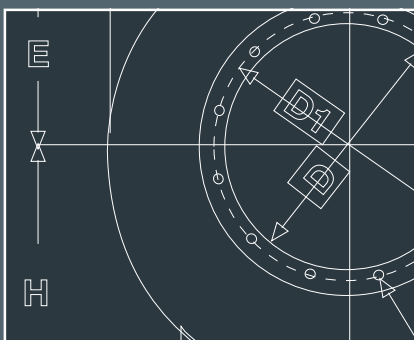
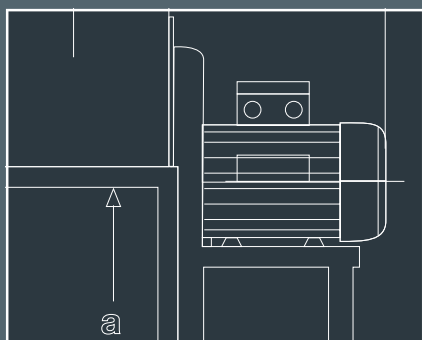
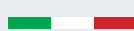


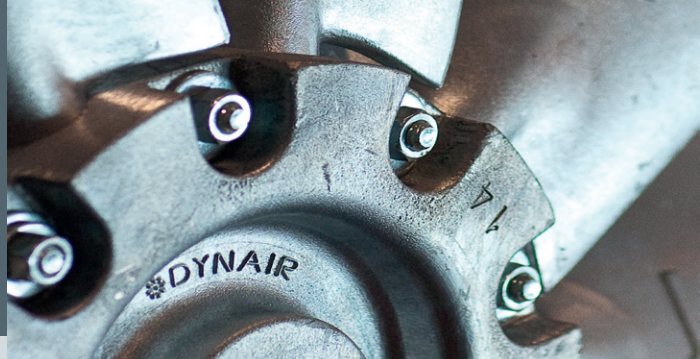
VENTILATORI CENTRIFUGHI PALE ROVESCE

Backward curved blade centrifugal fans



DYNAIR[®]
INDUSTRIAL VENTILATION

 La ventilazione made in Italy



DYNAIR® è la divisione industriale di Maico Italia S.p.A. e un marchio affermato a livello mondiale nel settore della ventilazione industriale ed impiantistica. Competenza tecnologica, elevata capacità produttiva, decisa politica di ricerca e di investimento unite ad un servizio di supporto personalizzato focalizzato sulle esigenze del cliente sono, da più di 30 anni, le qualità che contraddistinguono la nostra offerta: un'eccellenza italiana oggi riconosciuta in tutto il mondo e una realtà industriale forte della sua appartenenza a Maico Holding GmbH, gruppo tedesco leader nel campo della ventilazione.

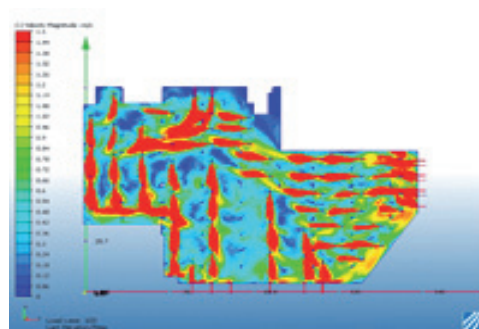
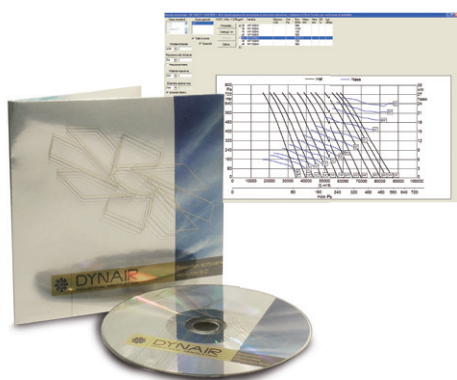
***DYNAIR®** is the industrial division of Maico Italia S.p.A. and is a well-known brand name at global level in the industrial ventilation and plant engineering sector. Technological expertise, high production capacities, strong research and investment policies together with a personalised back-up service 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.*

Esperienza e tecnologia a vostro servizio

Experience and high technology at your service

L'offerta DYNAIR® risponde alle richieste di un mercato in continua evoluzione ed è per questo che uno dei nostri punti di forza consiste nel seguire passo per passo lo sviluppo di un progetto in stretta collaborazione con il cliente, proponendo **soluzioni personalizzate e tecnicamente di avanguardia**.

*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**.*



Il software di selezione **BLOWDYN** consente di individuare in modo semplice e veloce il prodotto DYNAIR® più idoneo per realizzare qualsiasi installazione di ventilazione.

***BLOWDYN** is the fan selection software that allows to select the most suitable product for any ventilation project*

I nostri ingegneri si avvalgono dell'esperienza maturata negli anni, dell'assistenza dell'Ufficio Tecnico e di un supporto tecnologicamente evoluto come il **Software CFD** (Computational Fluid Dynamics) in grado di simulare tutte le variabili fluido-dinamiche e quindi le condizioni di impiego di un impianto di ventilazione.

*The consolidated experience in product application of our Engineers is supported by the high-skilled assistance of the technical department and by advanced technological means such as the **CFD software**, designed to elaborate all fluid dynamic variables and simulate the real working conditions of any ventilation system.*



Versioni / Versions



Versioni antideflagranti a norme ATEX

Explosion-proof versions
according to ATEX directive



Versioni alta temperatura per estrazioni fumi di incendio

High Temperature versions
for smoke extraction in case of fire



Versioni per alta temperatura con funzionamento in continuo

High Temperature versions
for continuous running

Ventilatori centrifughi pale rovesce

Backward curved blade centrifugal fans



PR-Q

pag. 4

Ventilatori centrifughi pale rovesce per
aria pulita o leggermente polverosa
*Backward curved blade centrifugal fans
for clean and slightly dusty air*

Accessori / Accessories - PR-Q

pag. 9



PR-L

pag. 11

Ventilatori centrifughi pale rovesce per
aria pulita e leggermente polverosa
*Backward curved blade
centrifugal fans for clean or slightly dusty air*



PS-L

pag. 29

Ventilatori centrifughi
pale rovesce per aria polverosa
*Backward curved blade
centrifugal fans for dusty air*



PV-L

pag. 45

Ventilatori centrifughi
pale rovesce per aria polverosa
*Backward curved blade
centrifugal fans for dusty air*



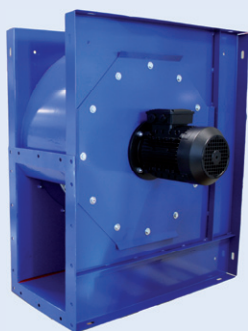
PQ-L

pag. 48

Ventilatori centrifughi pale rovesce
Backward curved blade centrifugal fans

> PR-Q

Ventilatori centrifughi pale rovesce a telaio quadro per aria pulita o leggermente polverosa
Backward curved blade square frame centrifugal fans for clean and slightly dusty air



Versioni / *Versions:*



DESCRIZIONE GENERALE

I ventilatori della serie PR-Q trovano la loro principale applicazione negli impianti civili e industriali di condizionamento, ventilazione, riscaldamento e filtrazione. Possono convogliare aria pulita e fumi leggermente polverosi con temperatura max di 100°C nella configurazione standard. Disponibile nella versione AT-2V con costruzione speciale alta temperatura adatta al trasporto di aria fino a 200°C in funzionamento continuo (S1) e 2 velocità regolabili attraverso commutatore stella/triangolo.

E' inoltre disponibile una versione HT-2V adatta allo smaltimento di fumo e calore in caso di incendio (funzionamento S2), testata F400 secondo la normativa di riferimento EN12101-3: vedere sezione 11 dedicata.

La caratteristica peculiare della serie PR-Q è la costruzione quadrangolare, grazie alla quale è possibile ottenere quattro orientamenti (0°-90°-180°-270°) con lo stesso ventilatore e con un ingombro limitato grazie all'eliminazione della sedia porta motore.

COSTRUZIONE

- Cassa a spirale con fiancate quadrangolari, costruzione saldata e rinforzata; realizzata in lamiera d'acciaio e protetta contro gli agenti atmosferici con vernici a polveri epossipoliestiriche.
- Bocche premente e aspirante realizzate secondo norme UNI EN ISO 13351
- Girante a semplice aspirazione, con pale rovesce curve ad alto rendimento aerale, realizzata in lamiera di acciaio, mozzo in acciaio e zincata elettroliticamente.
- Esecuzione 5 (accoppiamento diretto con girante a sbalzo su motore flangiato), rotazione RD.
- Motore asincrono trifase o monofase a norme internazionali IEC 60034, IEC 60072, EMC 2004/108/CE, LVD 2006/95/CE e marcato CE IP55, classe F, idonei ad un servizio S1 (funzionamento continuo a carico costante).

ACCESSORI (pag 9)

- Rete di protezione per bocche aspirante e premente realizzata a norma UNI 12499 e protetta contro gli agenti atmosferici.
- Giunto antivibrante bocca aspirante e premente
- Contro flangia bocca aspirante e premente
- Supporti antivibranti
- Regolatori di velocità ad autotrasformatore o inverter

GENERAL DESCRIPTION

The fans of the PR-Q series find their main application in commercial and industrial plants of air-conditioning, ventilation, heating and filtering; They are suitable for conveying clean or slightly dusty air, up to a maximum temperature of 100°C in the standard version.

The fans are available in version AT-2V with special construction for conveying air up to a maximum temperature of 200°C in continuous (S1) and 2 speed suitable to delta/star switching.

A version for fire smoke extraction is also available (version HT-2V), S2 operation, tested F400 according to EN12101-3: see dedicated catalogue section nr 11.

The main characteristic of the SQ series is the quadrangular construction, which allows to obtain

four orientations (0°-90°-180°-270°) with the same fan. The dimensions are reduced thanks to the absence of the motor support.

