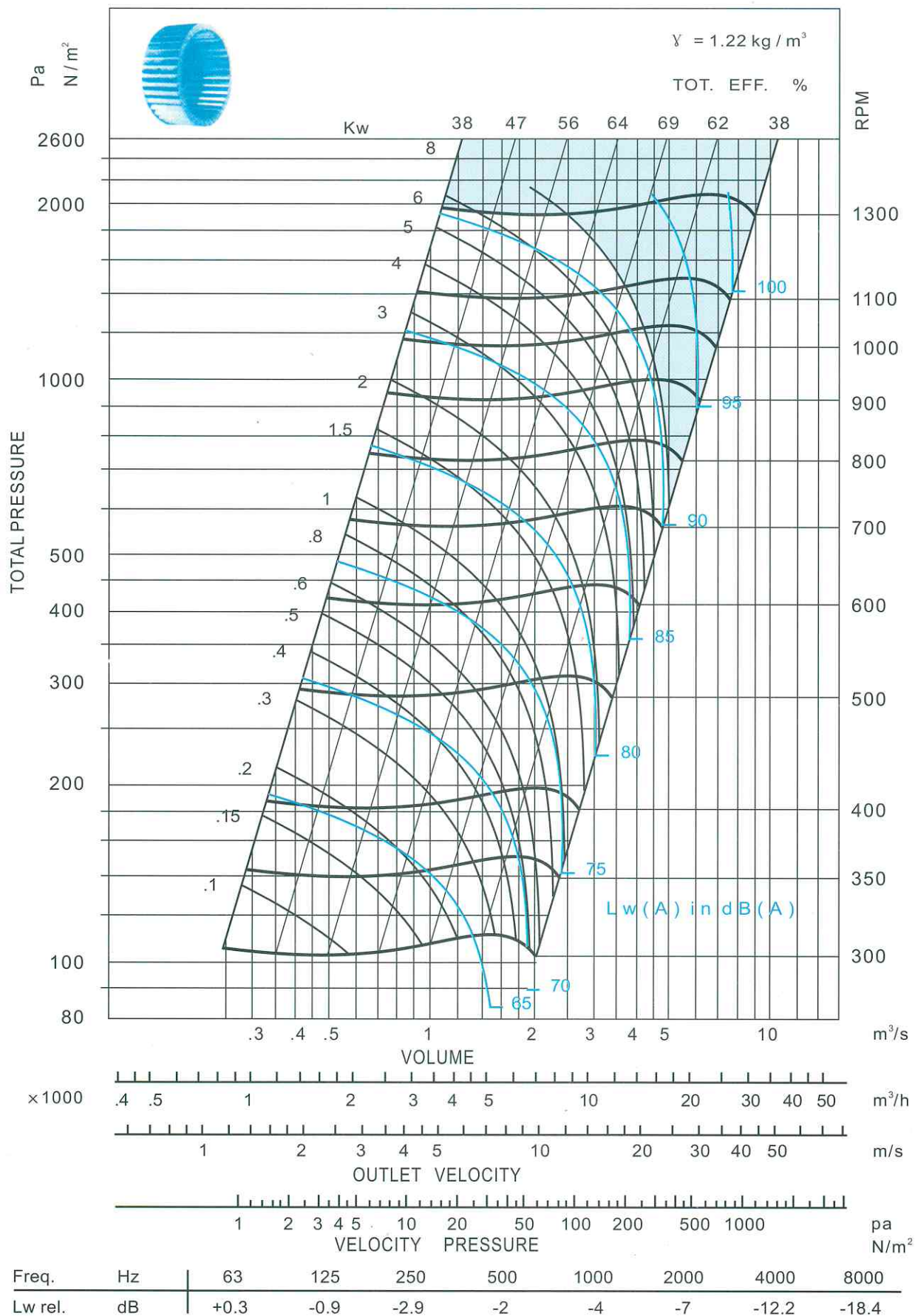




EDZ-S 500

WHEEL DIAMETER

500 mm

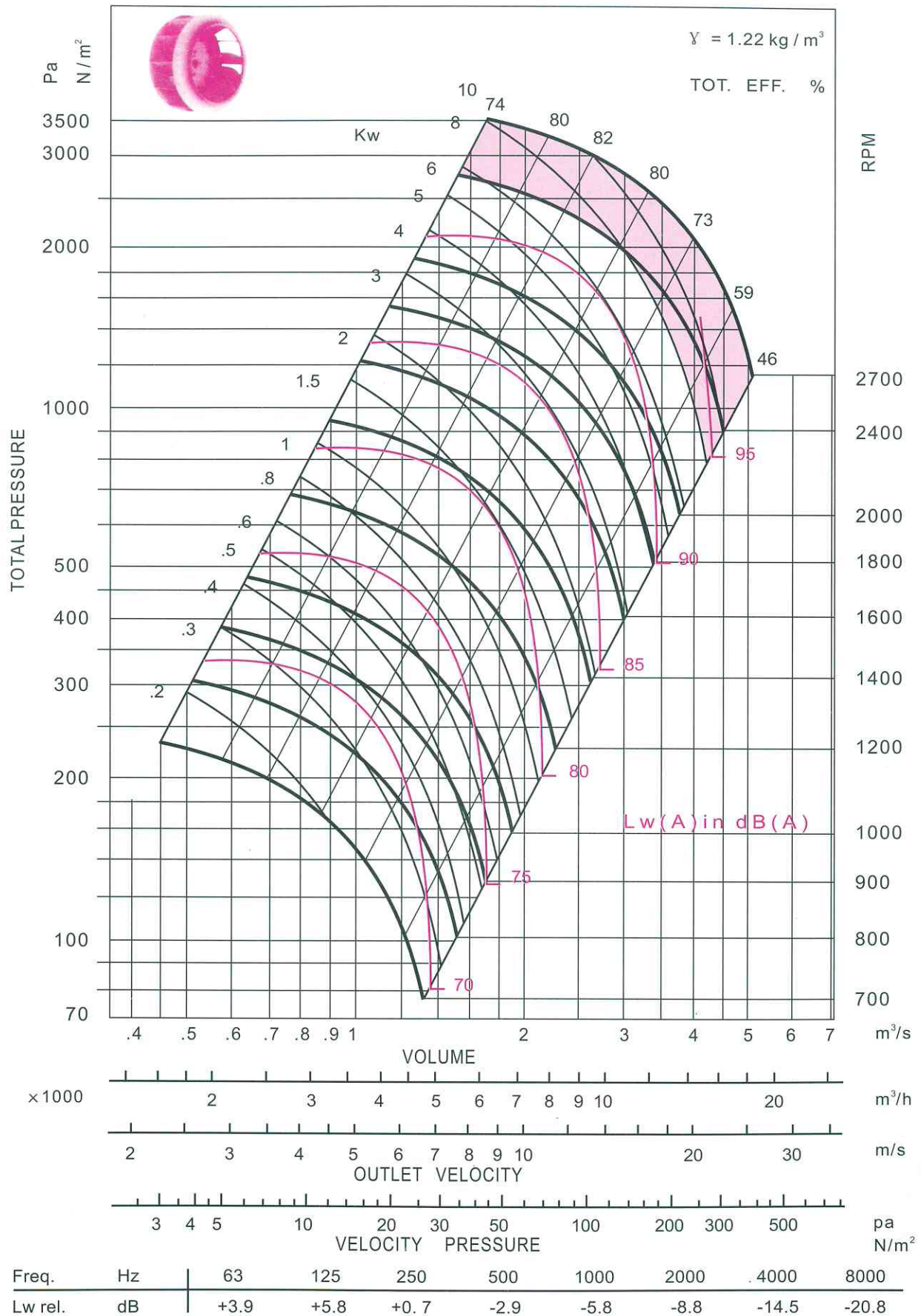




ERZ-S 500

WHEEL DIAMETER

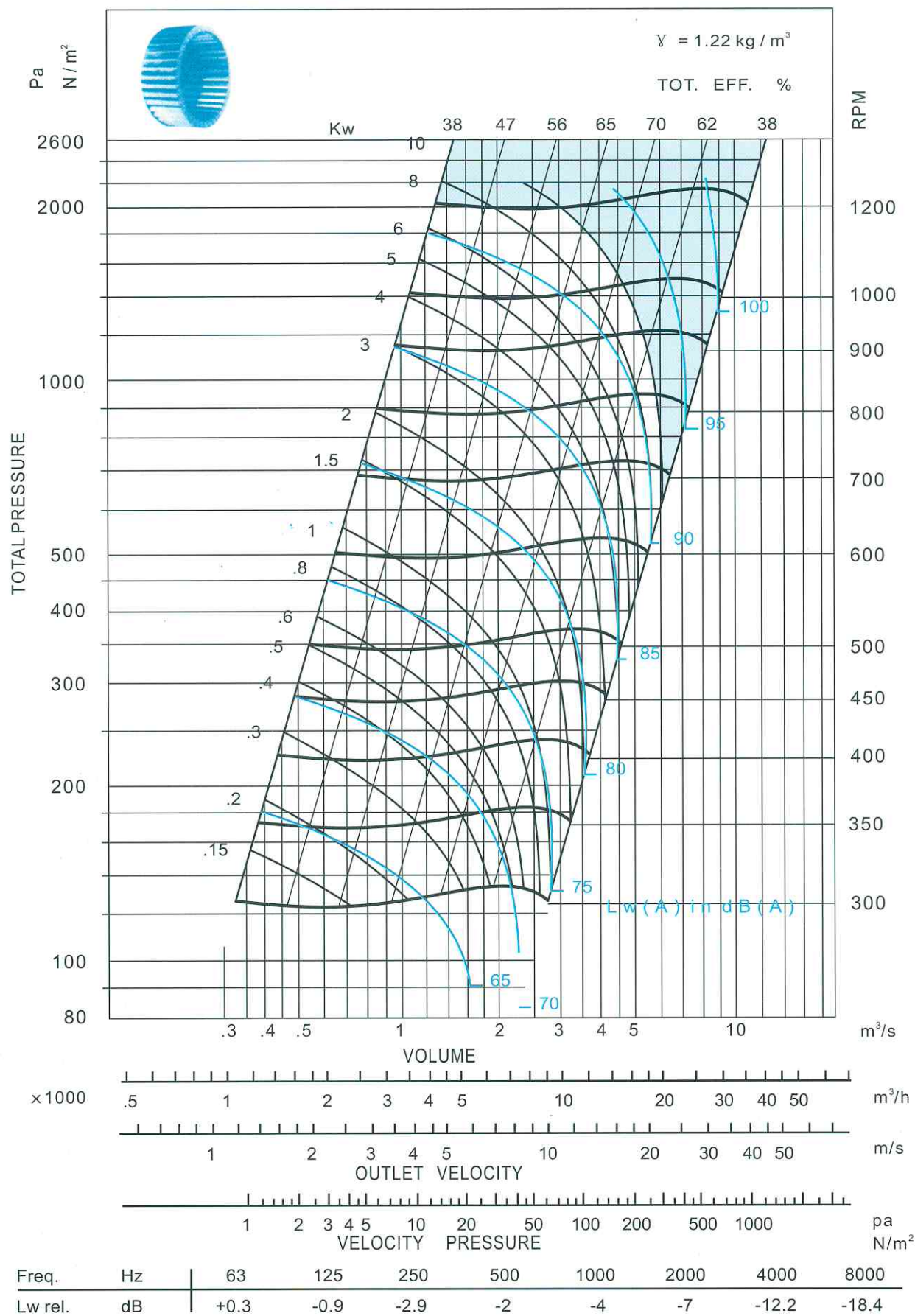
500 mm



EDZ-S 560

WHEEL DIAMETER