CONSTRUCTION

- Volute casing with quadrangular frame, manufactured in galvanized steel sheet and protected against atmospheric agents with epoxy finish.
- Single inlet, backward curved wheel with high efficiency, manufactured in galvanized steel sheet and die-cast aluminium hub.
- Execution 5 (impeller directly coupled to flanged motor), rotation RD.
- Asynchronous three-phase or single-phase motors according to international standards IEC 60034, IEC 60072, EMC 2004/108/CE, LVD 2006/95/CE, CE marked, IP 55, class F, suitable to S1 service (continuous working at constant load).

ACCESSORIES (pag 9)

- Inlet and outlet protection guard manufactured according to UNI 12499 norm and protected against atmospheric agents.
- Inlet/outlet flexible connectors
- Antivibration supports
- Inlet/outlet counterflange
- Self transformer or inverters speed controllers

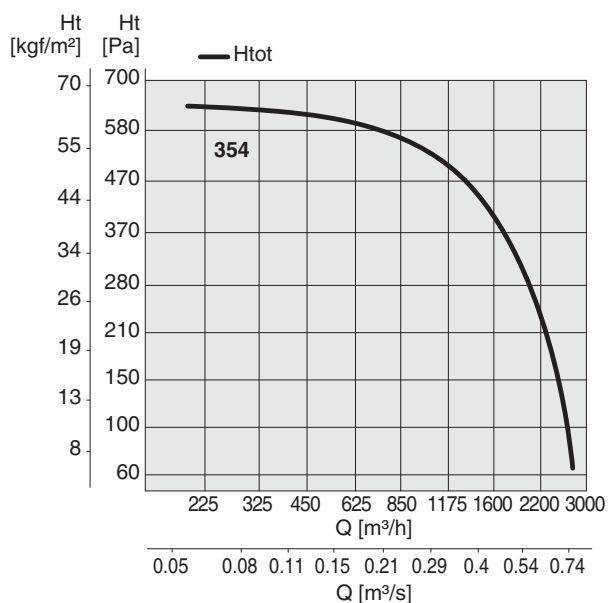
ORIENTAMENTI *Discharge angles*

PR-Q

Rotazione <i>Rotation</i> RD				
Forma/Form	0°	90°	180°	270°

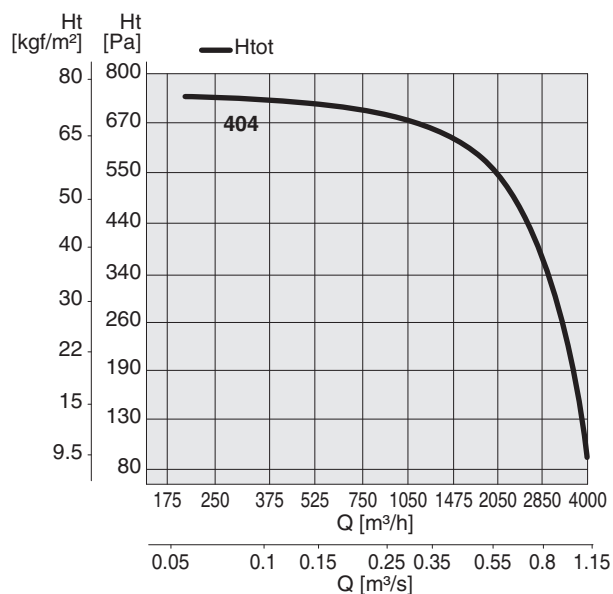
Frequenza 50Hz – Temperatura dell'aria 15°C – Pressione barometrica 760 mm Hg – Peso specifico dell'aria 1,22 Kg/m³
Frequency 50Hz – Air temperature 15°C – Barometric pressure 760 mm Hg – Air specific weight 1,22 Kg/m³

Lp: livello di pressione sonora rilevato a 1,50 m - **Lp**: sound pressure level measured at 1,50 m



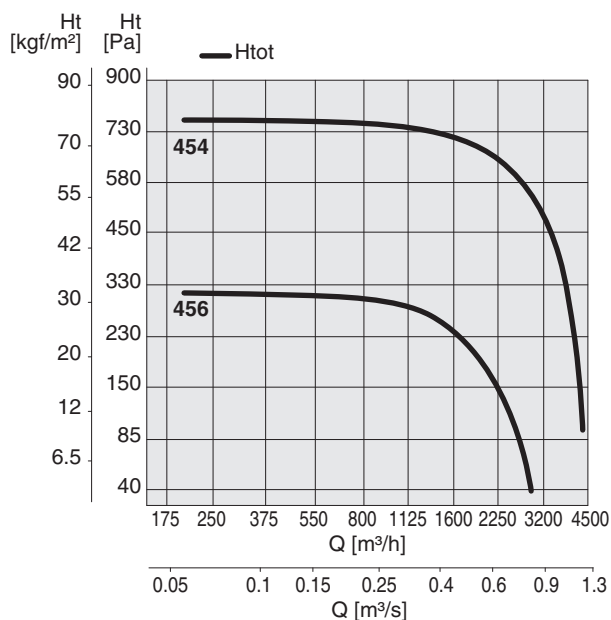
PR-Q 35

Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Mot. (Gr)	Lp dB(A)
PR-Q	354	M	4	0,25	2,35	55/F	71	69
PR-Q	354	T	4	0,25	0,86	55/F	71	69



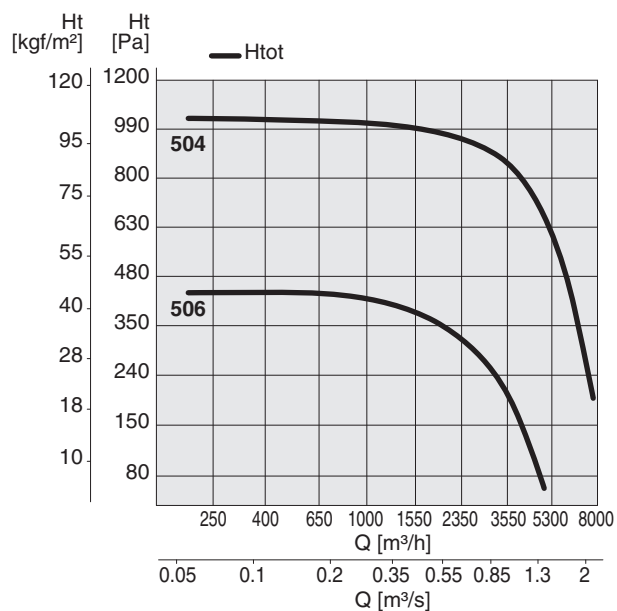
PR-Q 40

Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Mot. (Gr)	Lp dB(A)
PR-Q	404	M	4	0,55	4,75	55/F	80	70
PR-Q	404	T	4	0,55	1,60	55/F	80	70



PR-Q 45

Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Mot. (Gr)	Lp dB(A)
PR-Q	454	M	4	0,75	5,60	55/F	80	72
PR-Q	454	T	4	0,75	2,20	55/F	80	72
PR-Q	456	T	6	0,37	1,20	55/F	80	61

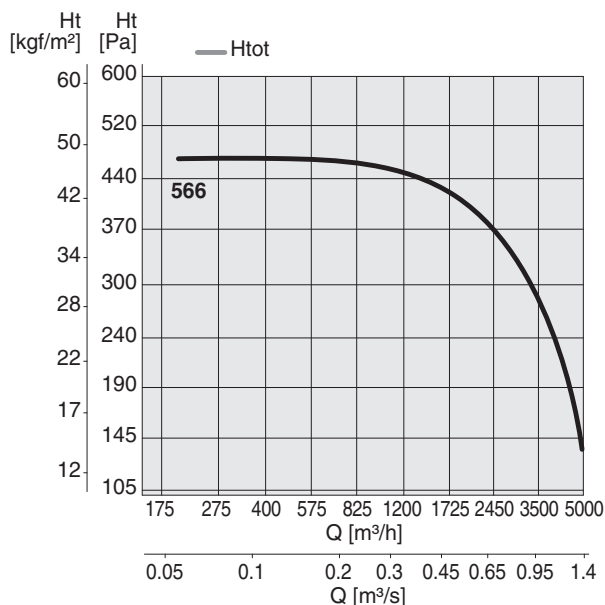


PR-Q 50

Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Mot. (Gr)	Lp dB(A)
PR-Q	504	T	4	1,10	2,80	55/F	90S	73
PR-Q	506	T	6	0,37	1,20	55/F	80	63

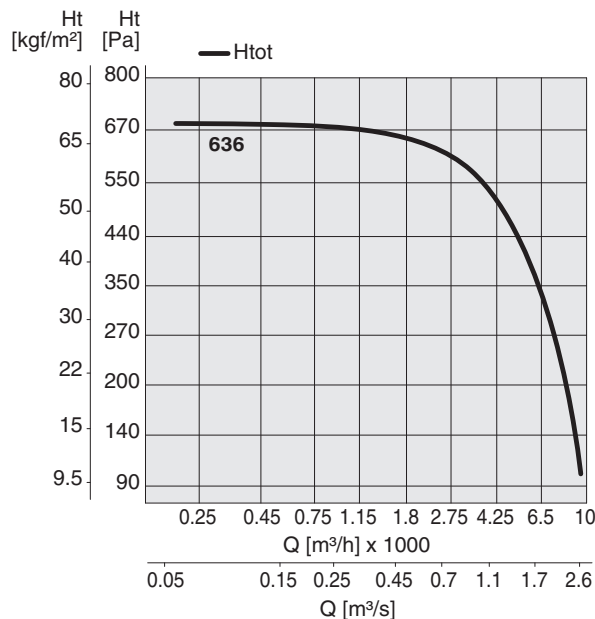
Frequenza 50Hz – Temperatura dell'aria 15°C – Pressione barometrica 760 mm Hg – Peso specifico dell'aria 1,22 Kg/m³
Frequency 50Hz – Air temperature 15°C – Barometric pressure 760 mm Hg – Air specific weight 1,22 Kg/m³