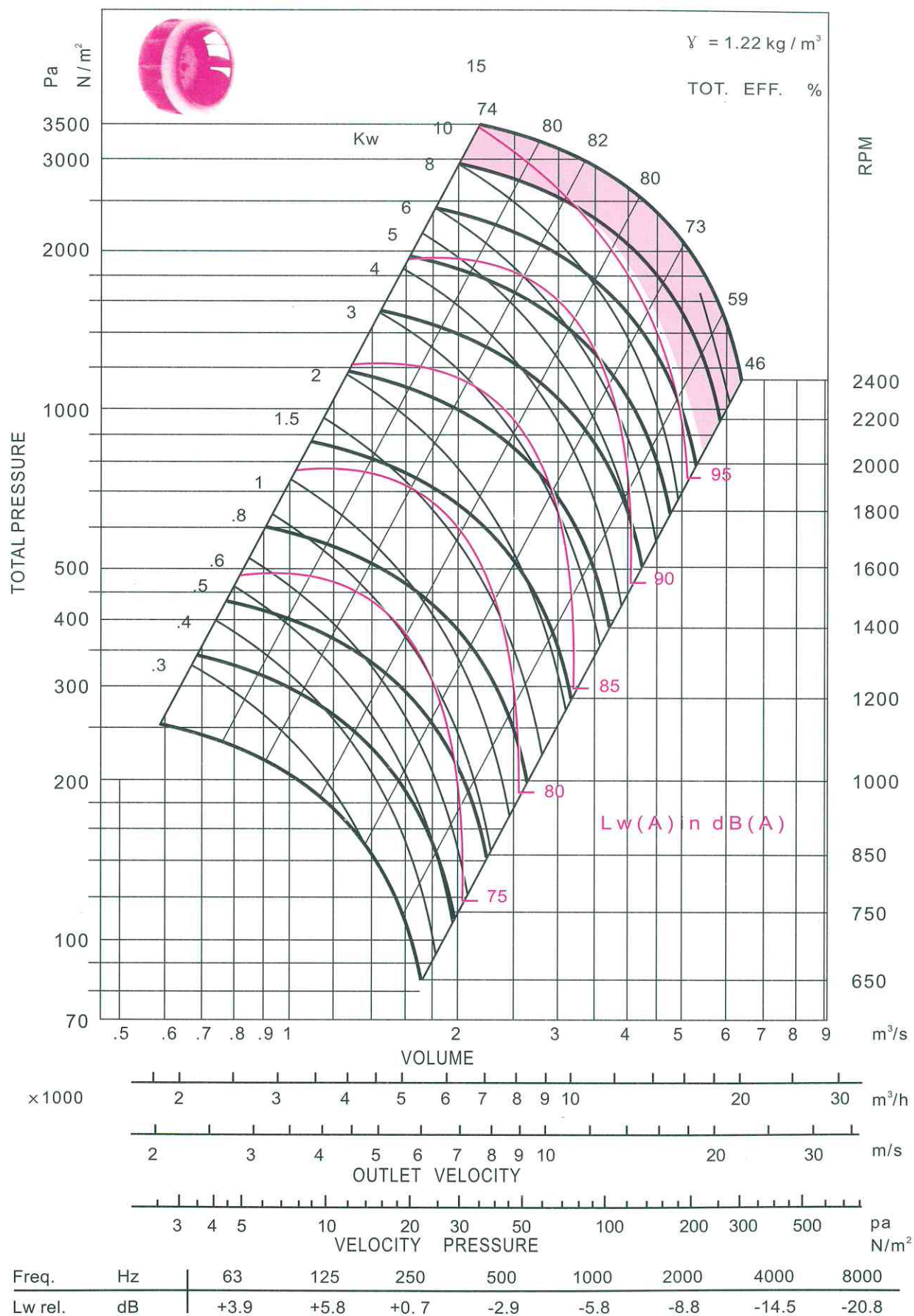
560 mm



ERZ-S 560

WHEEL DIAMETER

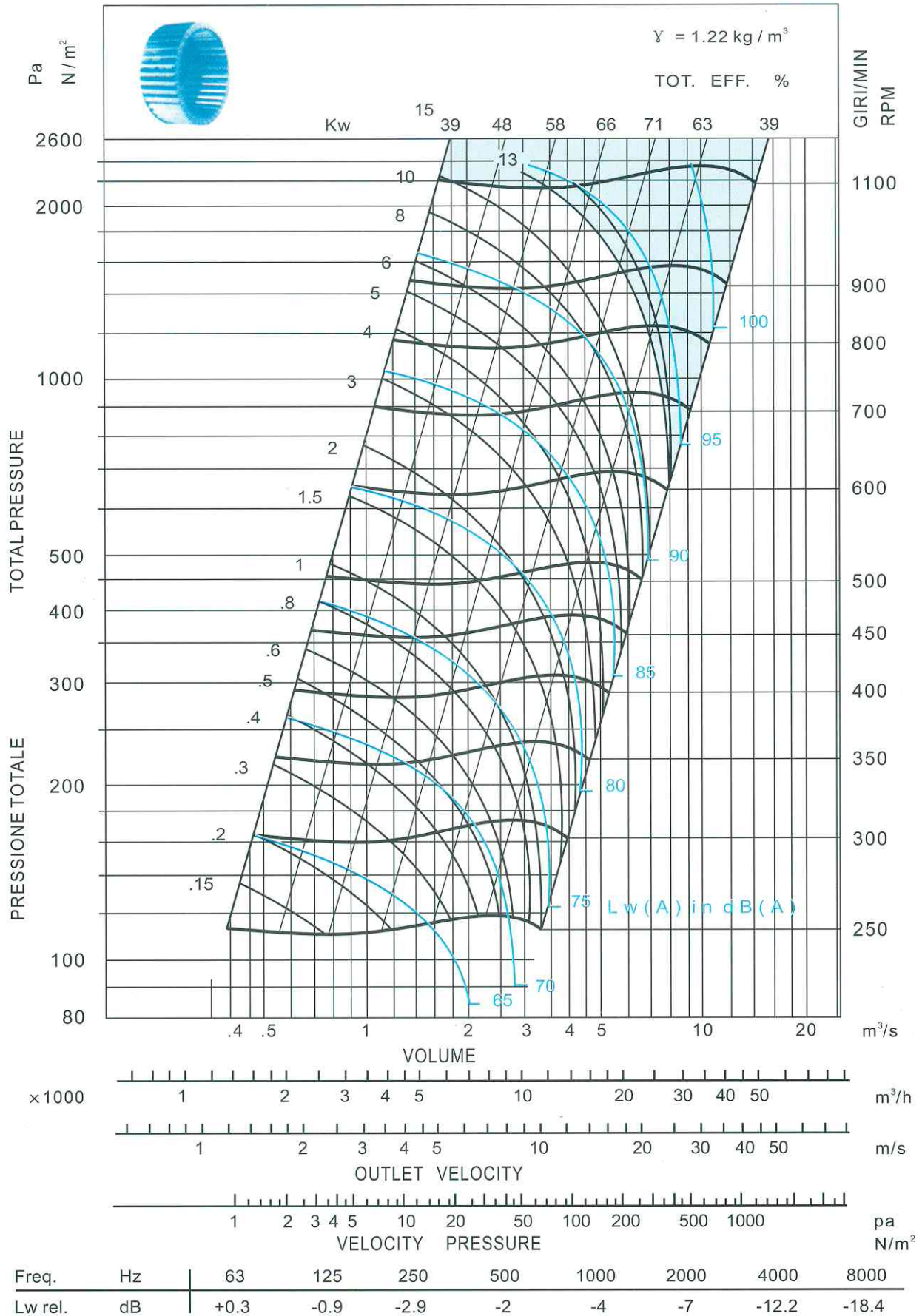
560 mm



EDZ-S 630

WHEEL DIAMETER

630 mm

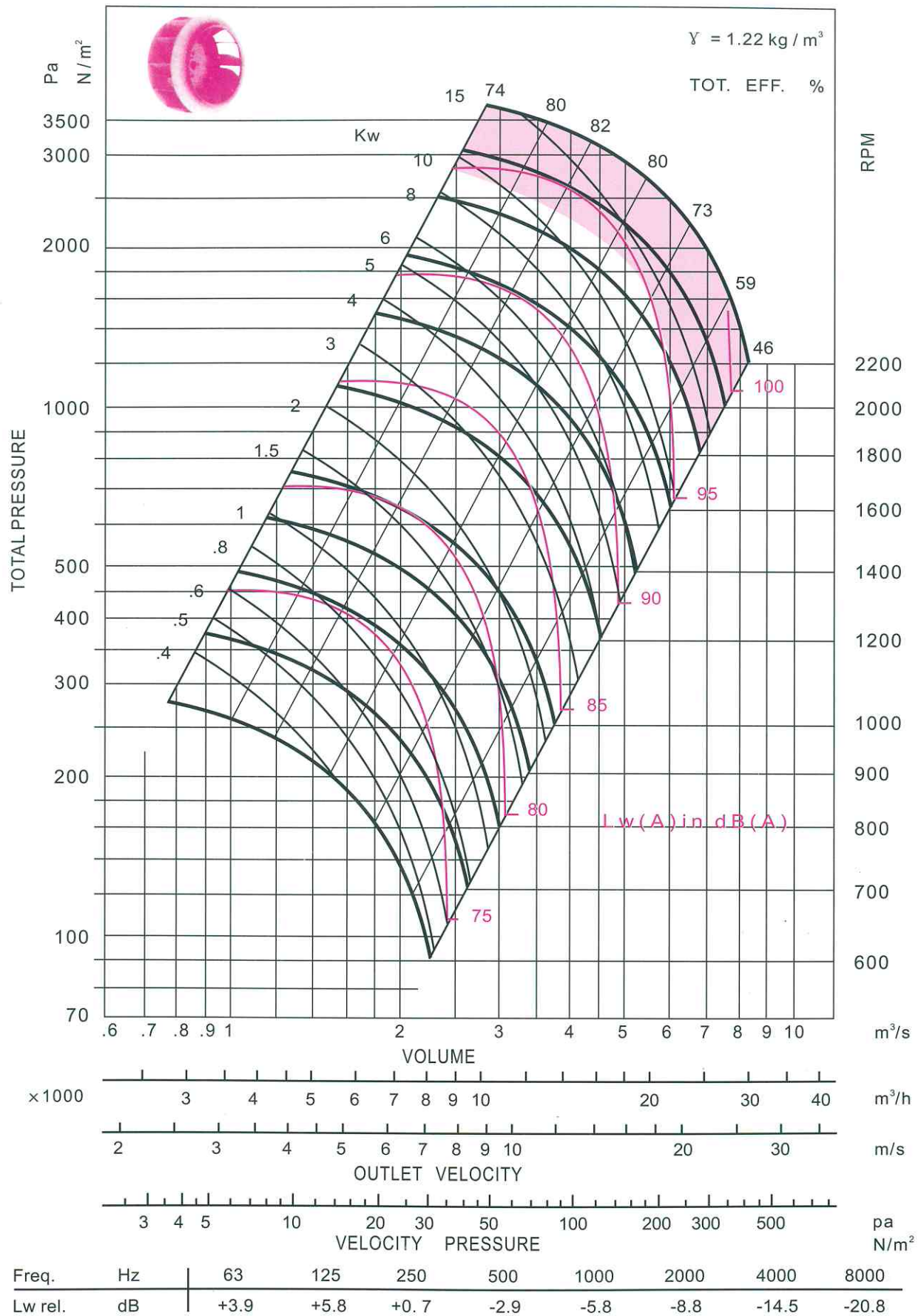




ERZ-S 630

WHEEL DIAMETER

630 mm

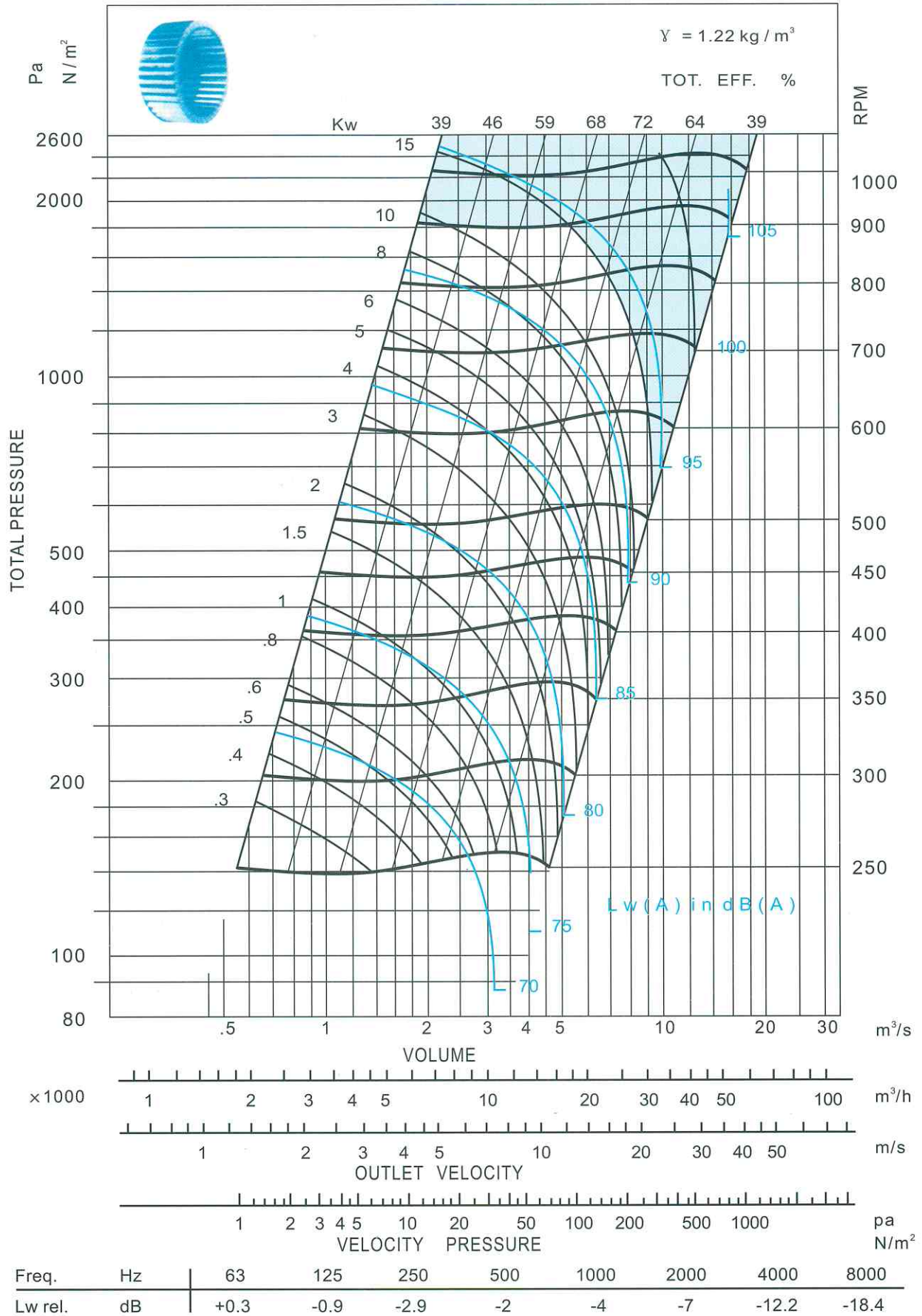




EDZ-S 710

WHEEL DIAMETER

710 mm

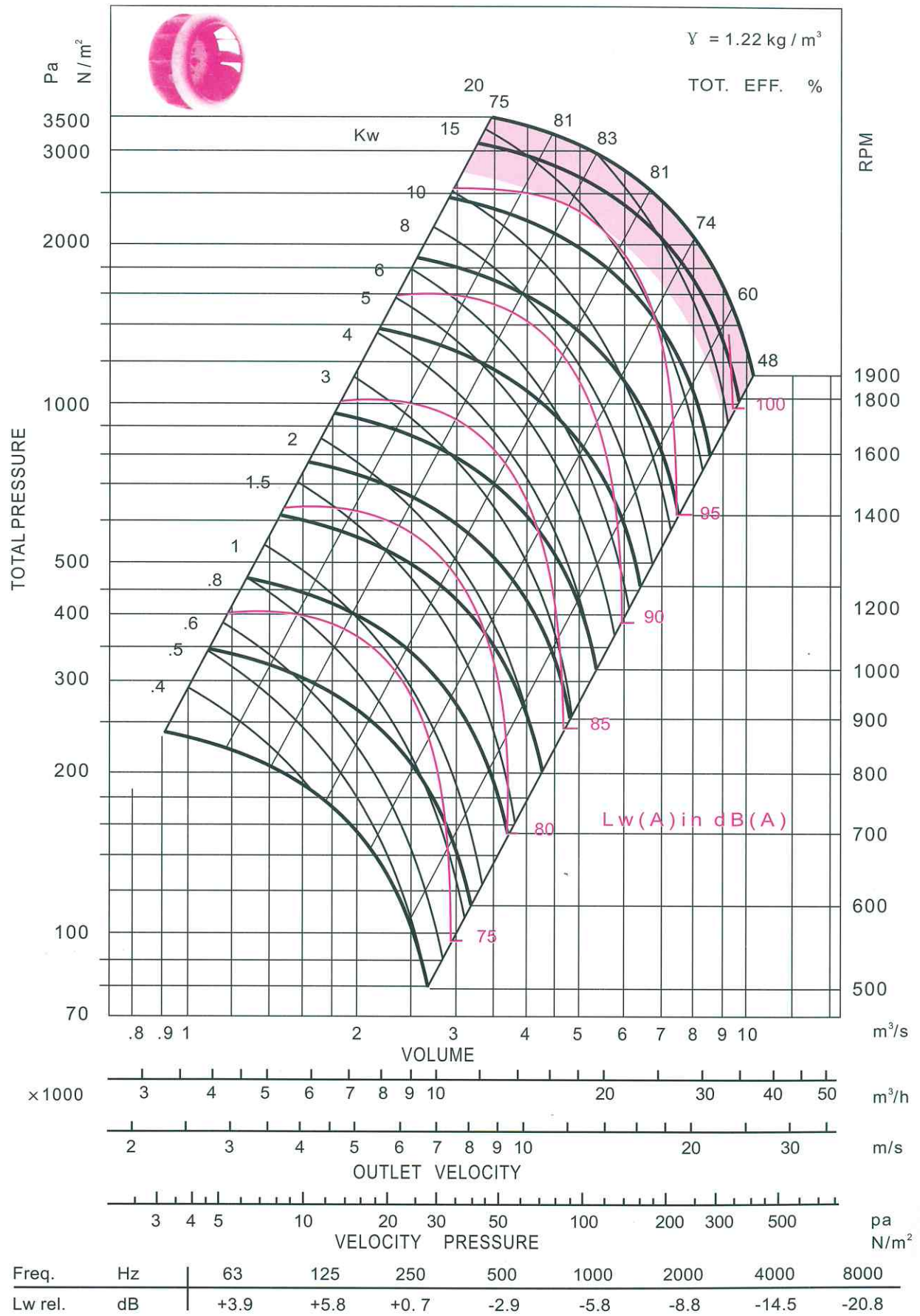




ERZ-S 710

WHEEL DIAMETER

710 mm

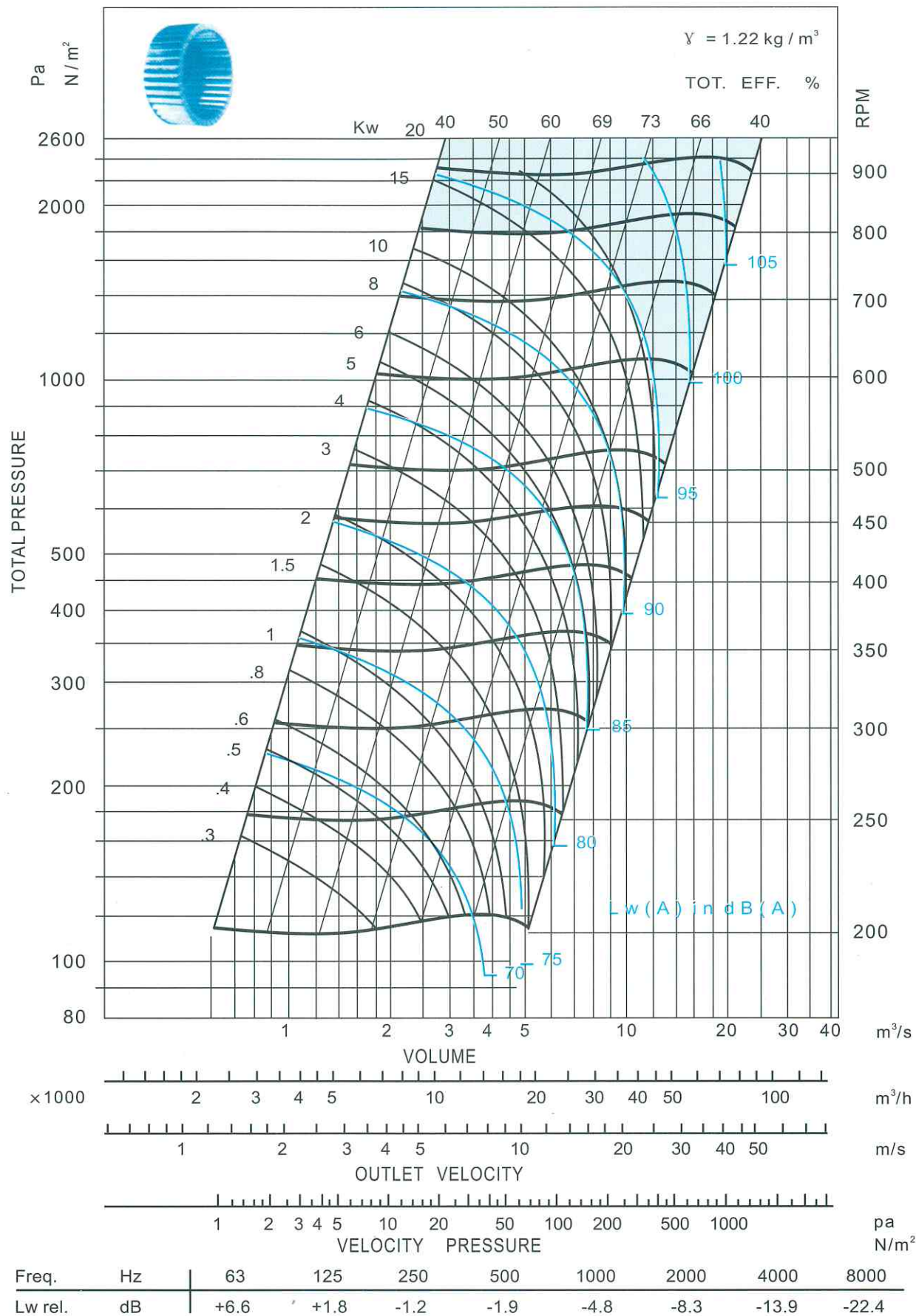




EDZ-S 800

WHEEL DIAMETER

800 mm