Lp: livello di pressione sonora rilevato a 1,50 m - **Lp:** sound pressure level measured at 1,50 m



PR-Q 56

Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Mot. (Gr)	Lp dB(A)
PR-Q AT	566	T	6	0,55	1,80	55/F	80	70

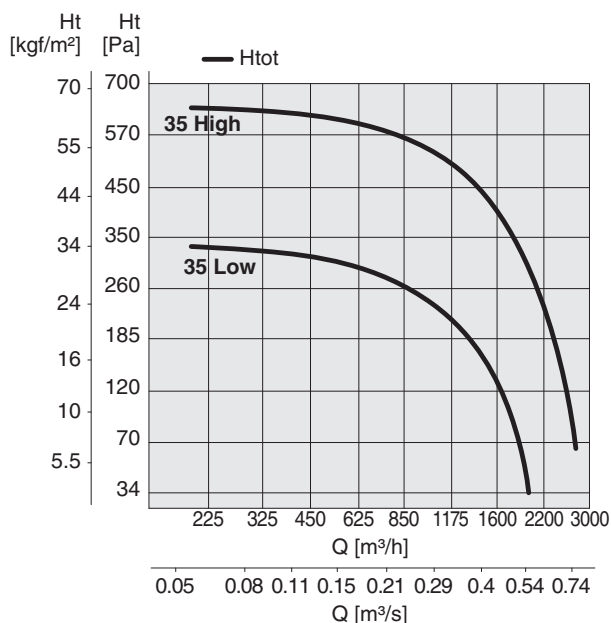


PR-Q 63

Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Mot. (Gr)	Lp dB(A)
PR-Q	636	T	6	1,10	3,40	55/F	90L	73

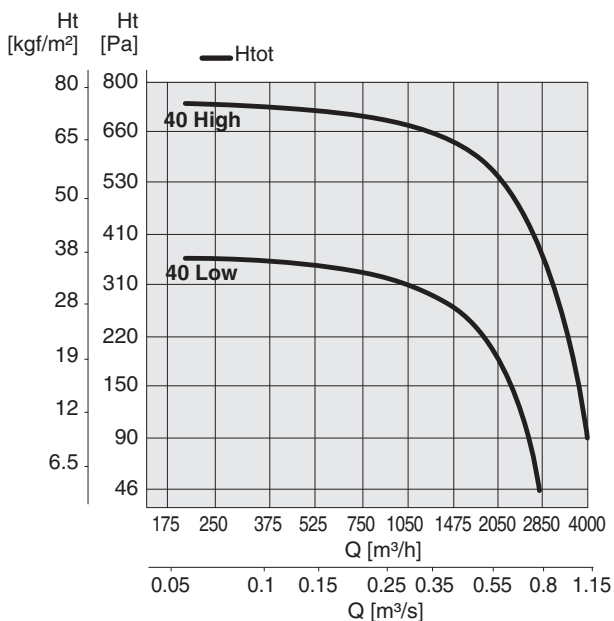
2 V (AT-HT) - 2 speed (AT-HT)

PR-Q



PR-Q 2V - 35

Tipo Type	Modello Model	U	rpm	Pm (kW)	In (A)	IP/CL	Mot. (Gr)	Lp dB(A)
PR-Q 2V	35 High	T	1350 - Δ	0,26	0,96	55/F	71	69
PR-Q 2V	35 Low	T	980 - λ	0,26	0,55	55/F	71	59

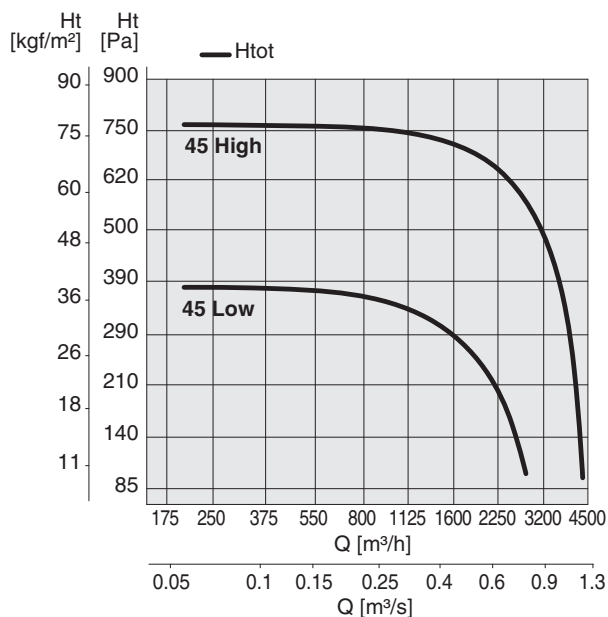


PR-Q 2V - 40

Tipo Type	Modello Model	U	rpm	Pm (kW)	In (A)	IP/CL	Mot. (Gr)	Lp dB(A)
PR-Q 2V	40 High	T	1400 - Δ	0,55	1,06	55/F	80	70
PR-Q 2V	40 Low	T	980 - λ	0,55	0,90	55/F	80	59

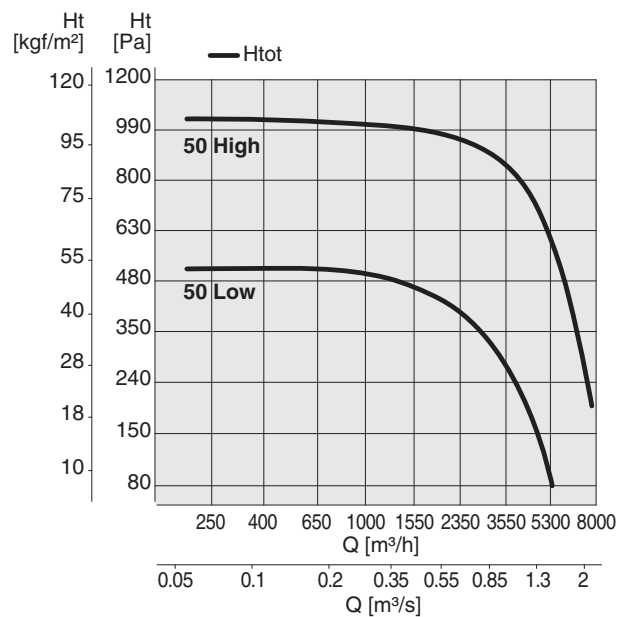
Frequenza 50Hz – Temperatura dell'aria 15°C – Pressione barometrica 760 mm Hg – Peso specifico dell'aria 1,22 Kg/m³
Frequency 50Hz – Air temperature 15°C – Barometric pressure 760 mm Hg – Air specific weight 1,22 Kg/m³

Lp: livello di pressione sonora rilevato a 1,50 m - **Lp:** sound pressure level measured at 1,50 m



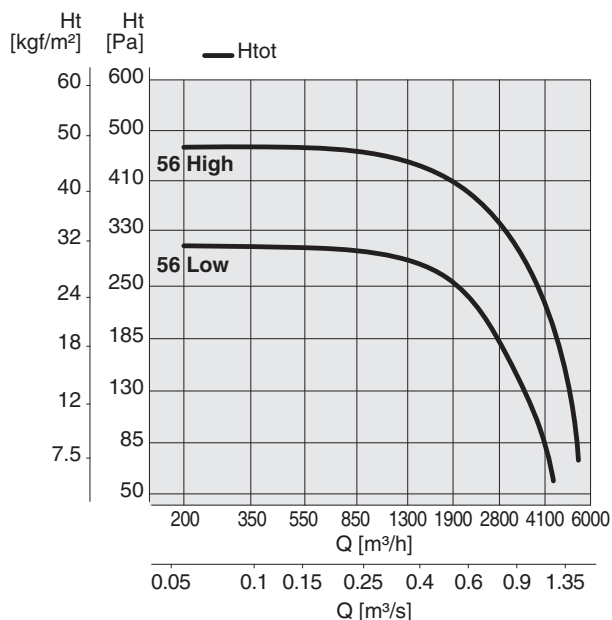
PR-Q 2V - 45

Tipo Type	Modello Model	U	rpm	Pm (kW)	In (A)	IP/CL	Mot. (Gr)	Lp dB(A)
PR-Q 2V	45 High	T	1400 - Δ	0,75	2,20	55/F	80	72
PR-Q 2V	45 Low	T	980 - ∟	0,75	1,30	55/F	80	61



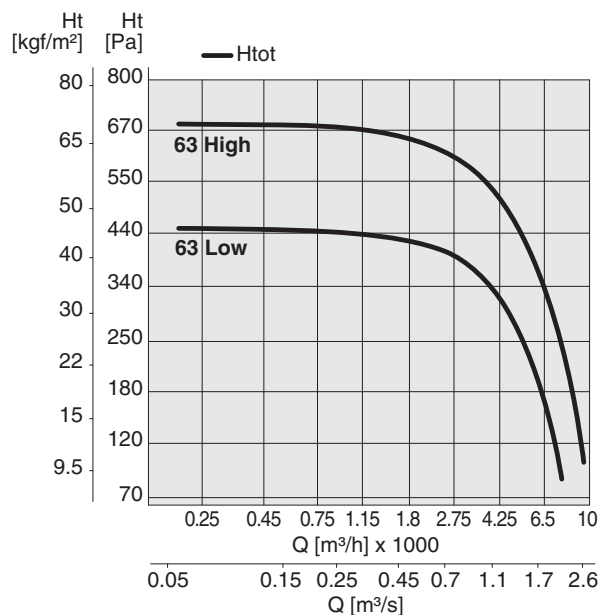
PR-Q 2V - 50

Tipo Type	Modello Model	U	rpm	Pm (kW)	In (A)	IP/CL	Mot. (Gr)	Lp dB(A)
PR-Q 2V	50 High	T	1400 - Δ	1,10	2,80	55/F	90S	73
PR-Q 2V	50 Low	T	980 - ∟	1,10	1,60	55/F	90S	63