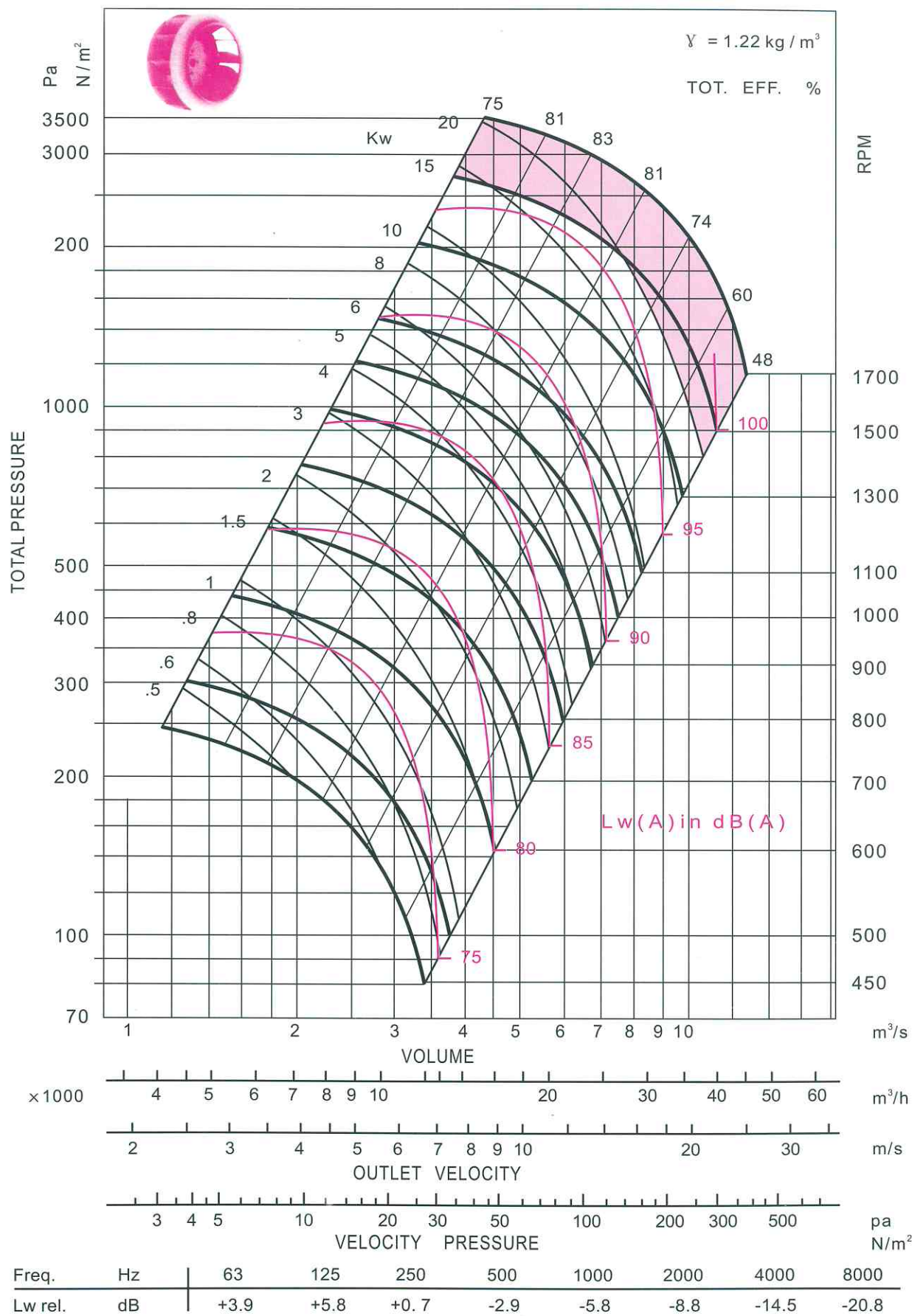




ERZ-S 800

WHEEL DIAMETER

800 mm

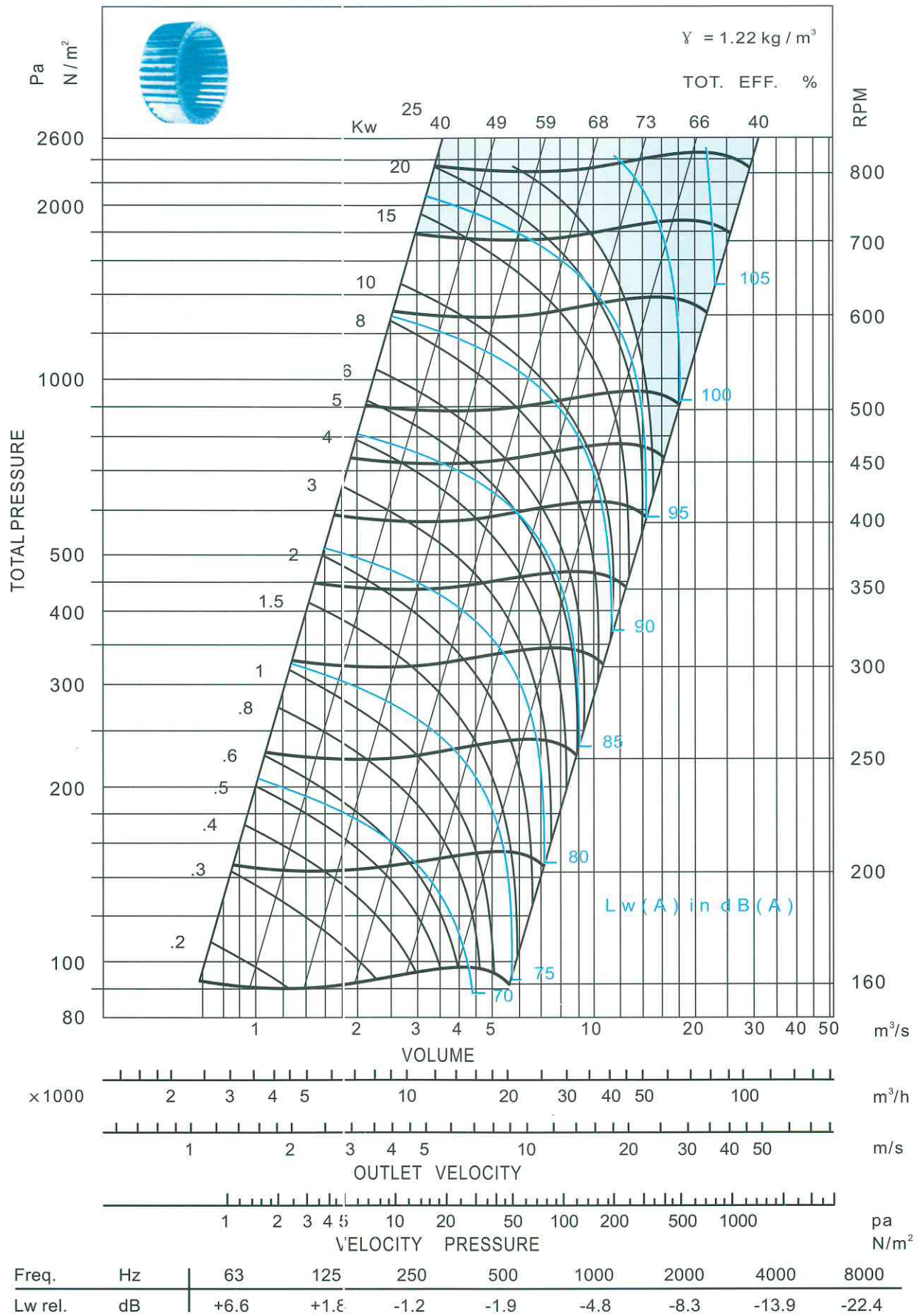




EDZ-S 900

WHEEL DIAMETER

900 mm

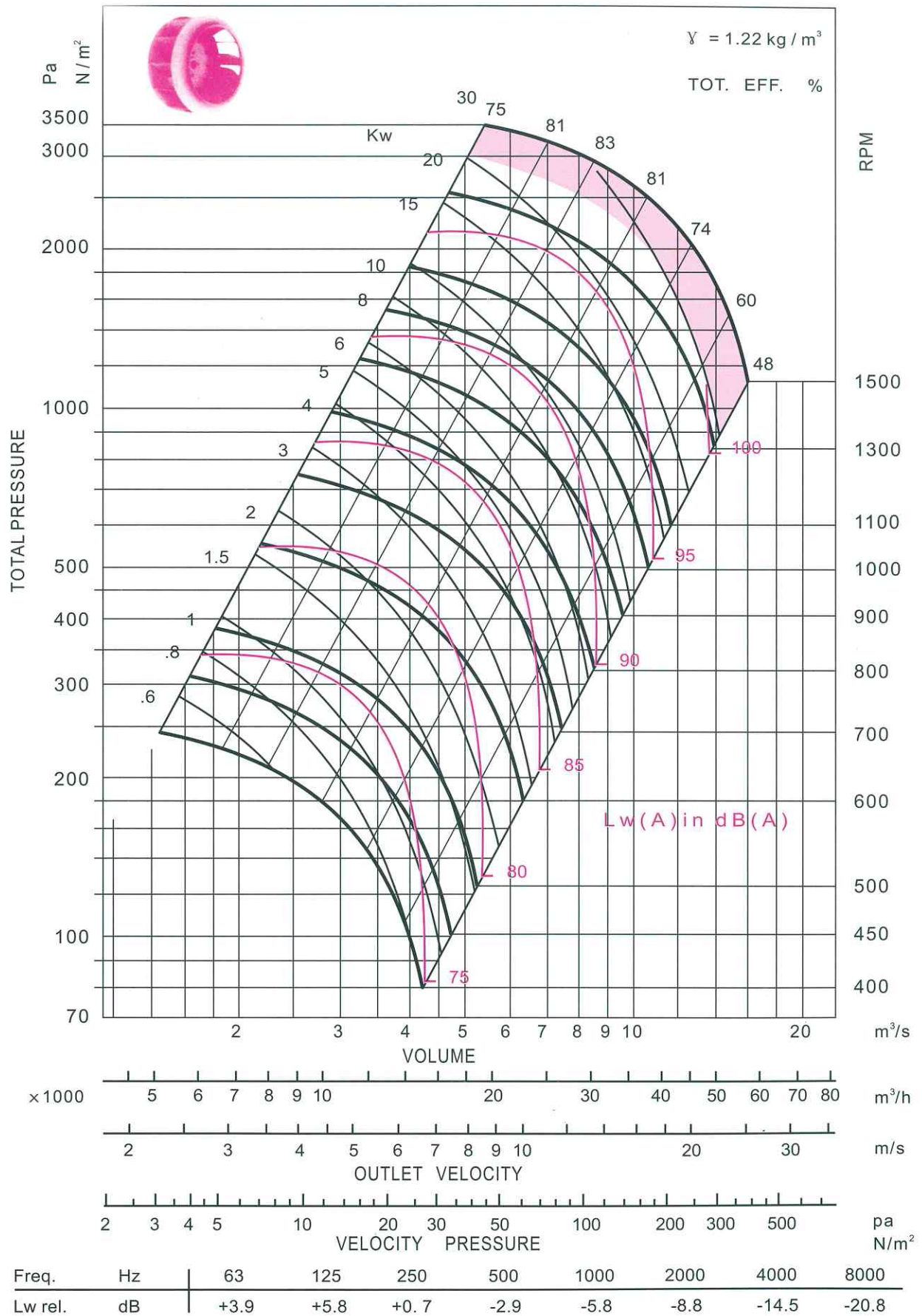




ERZ-S 900

WHEEL DIAMETER

900 mm