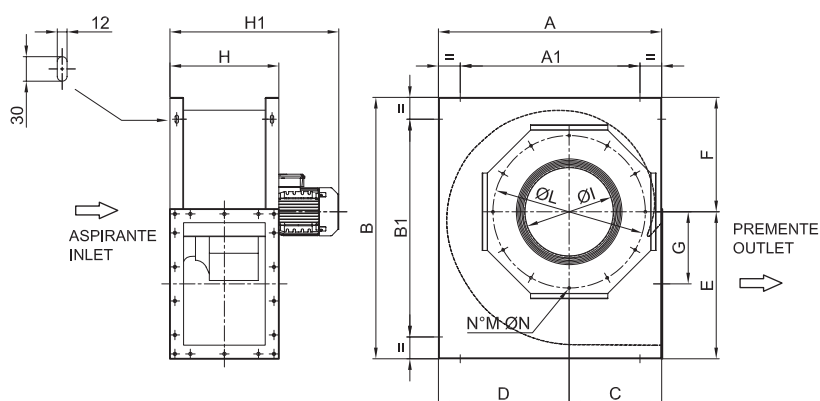
PR-Q 2V - 56

Tipo Type	Modello Model	U	rpm	Pm (kW)	In (A)	IP/CL	Mot. (Gr)	Lp dB(A)
PR-Q 2V	56 High	T	900 - Δ	0,55	2,00	55/F	80	70
PR-Q 2V	56 Low	T	730 - ∟	0,55	1,30	55/F	80	64



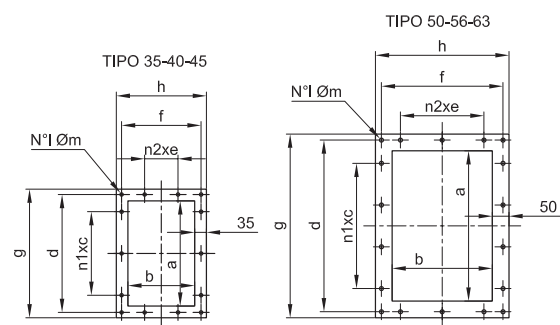
PR-Q 2V - 63

Tipo Type	Modello Model	U	rpm	Pm (kW)	In (A)	IP/CL	Mot. (Gr)	Lp dB(A)
PR-Q 2V	63 High	T	1400 - Δ	1,10	3,40	55/F	90L	73
PR-Q 2V	63 Low	T	980 - ∟	1,10	2,00	55/F	90L	65



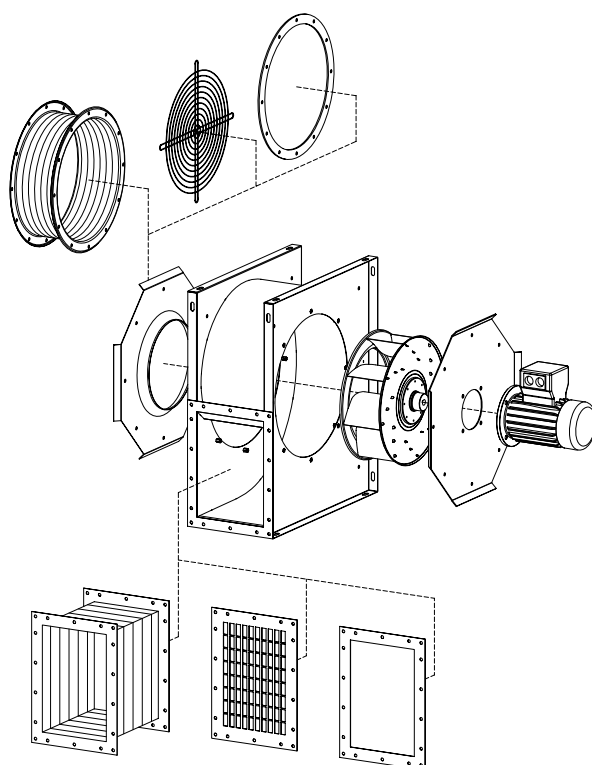
TIPO / TYPE	A	A1	B	B1	C	D	E	F	G	H	H1	ASPIRANTE / INLET				kg
												I	L	M	N	
PR-Q-HT 35	620	520	650	55	295	325	370	280	177	270	450	270	450	8	M8	35
PR-Q-HT 40	680	580	790	690	305	375	440	350	277	320	520	296	500	8	M8	45
PR-Q-HT 45	740	640	880	780	305	435	490	390	255	320	520	296	500	8	M8	50
PR-Q-HT 50	820	660	960	800	340	480	540	420	265	400	620	327	560	12	M8	75
PR-Q-HT 56	890	730	1040	880	370	520	600	440	300	400	585	370	620	12	M8	80
PR-Q-HT 63	910	750	1100	940	410	500	650	450	320	455	675	430	690	12	M8	100

Dimensioni in mm / Dimensions in mm



TIPO / TYPE	PREMENTE / OUTLET									
	a	b	n1 x c	d	n2 x e	f	g	h	i	m
PR-Q-HT 35	315	200	2 x 125	353	1 x 100	238	385	270	14	10
PR-Q-HT 40	355	250	2 x 125	393	1 x 125	288	425	320	14	10
PR-Q-HT 45	400	250	2 x 125	438	1 x 125	288	470	320	14	10
PR-Q-HT 50	450	300	3 x 125	514	2 x 125	364	550	400	18	12
PR-Q-HT 56	500	300	3 x 125	564	2 x 125	364	600	400	18	12
PR-Q-HT 63	560	355	4 x 125	624	2 x 125	419	660	455	20	12

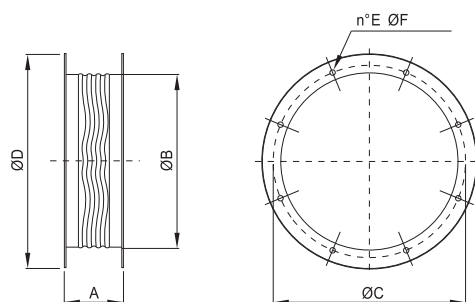
Dimensioni in mm / Dimensions in mm



GIUNTO ANTIVIBRANTE CCga / FLEXIBLE CONNECTORS CCga

Impedisce la propagazione delle vibrazioni sulla canalizzazione. Costruito con due flange in lamiera d'acciaio, realizzate a norma UNI ISO 6580 – EUROVENT per il fissaggio al ventilatore e al canale, ed un nastro di collegamento flessibile e robusto. Temperature d'utilizzo – 30°C + 80°C. Parti in lamiera verniciate a polveri epossipoliestiriche. Per temperature d'utilizzo diverse sono previste costruzioni speciali.

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. Working temperatures from –30°C to +80°C. Components in steel sheet protected against atmospheric agents by epoxy paint. Special executions are available for different working temperatures.



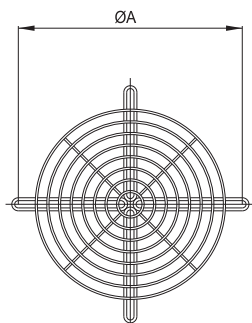
TIPO TYPE	Modello Model	A	ØB	ØC	ØD	E	ØF	kg
CCga 40	PR-Q 35	200	400	450	496	8	12	7
CCga 45	PR-Q 40-45	200	450	500	546	8	12	8
CCga 50	PR-Q 50	200	500	560	598	12	12	9
CCga 56	PR-Q 56	200	560	620	658	12	12	10
CCga 63	PR-Q 63	200	630	690	730	12	12	11

Dimensioni in mm / Dimensions in mm

RETE PROTEZIONE BOCCA ASPIRANTE CCr / INLET PROTECTION GUARD CCr

Salvaguardano dal contatto accidentale con le parti in movimento del ventilatore. Realizzate in filo d'acciaio, a norma UNI 12499 e protette contro gli agenti atmosferici. CCr: versione piana (per cassa lunga e cassa corta lato girante),

They prevent from casual contact with moving parts of the fan. Manufactured in steel rod according to UNI 12499 standard and protected against atmospheric agents. CCr: flat version (for long case and short case on impeller side)

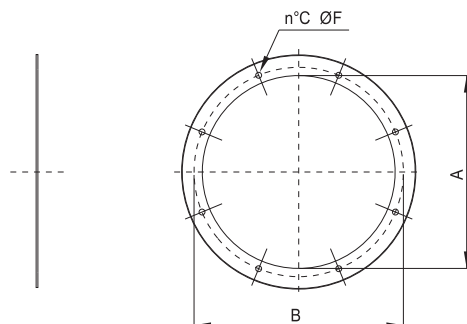


TIPO TYPE	Modello Model	ØA	kg
CCr 40	PR-Q 35	450	0,8
CCr 45	PR-Q 40-45	500	1,0
CCr 50	PR-Q 50	560	1,3
CCr 56	PR-Q 56	620	1,6
CCr 63	PR-Q 63	690	1,9

CONTROFLANGIA CCf / COUNTER FLANGE CCf

Piastra a forma di anello provvista di fori a norma UNI ISO 6580 – EUROVENT. Viene utilizzata per facilitare il collegamento tra il canale ed il ventilatore.

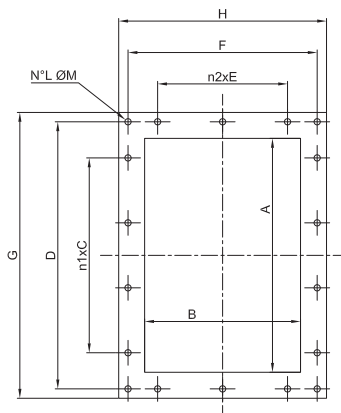
Ring plate with holes according to UNI ISO6580 – EUROVENT standard, compatible with fan flange. It is used for easier connection between the CC fan and the duct.