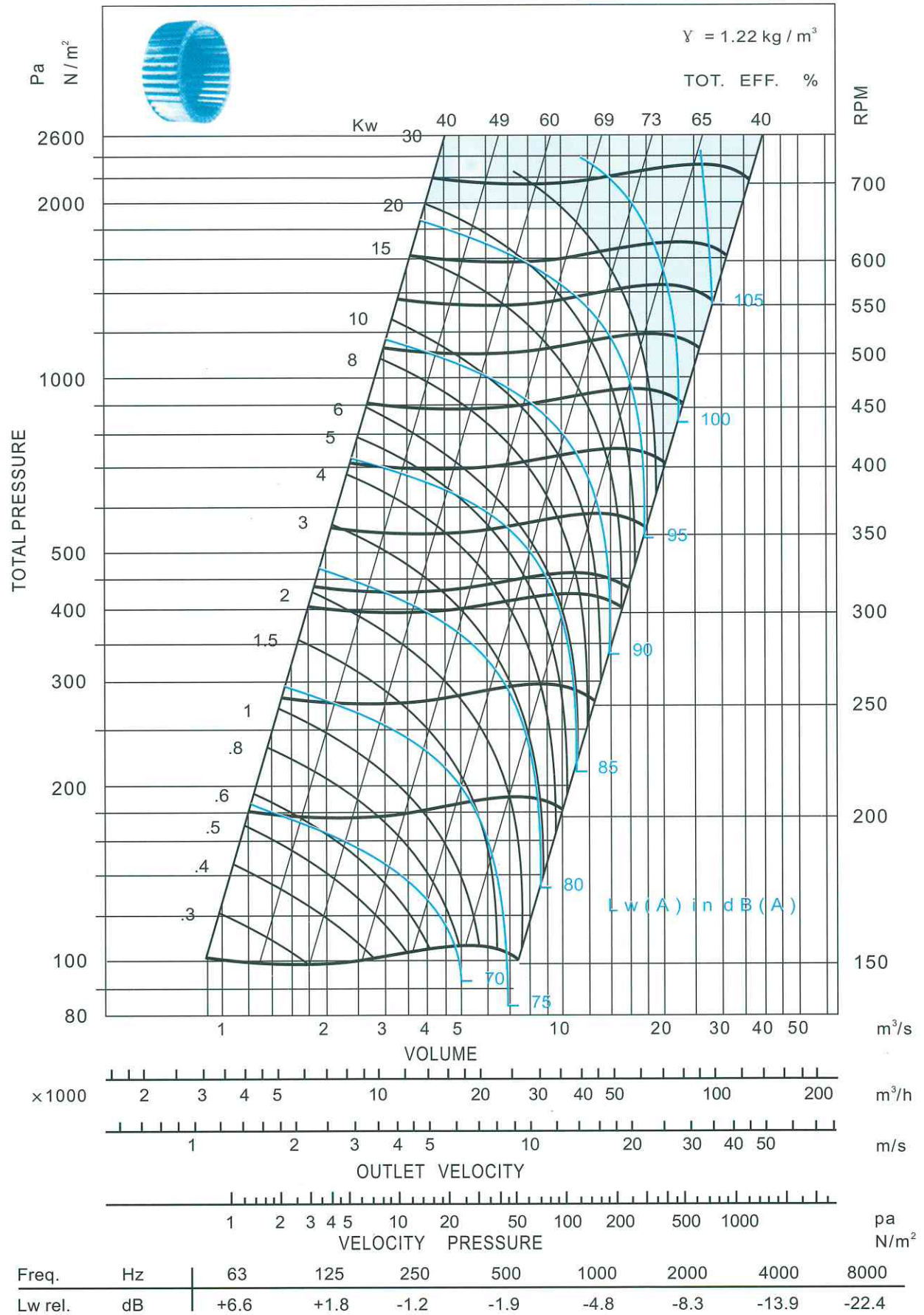




EDZ-S 1000

WHEEL DIAMETER

1000 mm

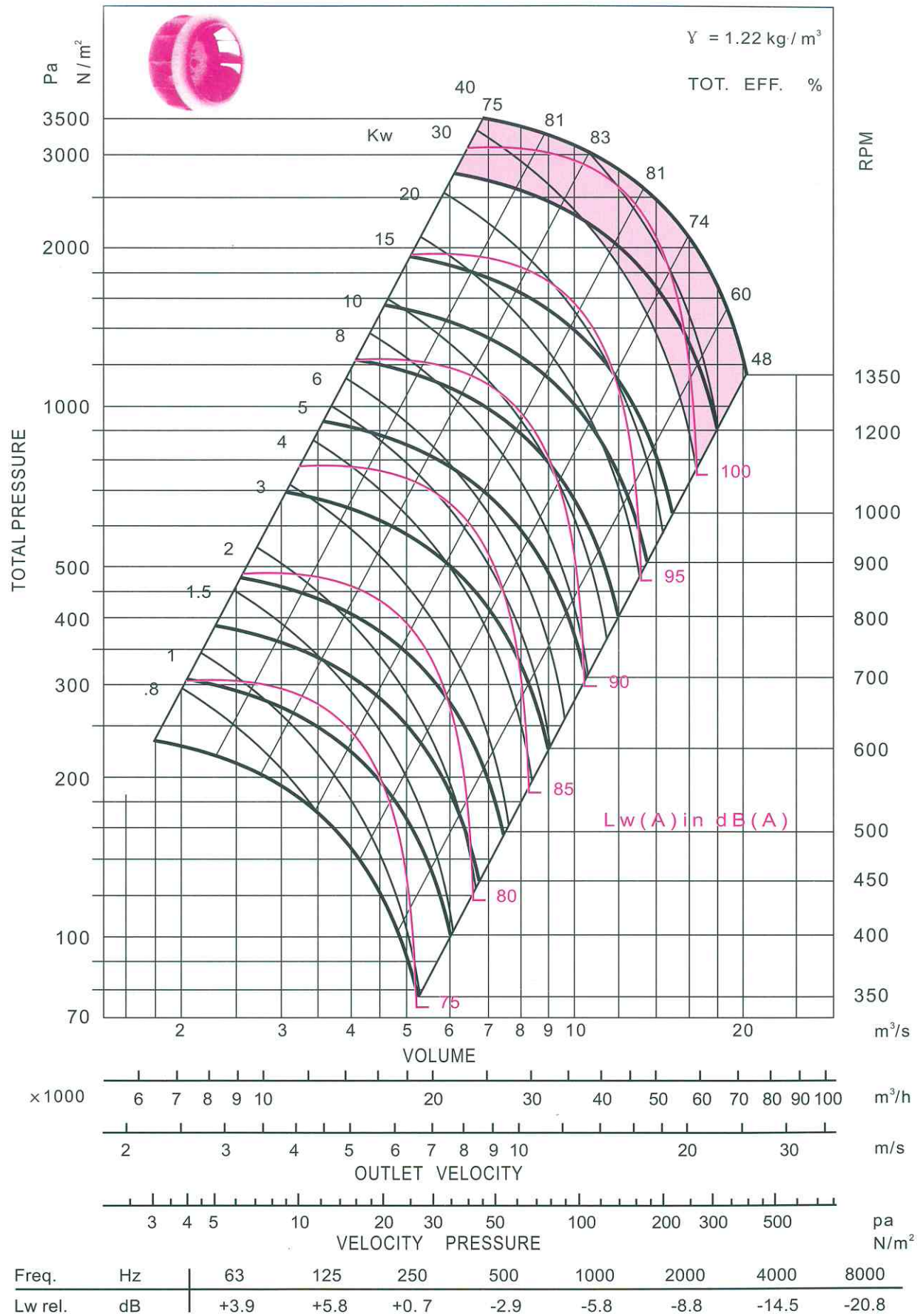




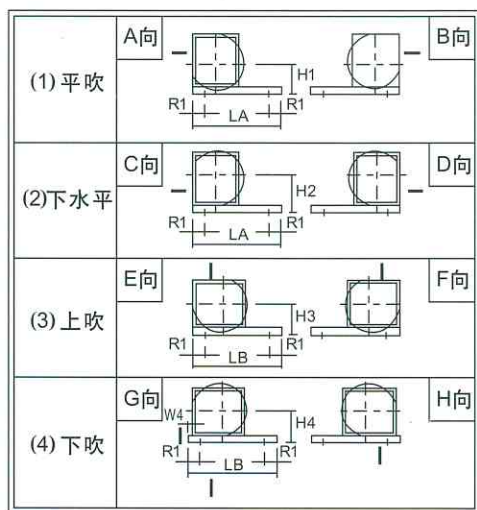
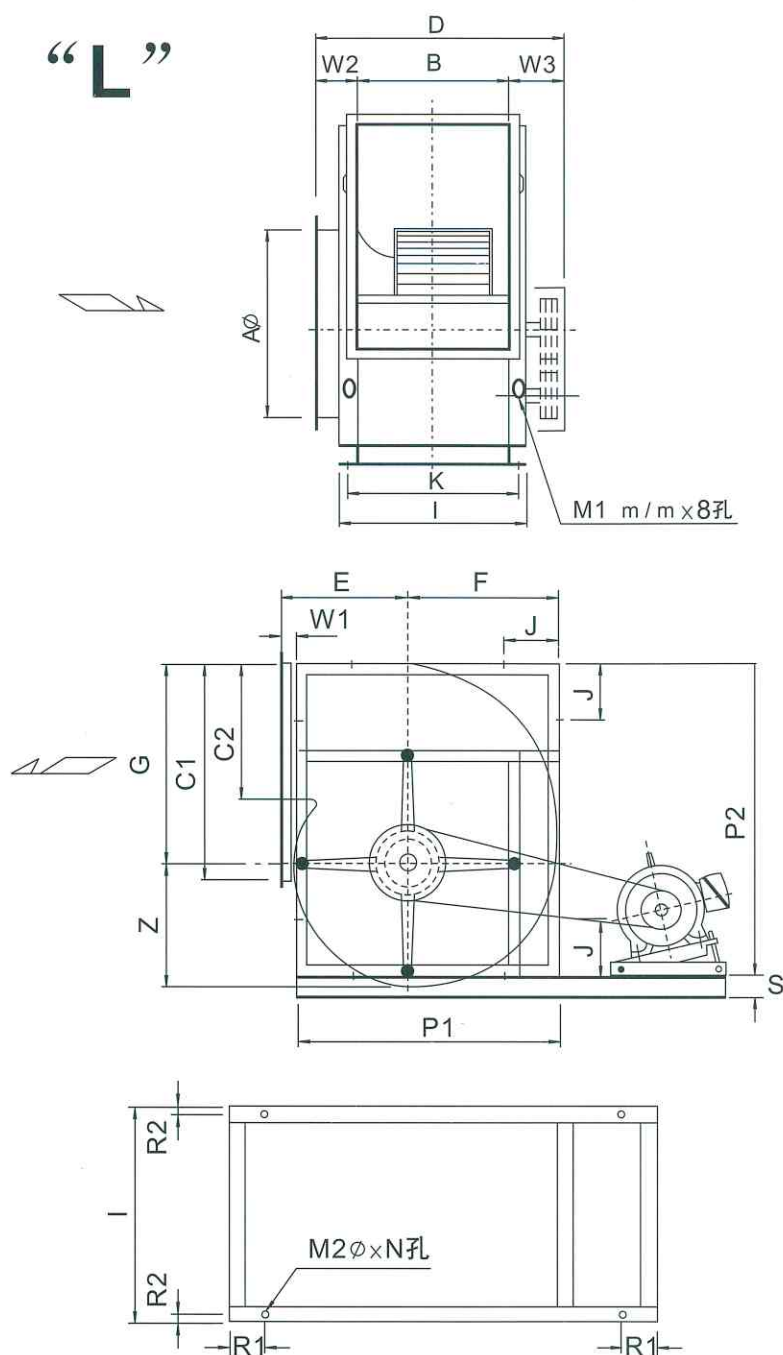
ERZ-S 1000

WHEEL DIAMETER

1000 mm



“L”



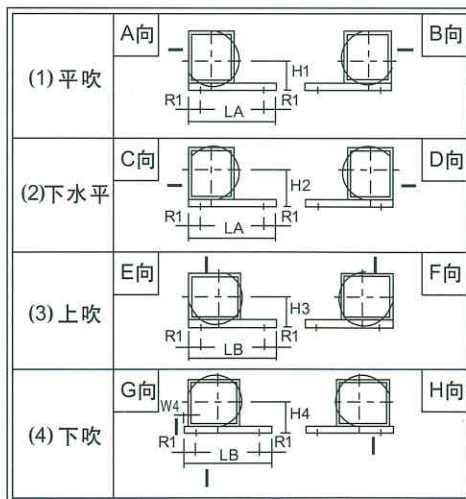
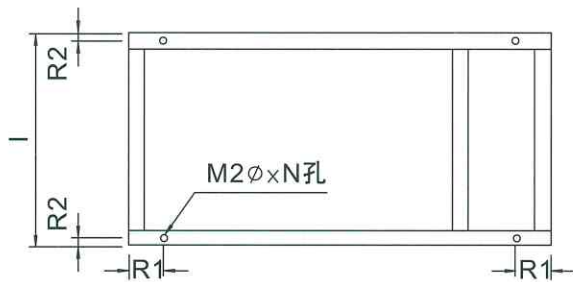
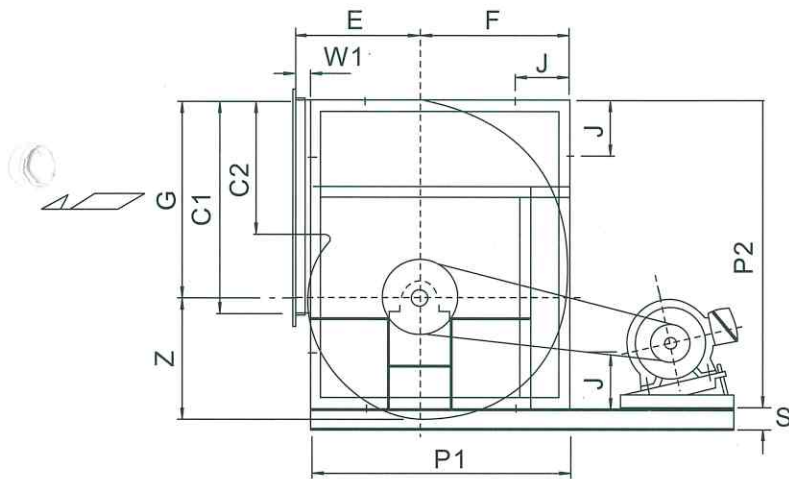
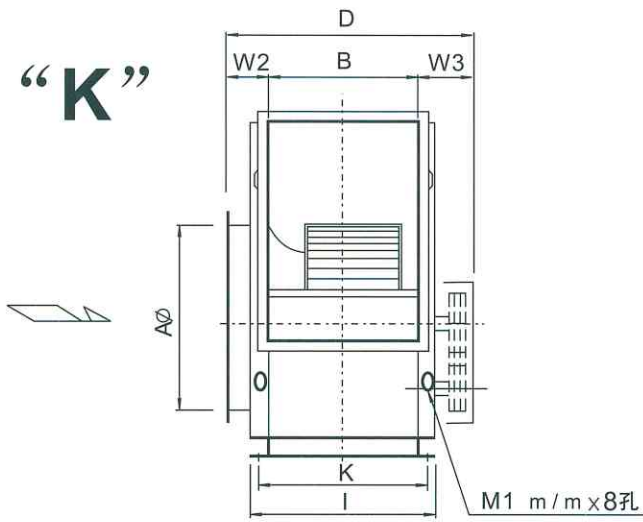
單吸皮帶式風機(馬達后放)(型二)

型式	250#	280#	315#	355#	400#	450#	500#	560#	630#	710#
Aφ	260	295	330	415	415	515	515	575	655	750
B	190	210	230	255	280	322	361	402	450	500
C1	322	361	402	450	500	570	610	715	800	898
C2	195	218	244	276	312	353	392	436	492	558
D	410	430	470	515	540	592	620	722	770	820
E	200	220	250	290	300	340	350	415	446	500
F	233	255	274	323	362	409	456	503	567	635
G	272	302	342	388	433	487	540	605	681	765
Z	200	214	240	274	301	339	374	419	467	533
I	263	283	313	333	363	405	433	485	553	603
LA	820	860	860	940	980	1060	1180	1370	1460	1590
LB	820	860	920	1000	1050	1160	1270	1470	1570	1720
H1	268	286	296	337	337	382	381	455	506	555
H2	340	370	410	456	501	562	615	680	781	865
H3	301	323	342	391	430	484	531	578	667	735
H4	243	263	297	337	337	382	382	455	506	555
J	50	50	90	90	80	80	80	80	100	100
K	228	248	273	293	323	365	393	445	503	553
M1	11 x 16	11 x 16	11 x 16	11 x 16	11 x 16	13 x 18	13 x 18	13 x 18	13 x 18	13 x 18
P1	408	450	506	592	631	716	762	883	973	1090
P2	472	520	570	657	702	794	846	985	1087	1220
W1	25	25	21	21	31	33	43.5	35	40	44.5
W2	80	80	80	80	80	80	80	100	100	100
W3	140	140	160	180	180	190	190	220	220	220
W4	35	35	40	40	40	40	40	40	50	50
R1	100	100	100	100	100	100	100	100	100	100
R2	17.5	17.5	20	20	20	20	20	20	25	25
M2	13	13	13	13	13	15	15	15	18	18
N	4	4	4	4	4	4	4	4	4	4
S	68 x 35	68 x 35	75 x 40	75 x 40	75 x 40	75 x 40	75 x 40	75 x 40	75 x 40	100 x 50
適用馬力 HP4P	0.5-3	1-3	1-5	2-10	2-10	3-10	5-20	5-20	5-30	7.5-30
重量 (kg)	40	40	45	60	60	75	100	100	170	210

※ 以上之尺寸,EDZ-S(前傾單吸)與ERZ-S(后傾單吸)共用外型尺寸

※ 以上重量不含馬達重量

“K”

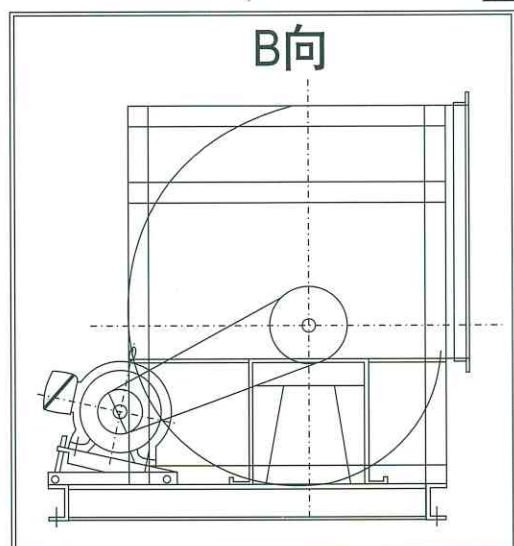
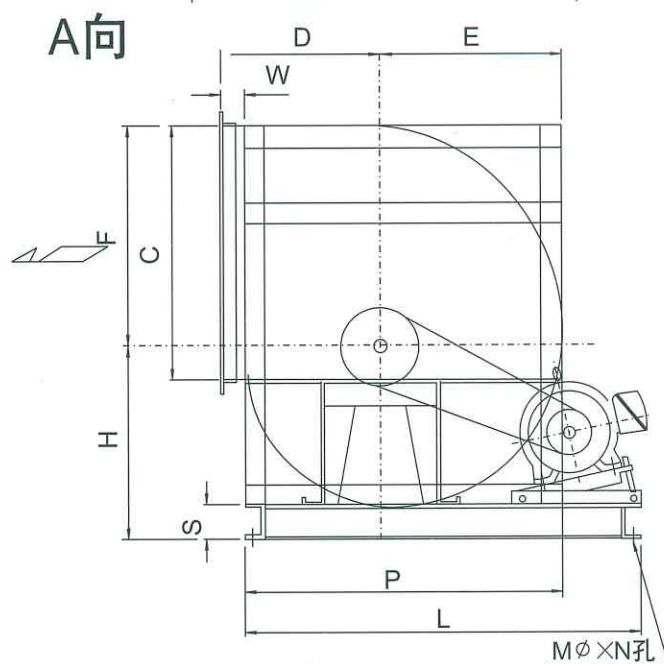
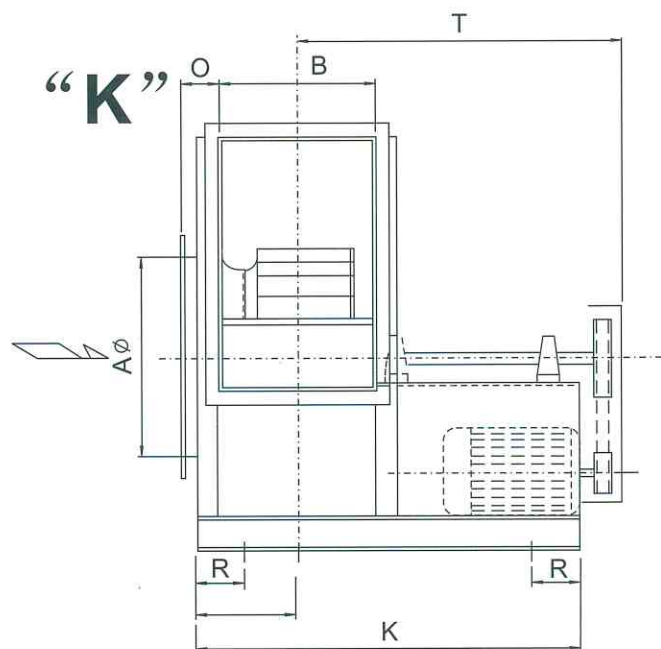


單吸皮帶式風機(馬達后放)(型二)

型式	250#	280#	315#	355#	400#	450#	500#	560#	630#	710#	800#	900#	1000#
A Ø	260	295	330	415	415	515	515	575	655	750	820	915	1020
B	190	210	230	255	280	322	361	402	450	500	570	630	700
C1	322	361	402	450	500	570	610	715	800	898	1010	1130	1267
C2	195	218	244	276	312	353	392	436	492	558	627	706	780
D	410	430	470	515	540	592	620	722	770	820	930	990	1060
E	200	220	250	290	300	340	350	415	446	500	550	610	690
F	233	255	274	323	362	409	456	503	567	635	715	810	888
G	272	302	342	388	433	487	540	605	681	765	865	972	1068
Z	200	214	240	274	301	339	374	419	467	533	600	675	742
I	263	283	313	333	363	405	433	485	553	603	673	733	803
LA	820	860	860	940	980	1060	1180	1370	1460	1590	1720	2010	2160
LB	820	860	920	1000	1050	1160	1270	1470	1570	1720	1970	2300	2460
H1	268	286	296	337	337	382	381	455	506	555	700	775	842
H2	340	370	410	456	501	562	615	680	781	865	965	1072	1168
H3	301	323	342	391	430	484	531	578	667	735	815	910	988
H4	243	263	297	337	337	382	382	455	506	555	600	650	720
J	50	50	90	90	80	80	80	80	100	100	100	100	150
K	228	248	273	293	323	365	393	445	503	553	623	683	753
M1	11 x 16	11 x 16	11 x 16	11 x 16	11 x 16	13 x 18	13 x 18	13 x 18	13 x 18	13 x 18	18	18	18
P1	408	450	506	592	631	716	762	883	973	1090	1215	1360	1508
P2	472	520	570	657	702	794	846	985	1087	1220	1465	1647	1810
W1	25	25	21	21	31	33	43.5	35	40	44.5	50	60	70
W2	80	80	80	80	80	80	80	100	100	100	120	120	120
W3	140	140	160	180	180	190	190	220	220	220	240	240	240
W4	35	35	40	40	40	40	40	40	50	50	50	50	50
R1	100	100	100	100	100	100	100	100	100	100	100	100	150
R2	17.5	17.5	20	20	20	20	20	20	25	25	25	25	25
M2	13	13	13	13	13	15	15	15	18	18	18	18	20
N	4	4	4	4	4	4	4	4	4	4	4	4	6
S	68 x 35	68 x 35	75 x 40	75 x 40	75 x 40	75 x 40	75 x 40	75 x 40	75 x 40	100 x 50	100 x 50	100 x 50	100 x 50
適用馬力	0.5-3 HP4P	1-3 HP4P	1-5 HP4P	2-10 HP4P	2-10 HP4P	3-10 HP4P	5-20 HP4P	5-20 HP4P	5-30 HP4P	7.5-30 HP4P	10-40 HP4P	10-40 HP4P	10-40 HP4P
重量 (kg)	40	40	45	60	60	75	100	100	170	210	300	360	460