TIPO TYPE	Modello Model	ØA	ØB	C	ØD	kg
CCf 40	PR-Q 35	400	450	8	12	1,7
CCf 45	PR-Q 40-45	450	500	8	12	1,9
CCf 50	PR-Q 50	500	560	12	12	2,1
CCf 56	PR-Q 56	560	620	12	12	2,4
CCf 63	PR-Q 63	630	690	12	12	2,7

Dimensioni in mm / Dimensions in mm

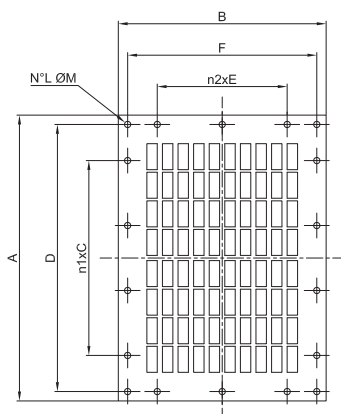
CONTROFLANGIA PREMENTE / OUTLET COUNTER FLANGE



TIPO TYPE	A	B	n1xC	D	n2xE	F	G	H	L	M	Sp.	Kg
35	315	200	2x125	353	1x100	238	385	270	14	10	15/10	0,47
40	355	250	2x125	393	1x125	288	425	320	14	10	15/10	0,55
45	400	250	2x125	438	1x125	288	470	320	14	10	15/10	0,58
50	450	300	3x125	514	2x125	364	550	400	18	12	20/10	1,30
56	500	300	3x125	564	2x125	364	600	400	18	12	20/10	1,38
63	560	355	4x125	624	2x125	419	660	455	20	12	20/10	1,56

Dimensioni in mm / Dimensions in mm

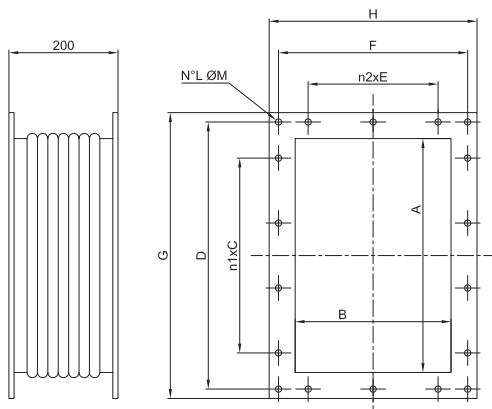
RETE PROTEZIONE BOCCA PREMENTE / OUTLET PROTECTION GUARD



TIPO TYPE	A	B	n1xC	D	n2xE	F	L	M	Sp.	Kg
35	385	270	2x125	353	1x100	238	14	10	15/10	0,49
40	425	320	2x125	393	1x125	288	14	10	15/10	0,58
45	470	320	2x125	438	1x125	288	14	10	15/10	0,61
50	550	400	3x125	514	2x125	364	18	12	20/10	1,33
56	600	400	3x125	564	2x125	364	18	12	20/10	1,41
63	660	455	4x125	624	2x125	419	20	12	20/10	1,59

Dimensioni in mm / Dimensions in mm

GIUNTO ANTIVIBRANTE PREMENTE / OUTLET FLEXIBLE CONNECTOR



TIPO TYPE	A	B	n1xC	D	n2xE	F	G	H	L	M	Kg
35	315	200	2x125	353	1x100	238	385	270	14	10	3,5
40	355	250	2x125	393	1x125	288	425	320	14	10	4
45	400	250	2x125	438	1x125	288	470	320	14	10	4,5
50	450	300	3x125	514	2x125	364	550	400	18	12	5
56	500	300	3x125	564	2x125	364	600	400	18	12	5,5
63	560	355	4x125	624	2x125	419	660	455	20	12	6

Dimensioni in mm / Dimensions in mm

> PR-L

Ventilatori centrifughi pale rovesce per aria pulita e leggermente polverosa
Backward curved blade centrifugal fans for clean or slightly dusty air



Versioni / Versions:



DESCRIZIONE GENERALE

I ventilatori della serie PR-L trovano la loro principale applicazione negli impianti civili e industriali di condizionamento, ventilazione, riscaldamento e filtrazione. Possono convogliare aria pulita e fumi leggermente polverosi con temperatura max di 80°C nella configurazione standard, e fino a 300°C con costruzioni speciali. La serie prevede esecuzioni direttamente accoppiate (esecuzione 4) e a trasmissione (esecuzione 1, 9 e 12). Adatto per portate elevate e prevalenze basse.

COSTRUZIONE

- Cassa a spirale realizzata in lamiera d'acciaio e protetta contro gli agenti atmosferici con vernici a polveri epossipoliesteriche.
- Boccaglio d'aspirazione con ampio raggio realizzato in lamiera d'acciaio e protetto contro gli agenti atmosferici con vernici a polveri epossipoliesteriche.
- Girante a semplice aspirazione con pale rovesce curve ad alto rendimento aeraulico, realizzata in lamiera e verniciata con vernici a polveri epossipoliesteriche. Sono previste versioni per alte velocità di rotazione in classe 3.
- Per esecuzione 1 – 9 – 12: supporto monoblocco realizzato in fusione di ghisa, con cuscinetti a sfera, progettati per agevolare le operazioni di lubrificazione. Cinghie di trasmissione, pulegge e supporto motore. Carter di protezione per le cinghie.
- Motore asincrono trifase a norme internazionali IEC 60034, IEC 60072, EMC 2004/108/CE, LVD 2006/95/CE e marcato CE IP55, classe F, idonei ad un servizio S1 (funzionamento continuo a carico costante).

ACCESSORI (disponibili su richiesta)

- Tappo scarico condensa (TS)
- Portella d'ispezione (PI)
- Controflangia per bocca aspirante (CFA)
- Controflangia per bocca premente (CFP)
- Rete di protezione per bocca aspirante (RA)
- Rete di protezione per bocca premente (RP)
- Giunto antivibrante per bocca aspirante (GA)
- Giunto antivibrante per bocca premente (GP)
- Regolatore di portata in aspirazione
- Serranda ad alette contrapposte in premente
- Supporti antivibranti

A RICHIESTA

- Versione idonea al trasporto di gas caldi, max 150°C (PR-L/AT es 4).
- Versione idonea al trasporto di gas caldi, max 300°C (PR-L/AT es 1-12).
- Versione resistente all'azione corrosiva del gas trasportato, realizzata con cassa, boccaglio e girante in acciaio inossidabile AISI304 (PR-L/INOX).
- Versione ATEX: motore asincrono trifase II2G, II2D, II2GD a norme internazionali IEC 60034, IEC 60072, IEC 60079 e/o IEC 61241, EMC 2004/108/CE, LVD 2006/95/CE, con certificati ATEX e marcatura CE, IP 55/IP 65, classe F, idonei ad un servizio S1 (funzionamento continuo a carico costante).

GENERAL DESCRIPTION

The fans of the PR-L series find their main application in commercial and industrial plants of air-conditioning, ventilation, heating and filtering; they can be used as well in industrial processing (baker ovens, spray booths, driers, boilers, silos, cooling systems, etc.). PRL fans can convey clean or slightly dusty air and smoke with max. temperature of 80°C in standard configuration and up to 300°C with special constructions. The series foresees direct drive version (execution 4) and belt drive version (execution 1, 9 and 12). Suitable for very high capacities and low pressure.

CONSTRUCTION

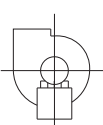
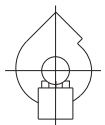
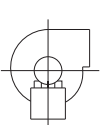
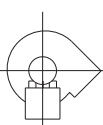
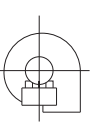
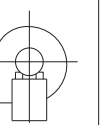
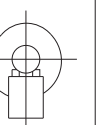
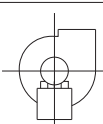
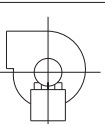
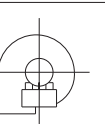
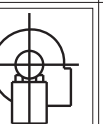
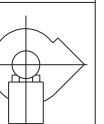
- Volute casing in steel sheet, protected against atmospheric agents by epoxy paint.
- Aerodynamically shaped inlet cone in steel sheet, protected against atmospheric agents by epoxy paint.
- Single inlet backward curved wheel with high efficiency, manufactured in steel sheet and epoxy painted. For high rotational speed, versions in class 3 are foreseen.
- For execution 1 – 9 – 12: mono-block support in cast iron with ball bearings, designed for easy lubrication. Pulleys, belts and motor support. Belt protection guard.
- Asynchronous three-phase motors according to international standards IEC 60034, IEC 60072, EMC 2004/108/CE, LVD 2006/95/CE, CE marked, IP 55, class F, suitable to S1 service (continuous working at constant load).

ACCESSORIES (available upon request)

- Condensation drain hole (TS)
- Inspection door (PI)
- Inlet counter-flange (CFA)
- Outlet counter-flange (CFP)
- Inlet protection guard (RA)
- Outlet protection guard (RP)
- Inlet flexible connector (GA)
- Outlet flexible connector (GP)
- Inlet vane control
- Outlet setting shutter
- Anti-vibration mounts

UPON REQUEST

- High temperature version suitable for conveying hot gases, Max 150°C (PR-L/AT EX4).
- High temperature version suitable for conveying hot gases, Max 300°C (PR-L/AT EX1,12).
- Corrosion resistant version, manufactured with casing, inlet side and impeller in stainless steel AISI304 (PR-L/INOX).
- ATEX version, with asynchronous three-phase motors II2G, II2D, II2GD according to international standards IEC 60034, IEC 60072, IEC 60079 and/or IEC61241, EMC 2004/108/CE, LVD 2006/95/CE, with ATEX certification, CE marked, IP55/IP 65, class F, suitable to S1 service (continuous working at constant load).