※以上之尺寸,EDZ-S(前傾單吸)與ERZ-S(后傾單吸)共用外型尺寸

※以上重量不含馬達重量

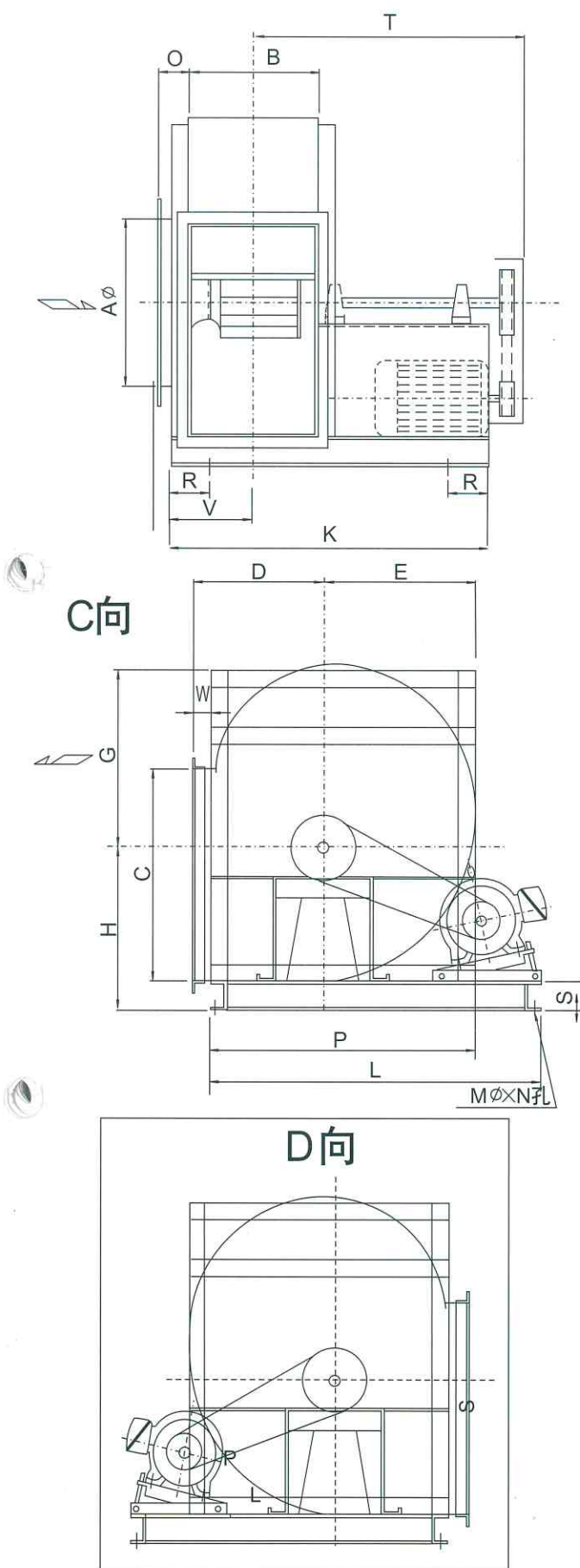


單吸皮帶式風機(型一)平吹

型式	250#	280#	315#	355#	400#	450#	500#	560#	630#	710#	800#	900#	1000#
A φ	260	295	330	415	415	515	515	575	655	750	820	915	1020
B	190	210	230	255	280	322	361	402	450	500	570	610	715
C	322	361	402	450	500	570	610	715	800	898	1010	1130	1267
D	200	220	250	290	300	340	350	415	446	500	550	610	690
E	233	255	274	232	362	409	456	503	567	635	715	810	888
F	272	302	342	388	433	487	540	605	681	765	865	972	1068
H	268	286	296	337	337	382	381	455	506	555	700	775	842
K	630	630	650	800	800	950	1050	1100	1160	1210	1300	1380	1520
L	630	630	750	840	840	950	980	1050	1180	1250	1320	1450	1600
O	80	80	80	80	80	80	80	100	100	100	120	120	120
P	408	450	506	592	631	716	762	883	973	1090	1215	1360	1508
R	100	100	100	100	100	100	100	100	100	100	100	100	150
S	68	68	75	75	75	75	75	75	75	100	100	100	100
T	580	580	575	735	730	880	960	990	1025	1040	1095	1155	1240
W	25	25	21	21	31	33	43.5	35	40	44.5	50	60	70
V	130	140	155	168	180	201	221	241	265	300	335	355	408
M φ	13	13	13	13	13	15	15	15	18	18	18	18	20
N	4	4	4	4	4	4	4	4	4	4	4	4	6
[Steel]	68 × 35	68 × 35	75 × 40	75 × 40	75 × 40	75 × 40	75 × 40	75 × 40	75 × 40	100 × 50	100 × 50	100 × 50	100 × 50
馬力 範圍	1-3 HP	1-3 HP	1-5 HP	2-10 PH	2-10 PH	3-10 PH	5-20 PH	5-20 PH	5-30 PH	7.5-30 PH	10-30 PH	10-40 PH	10-40 PH

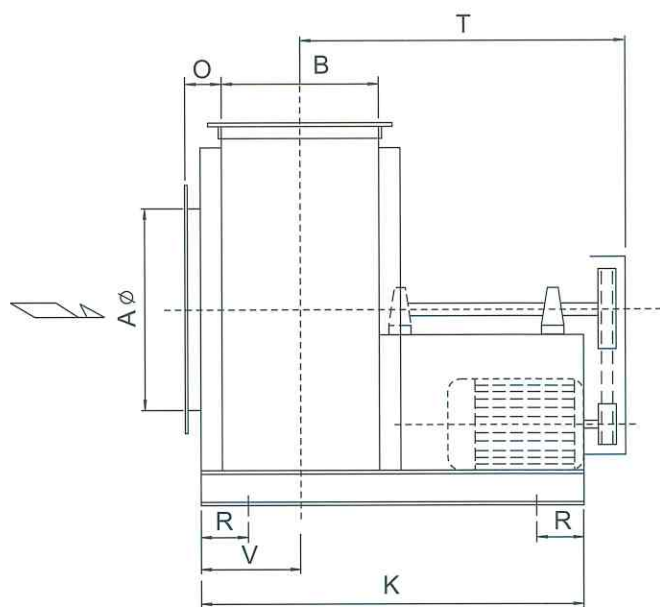
※ 以上之尺寸,EDZ-S(前傾單吸)與ERZ-S(后傾單吸)共用
外型尺寸

單吸皮帶式風機(型一)下水平

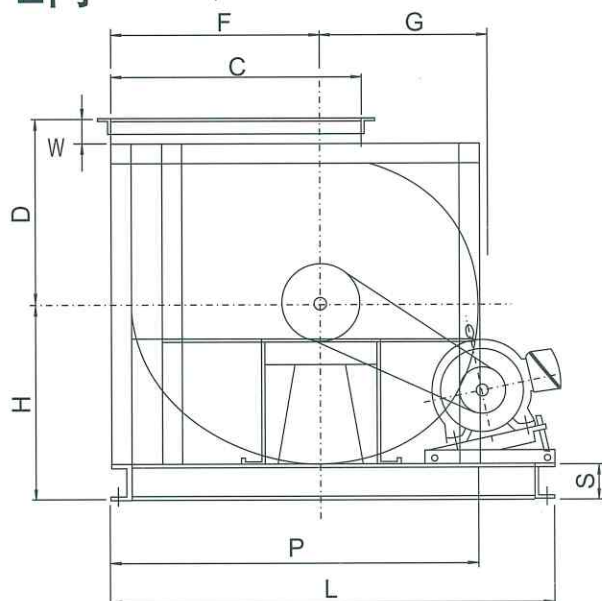


型 式	250#	280#	315#	355#	400#	450#	500#	560#	630#	710#	800#	900#	1000#
A Ø	260	295	330	415	415	515	515	575	655	750	820	915	1020
B	190	210	230	255	280	322	361	402	450	500	570	610	715
C	322	361	402	450	500	570	610	715	800	898	1010	1130	1267
D	200	220	250	290	300	340	350	415	446	500	550	610	690
E	233	255	274	232	362	409	456	503	567	635	715	810	888
G	200	214	240	274	301	339	374	419	467	533	600	675	742
H	340	370	410	456	501	562	615	680	781	865	965	1072	1168
K	630	630	650	800	800	950	1050	1100	1160	1210	1300	1380	1520
L	630	630	750	840	840	950	980	1050	1180	1250	1320	1450	1600
O	80	80	80	80	80	80	80	100	100	100	120	120	120
P	408	450	506	592	631	716	762	883	973	1090	1215	1360	1508
R	100	100	100	100	100	100	100	100	100	100	100	100	150
S	68	68	75	75	75	75	75	75	75	100	100	100	100
T	580	580	575	735	730	880	960	990	1025	1040	1095	1155	1240
W	25	25	21	21	31	33	43.5	35	40	44.5	50	60	70
V	130	140	155	168	180	201	221	241	265	300	335	355	408
M Ø	13	13	13	13	13	15	15	15	18	18	18	18	20
N	4	4	4	4	4	4	4	4	4	4	4	4	6
[Steel] ×	68 35	68 35	75 40	75 40	75 40	75 40	75 40	75 40	75 40	100 50	100 50	100 50	100 50
馬力 範圍	1-3 HP	1-3 HP	1-5 HP	2-10 PH	2-10 PH	3-10 PH	5-20 PH	5-20 PH	5-30 PH	7.5-30 PH	10-30 PH	10-40 PH	10-40 PH