Rotazione Rotation RD								
Forma-Form	0	45	90	135	180(*)	225(*)	270	315
Rotazione Rotation LG								
Altezza-Height	E1				E2		E3	

NB.: Orientamento standard **LG270°** / Standard orientation **LG270°**

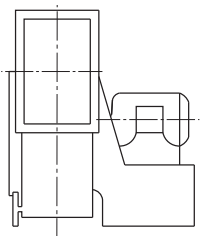
(*) Richiede costruzione speciale / Request special construction

ESECUZIONI *Executions*

PR-L

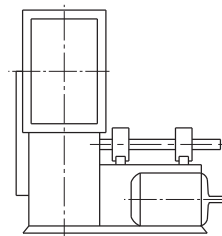
4: Girante a sbalzo direttamente accoppiata al motore, sostenuta dalla base/sedia.

4: *Impeller directly coupled to the motor supported by the motor support base.*



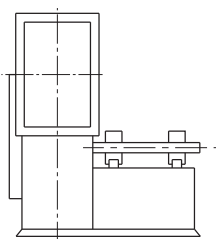
9: Come esecuzione 1 con predisposizione al montaggio del motore posto sul fianco della base/sedia.

9: *Same as execution 1 with arrangement for the motor assembled on the side of the support base.*



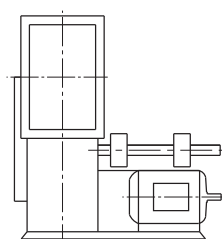
1: Predisposizione all'accoppiamento con cinghie e pulegge, girante a sbalzo, direttamente accoppiata a supporto sostenuto dalla base/sedia.

1: *Arrangement for belt drive with impeller directly coupled to the support shaft carried by the motor support base.*



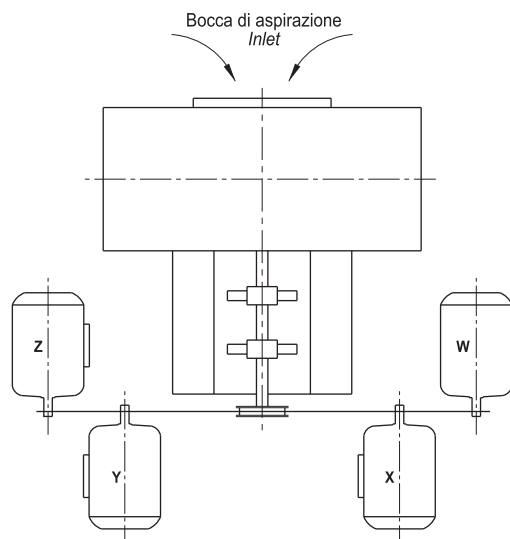
12: come esecuzione 1 con predisposizione al montaggio del motore e ventilatore su unico telaio di fondazione.

12: *Same as execution 1 with arrangement for fan and motor mounted on common basement.*



POSIZIONE MOTORE *Motor position*

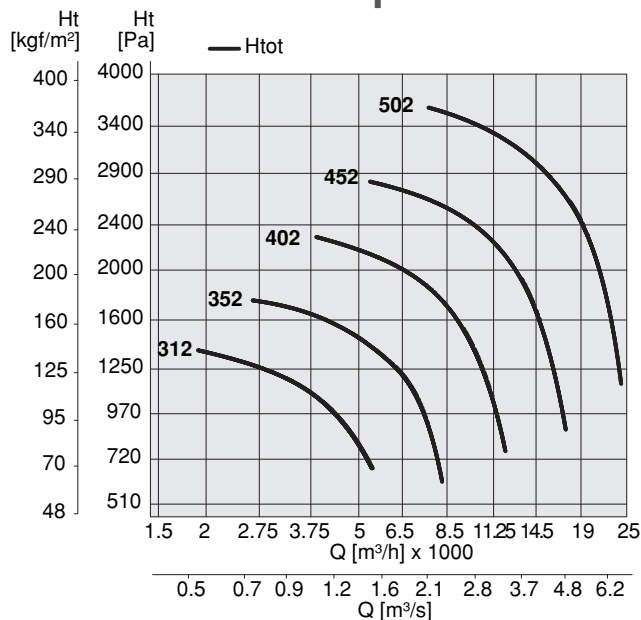
PR-L



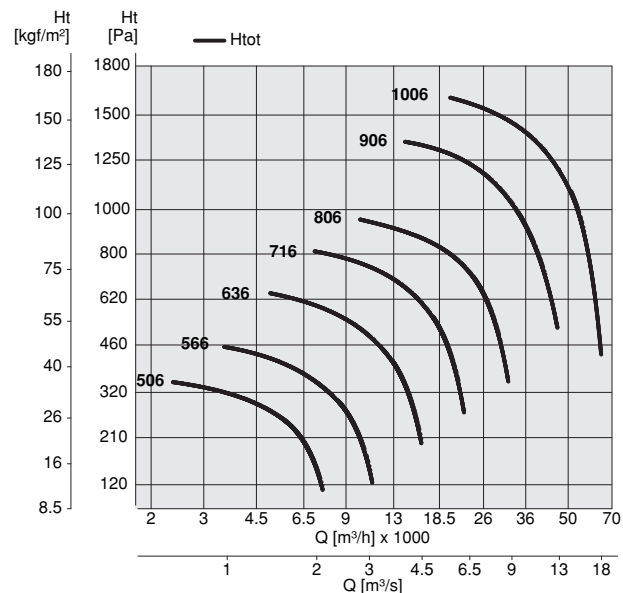
Frequenza 50Hz – Temperatura dell'aria 15°C – Pressione barometrica 760 mm Hg – Peso specifico dell'aria 1,22 Kg/m³
Frequency 50Hz – Air temperature 15°C – Barometric pressure 760 mm Hg – Air specific weight 1,22 Kg/m³

Lp: livello di pressione sonora rilevato a 1,50 m - **Lp:** sound pressure level measured at 1,50 m

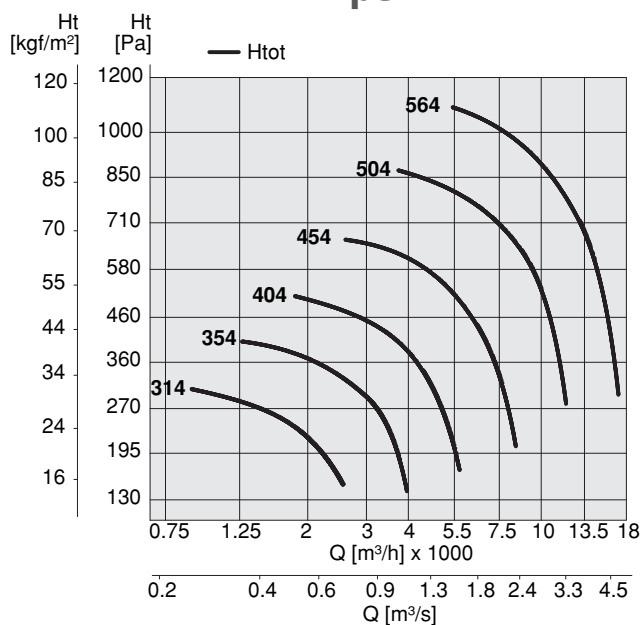
2 poli



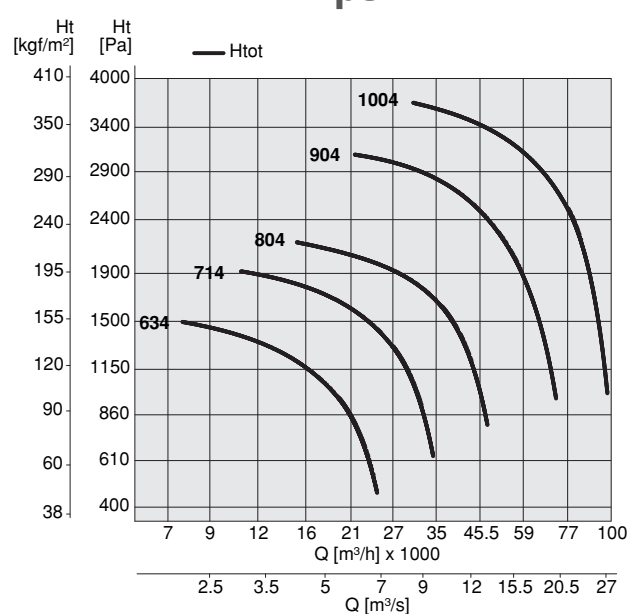
6 poli



4 poli A



4 poli B



Frequenza 50Hz – Temperatura dell'aria 15°C – Pressione barometrica 760 mm Hg – Peso specifico dell'aria 1,22 Kg/m³
Frequency 50Hz – Air temperature 15°C – Barometric pressure 760 mm Hg – Air specific weight 1,22 Kg/m³

Lp: livello di pressione sonora rilevato a 1,50 m - **Lp:** sound pressure level measured at 1,50 m