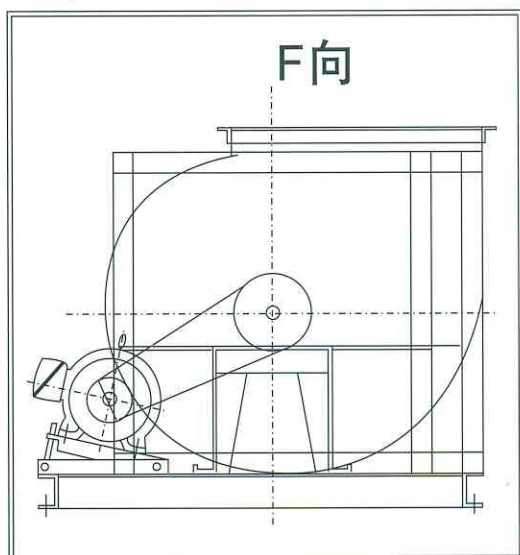
※ 以上之尺寸,EDZ-S(前傾單吸)與ERZ-S(后傾單吸)共用
外型尺寸



E向



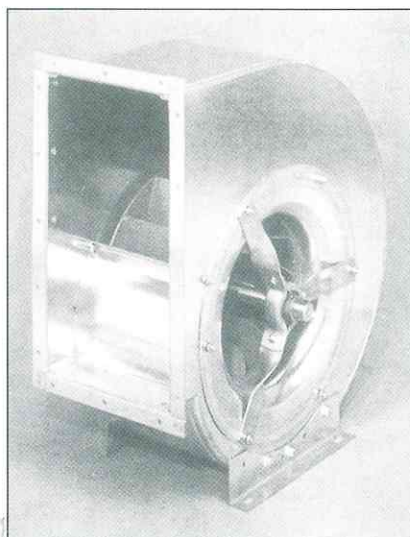
F向



單吸皮帶式風機(型一)上吹

型 式	250#	280#	315#	355#	400#	450#	500#	560#	630#	710#	800#	900#	1000#
A Ø	260	295	330	415	415	515	515	575	655	750	820	915	1020
B	190	210	230	255	280	322	361	402	450	500	570	610	715
C	322	361	402	450	500	570	610	715	800	898	1010	1130	1267
D	200	220	250	290	300	340	350	415	446	500	550	610	690
F	272	302	342	388	433	487	540	605	681	765	865	972	1068
G	200	214	240	274	301	339	374	419	467	533	600	675	742
H	301	323	342	391	430	484	531	578	667	735	815	910	988
K	630	630	650	800	800	950	1050	1100	1160	1210	1300	1380	1520
L	735	735	860	1000	1000	1130	1205	1270	1450	1560	1685	1870	2050
O	80	80	80	80	80	80	80	100	100	100	120	120	120
P	472	520	570	657	702	794	846	985	1087	1220	1465	1647	1810
R	100	100	100	100	100	100	100	100	100	100	100	100	150
S	68	68	75	75	75	75	75	75	75	100	100	100	100
T	580	580	575	735	730	880	960	990	1025	1040	1095	1155	1240
W	25	25	21	21	31	33	43.5	35	40	44.5	50	60	70
V	130	140	155	168	180	201	221	241	265	300	335	355	408
M Ø	13	13	13	13	13	15	15	15	18	18	18	18	20
N	4	4	4	4	4	4	4	4	4	4	4	4	6
[Steel]	68 × 35	68 × 35	75 × 40	75 × 40	75 × 40	75 × 40	75 × 40	75 × 40	75 × 40	100 × 50	100 × 50	100 × 50	100 × 50
馬 力 範 圍	1-3 HP	1-3 HP	1-5 HP	2-10 PH	2-10 PH	3-10 PH	5-20 PH	5-20 PH	5-30 PH	7.5-30 PH	10-30 PH	10-40 PH	10-40 PH

※ 以上之尺寸,EDZ-S(前傾單吸)與ERZ-S(后傾單吸)共用
外型尺寸



SIMPLEX “L”

This series of fans in EDZ-S and ERZ-S version is supplied without a stiffening framework for a more economical fan but with sufficient strength for the application.

They are manufactured up to 630 mm and can be mounted in three different discharge positions.

For sizes ERZ-S 200 and 225, wheels are manufactured in polyamide.

This series of fans is supplied without accessories.

Accessories such as inlet and outlet flange, mounting feet can be supplied on request.

NOTE: The rotation of the single inlet fans is determined by looking at the fan from the motor side, i.e. drive side.

RD-Right rotation (clockwise)

LG-Left rotation (anti-clockwise)

The fan orientation both “180” CW and CCW (RD or LG), can only be supplied without discharge flange.

SIMPLEX “L”

不論EDZ-S或 ERZ-S的這類系列風機都沒有剛筭框架，以使風機更經濟，但在實際應用中其強度是足夠的。

這類風機尺寸可達630MM，並且排氣位置可安裝成三個不同的方向。

對ERZ-S系列，尺寸200和225的風機，其葉輪是用聚酰胺制作的。

這類系列的風機供貨時不帶附件。

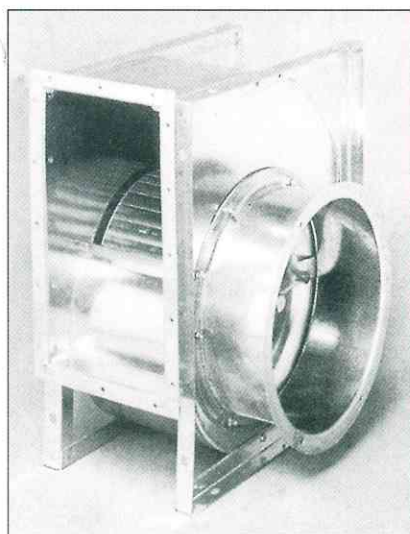
根據需要可提供的附件有：進、出口法蘭、安裝支架等。

注意：單進口風機旋轉方向是從電機側（即傳動側）看風機的。

RD—右旋（順時針）

LG—左旋（逆時針）

僅方向為180°的風機，無論CW或CCW（順時針或逆時針）均不帶排氣口法蘭。



CUBIK “R”

This series of fans up to 630 mm has the identical construction to a simplex series with the addition of an “L” shape frame in galvanised steel making the fan stronger in construction and suitable for use in 4 different outlet positions.

Accessories such as inlet and outlet flange can be supplied on request.

NOTE: The rotation of the single inlet fans is determined by looking at the fan from the motor side, i.e. drive side.

RD-Right rotation (clockwise)

LG-Left rotation (anti-clockwise)

The fan orientation 180, both CW and CCW (RD or LG), can only be supplied without discharge flange.

CUBIK “R”

這種系列的風機與SIMPLEX “L” 型結構一樣，尺寸為630MM以下，僅增加了用鍍鋅鋼板制作的“L”形框架，以增加風機結構強度和適應於4個不同的排氣位置。

根據需要可提供進、出口法蘭等配件。

注意：單進口風機旋轉方向是從電機側（即傳動側）看風機的。

Rd—右旋（順時針）

Lg—左旋（逆時針）

僅方向為180°的風機，無論CW或CCW（順時針或逆時針）均不帶排氣口法蘭。



CUBIK “K”

This series of fans continues from the previous series i.e. 710 mm upwards. They are structurally strengthened and are manufactured complete with pillow block bearings.

The structure allows for the inclusion of the inlet flange and operational limits are much higher.

Accessories such as outlet flange can be supplied on request.

NOTE: The rotation of single inlet fans is determined by looking at the fan from the motor side, i.e. drive side.

RD-Right rotation (clockwise)

LG-Left rotation (anti-clockwise)

The fan orientation “180”, both CW and CCW (RD or LG), can only be supplied without discharge flange.

CUBIK “K”

這種系列的風機是連續前面的系列的，其尺寸為710mm及以上。

它們的結構更加加強了，並且全部用座架軸承。

這種結構包括進口法蘭，並且使用極限也擴大了。

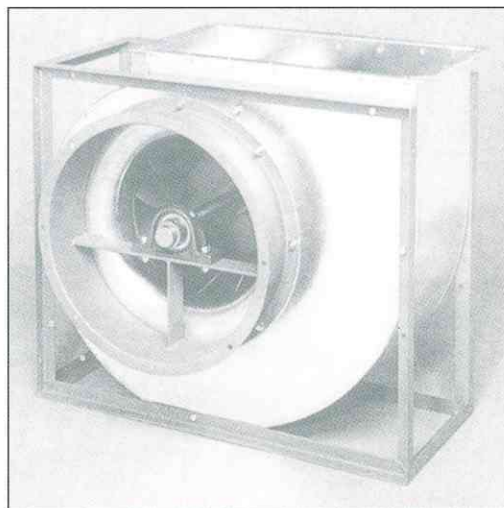
根據需要可提供出口法蘭等配件。

注意：單進口風機旋轉方向是從電機側（傳動側）看風機的。

RD—右旋（順時針）

LG—左旋（逆時針）

方向為180°的風機，無論CW或CCW（順時針或逆時針）均不帶排氣口法蘭。



TAUNUS “T”

This series of fans is manufactured with a special frame which allows the housing to be mounted in different aspects therefore giving varying outlet positions.

The two bearings are fixed on a lateral support of the fan and are external to the air flow eliminating any obstruction on the inlet and allowing operation with air temperatures up to a maximum of 180 deg. Centigrade.

This series of fans is supplied complete with inlet and outlet flange.

NOTE: The rotation of single inlet fans is determined by looking at the fan from the motor side, i.e. drive side.

RD-Right rotation (clockwise)

LG-Left rotation (anti-clockwise)

The fan orientation “180”, both CW and CCW (RD or LG), can only be supplied without discharge flange.

TAUNUS “T”

這種系列的風機有一特殊框架，以使外殼安裝在不同的方向上，因此排氣的位置也不同。兩個軸承安裝在風機側面的支撐架上，並在氣流之外，從而消除了風機進口處的各種障礙。運行時空氣溫度可高達180℃。

這種系列的風機可完全提供進出口法蘭。

注意：這種單進口風機旋轉方向是從電機側（即傳動側）看風機的。

RD—右旋（順時針）

LG—左旋（逆時針）

方向為180°的風機，無論CW或CCW（順時針或逆時針）均不帶排氣口法蘭。

“EDZ-S” fans operational limits 《EDZ-S》風機運行極限

		250	280	315	355	400	450	500	560	630	710	800	900	1000
Max. absorbed power at fan shaft 風機軸上最大吸收功率	L-R	kw	4.5	4.5	5	6.3	6.3	8	8	10	13			
	K	kw									15	20		30
	T	kw		5	6.3	6.3	8	8	10	13	15	20		30
	L-R		3000	2700	2400	2100	1900	1600	1300	1200	1100			
Wheel: max.R.P.M 葉輪: 最大轉速	K										900	800	700	650
	T			2400	2100	1900	1600	1300	1200	1100	900	800	700	650
Diameter 直徑		mm.	250	280	315	355	400	450	500	560	630	710	800	900
PD ²		Kg m ²	0.06	0.1	0.175	0.39	0.685	1.05	1.6	2.565	4.075	6.5	10.15	15.5
Air temperature limits min. -20°C 空氣溫度極限: 最低 -20°C	L-R	max	85	85	85	85	85	85	85	85	85			
	K	max									100	100	100	100
	T	max		180	180	180	180	180	180	180	180	180	180	180
Fan weight 風機重量	L	Kg.	9	11.5	13.6	17.2	24	31	39	49	63			
	R	Kg.	12	15	17.5	21.9	29	37.5	47	60	75.5			
	K	Kg.									161	202	245	276
	T	Kg.		22.5	30	38.5	50.5	62	77	94	181	224	270	306

“ERZ-S” fans operational limits 《ERZ-S》風機運行極限

		250	280	315	355	400	450	500	560	630	710	800	900	1000
Max. absorbed power at fan shaft 風機軸上最大吸收功率	L-R	kw	3	3	4	5	6	8	8	11	13			
	K	kw									20	20	30	30
	T	kw												
				4	5	6	8	8	11	13	20	20	30	30
Wheel: max.R.P.M 葉輪: 最大轉速	L-R		5600	4500	4000	3600	3000	2600	2400	2200	1900			
	K										1700	1500	1400	1200
	T													
					4000	3600	2600	2400	2200	1900	1700	1500	1400	1200
Wheel 葉輪	Diameter 直徑		250	280	315	355	400	450	500	560	630	710	800	900
	PD ²													
Air temperature limits min. -20℃ 空氣溫度極限: 最低 -20℃	L-R	max	85	85	85	85	85	85	85	85				
	K	max									100	100	100	100
	T	max												
Fan weight 風機重量	L	Kg.	11	14.5	17.5	23	29	39	49	60	75			
	R	Kg.	14	18	21.4	27.7	34	45.5	57	71	87.5			
	K	Kg.										192	234	289
	T	Kg.												



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