PR-L 31

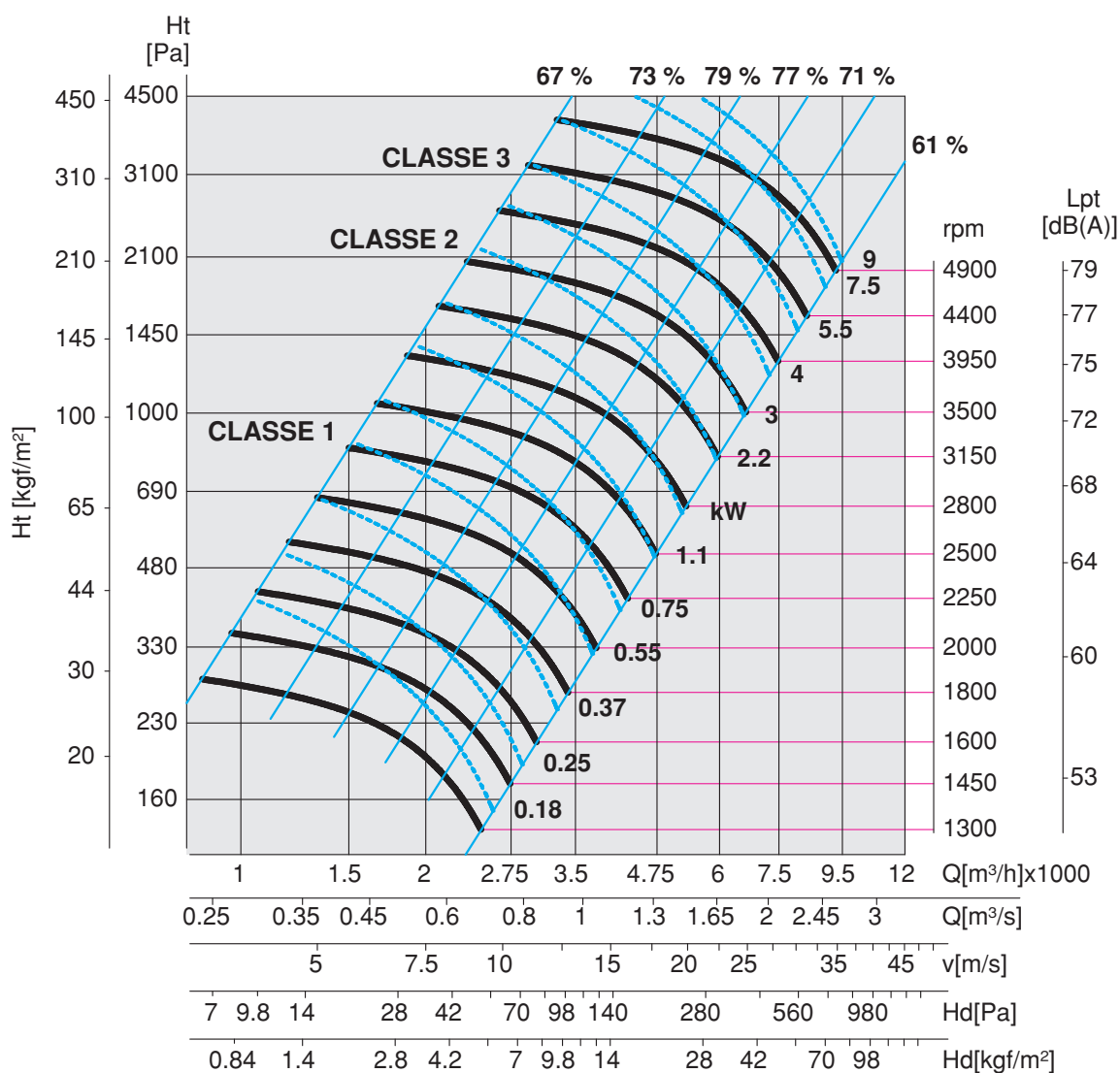
Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PR-L	312	T	2	2,20	4,90	55/F	68
PR-L	314	T	4	0,18	0,60	55/F	50

Limiti d'impiego - Operational limit

Tipo Type	Modello Model	Q max (m ³ /h)	Pt min (mm H2O)	C max (m/s)	S (m ²)	Pd ² (kgm ²)	Mot. (Gr)
PR-L	312	5400	69	20,29	0,074	0,32	90
PR-L	314	2540	15	9,53	0,074	0,32	63

Limite massimo dei giri in funzione della temperatura dell'aria - Maximum rpm with regard to air temperature

Temperatura aria Air temperature	rpm classe/class 1	rpm classe/class 2	rpm classe/class 3	Costruzione Construction
0°C – 90°C	3100	3950	-	Standard
90°C – 200°C Es. 1-9-12	2800	3500	4500	Alta temperatura/High temperature (PRL-AT)
200°C – 300°C Es. 1-9-12	2500	3150	4000	Alta temperatura/High temperature (PRL-AT)



Frequenza 50Hz – Temperatura dell'aria 15°C – Pressione barometrica 760 mm Hg – Peso specifico dell'aria 1,22 Kg/m³
Frequency 50Hz – Air temperature 15°C – Barometric pressure 760 mm Hg – Air specific weight 1,22 Kg/m³

Lp: livello di pressione sonora rilevato a 1,50 m - **Lp**: sound pressure level measured at 1,50 m

PR-L 35

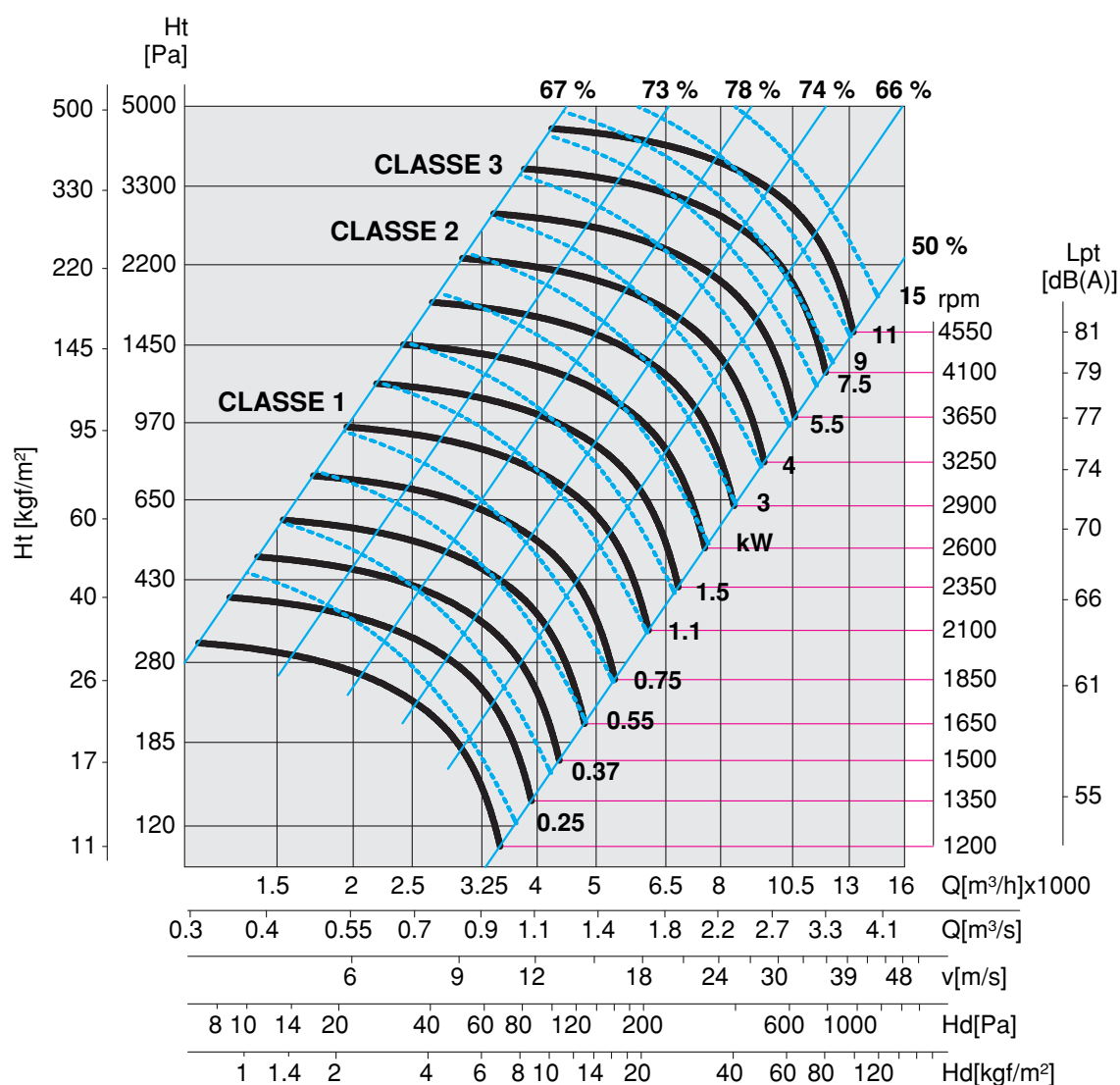
Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PR-L	352	T	2	3,00	6,40	55/F	71
PR-L	354	T	4	0,37	1,18	55/F	54

Limiti d'impiego - Operational limit

Tipo Type	Modello Model	Q max (m ³ /h)	Pt min (mm H ₂ O)	C max (m/s)	S (m ²)	Pd ² (kgm ²)	Mot. (Gr)
PR-L	352	8250	63	24,90	0,092	0,52	100
PR-L	354	3950	15	11,91	0,092	0,52	71

Limite massimo dei giri in funzione della temperatura dell'aria - Maximum rpm with regard to air temperature

Temperatura aria Air temperature	rpm classe/class 1	rpm classe/class 2	rpm classe/class 3	Costruzione Construction
0°C – 90°C	2800	3500	4520	Standard
90°C – 200°C Es. 1-9-12	2500	3150	4000	Alta temperatura/High temperature (PRL-AT)
200°C – 300°C Es. 1-9-12	2250	2800	3520	Alta temperatura/High temperature (PRL-AT)



Frequenza 50Hz – Temperatura dell'aria 15°C – Pressione barometrica 760 mm Hg – Peso specifico dell'aria 1,22 Kg/m³
Frequency 50Hz – Air temperature 15°C – Barometric pressure 760 mm Hg – Air specific weight 1,22 Kg/m³

Lp: livello di pressione sonora rilevato a 1,50 m - **Lp**: sound pressure level measured at 1,50 m

PR-L 40

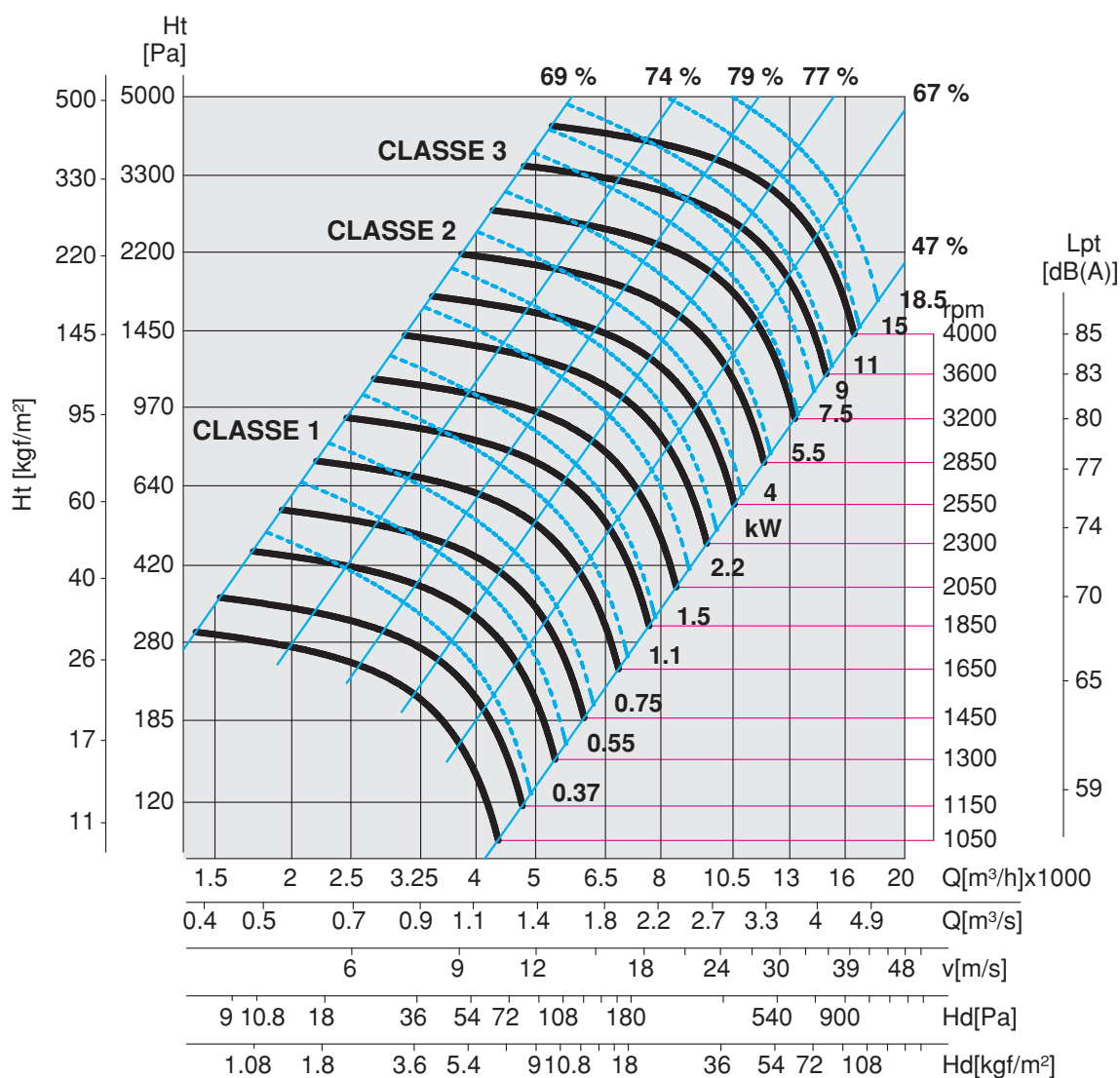
Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PR-L	402	T	2	5,50	10,60	55/F	78
PR-L	404	T	4	0,55	1,60	55/F	61

Limiti d'impiego - Operational limit

Tipo Type	Modello Model	Q max (m ³ /h)	Pt min (mm H ₂ O)	C max (m/s)	S (m ²)	Pd ² (kgm ²)	Mot. (Gr)
PR-L	402	12070	78	28,92	0,116	1,10	132
PR-L	404	5670	18	13,58	0,116	1,10	80

Limite massimo dei giri in funzione della temperatura dell'aria - Maximum rpm with regard to air temperature

Temperatura aria Air temperature	rpm classe/class 1	rpm classe/class 2	rpm classe/class 3	Costruzione Construction
0°C – 90°C	2840	3150	4000	Standard
90°C – 200°C Es. 1-9-12	2250	2800	3550	Alta temperatura/High temperature (PRL-AT)
200°C – 300°C Es. 1-9-12	2000	2480	3170	Alta temperatura/High temperature (PRL-AT)



Frequenza 50Hz – Temperatura dell'aria 15°C – Pressione barometrica 760 mm Hg – Peso specifico dell'aria 1,22 Kg/m³
Frequency 50Hz – Air temperature 15°C – Barometric pressure 760 mm Hg – Air specific weight 1,22 Kg/m³

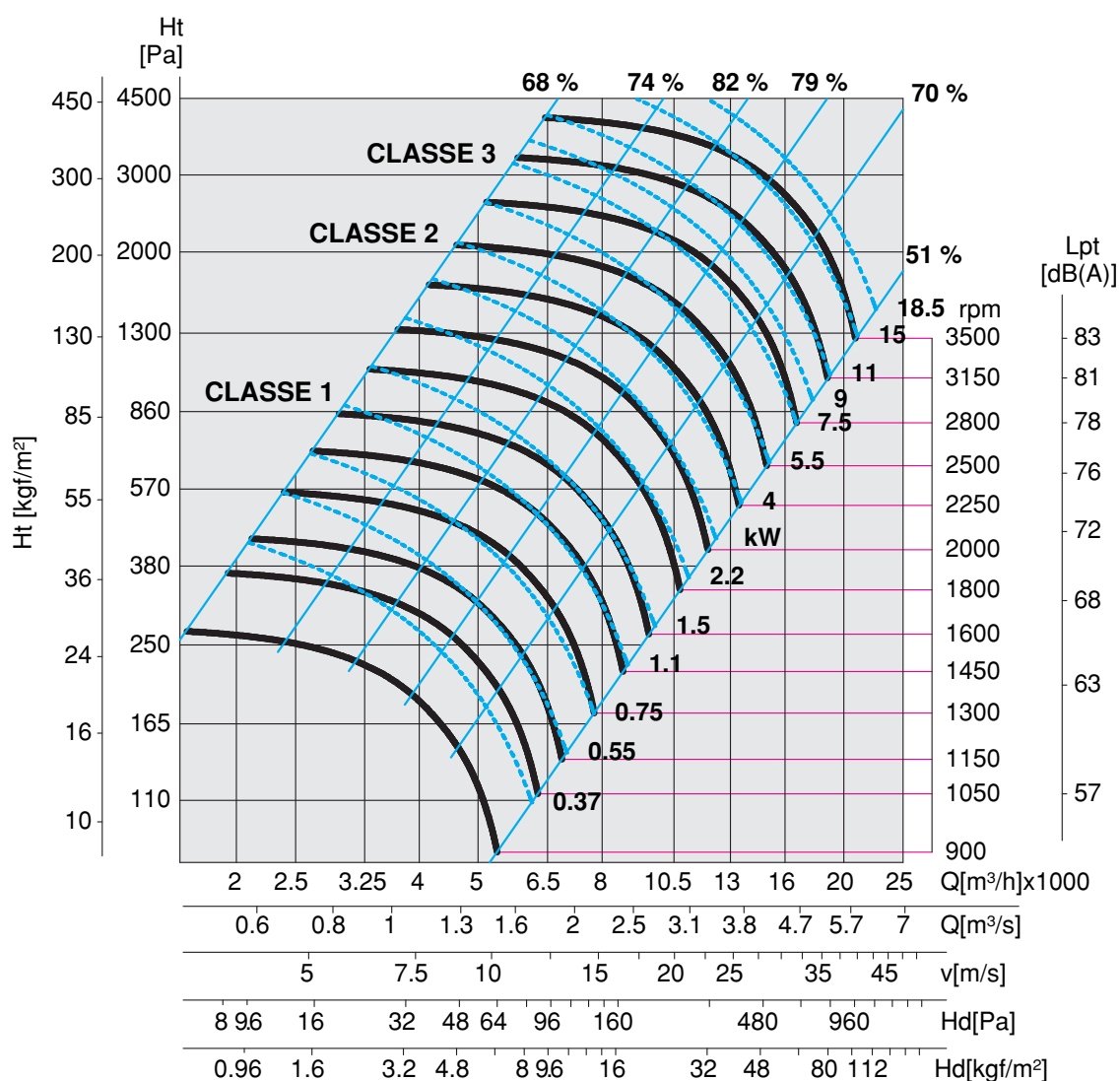
Lp: livello di pressione sonora rilevato a 1,50 m - **Lp**: sound pressure level measured at 1,50 m

PR-L 45							
Tipo Type	Modello Model	U	P	P _m (kW)	I _n (A)	IP/CL	L _p dB(A)
PR-L	452	T	2	11,00	20,40	55/F	79
PR-L	454	T	4	1,10	2,70	55/F	62

Limiti d'impiego - Operational limit							
Tipo Type	Modello Model	Q max (m ³ /h)	Pt min (mm H ₂ O)	C max (m/s)	S (m ²)	Pd ² (kgm ²)	Mot. (Gr)
PR-L	452	17320	91	32,95	0,146	1,90	160
PR-L	454	8400	21	16,01	0,146	1,90	90

Limite massimo dei giri in funzione della temperatura dell'aria - Maximum rpm with regard to air temperature

Temperatura aria Air temperature	rpm classe/class 1	rpm classe/class 2	rpm classe/class 3	Costruzione Construction
0°C – 90°C	2200	2800	3500	Standard
90°C – 200°C Es. 1-9-12	2000	2500	3150	Alta temperatura/High temperature (PRL-AT)
200°C – 300°C Es. 1-9-12	1780	2250	2800	Alta temperatura/High temperature (PRL-AT)



Frequenza 50Hz – Temperatura dell'aria 15°C – Pressione barometrica 760 mm Hg – Peso specifico dell'aria 1,22 Kg/m³
Frequency 50Hz – Air temperature 15°C – Barometric pressure 760 mm Hg – Air specific weight 1,22 Kg/m³

Lp: livello di pressione sonora rilevato a 1,50 m - **Lp:** sound pressure level measured at 1,50 m

PR-L 50

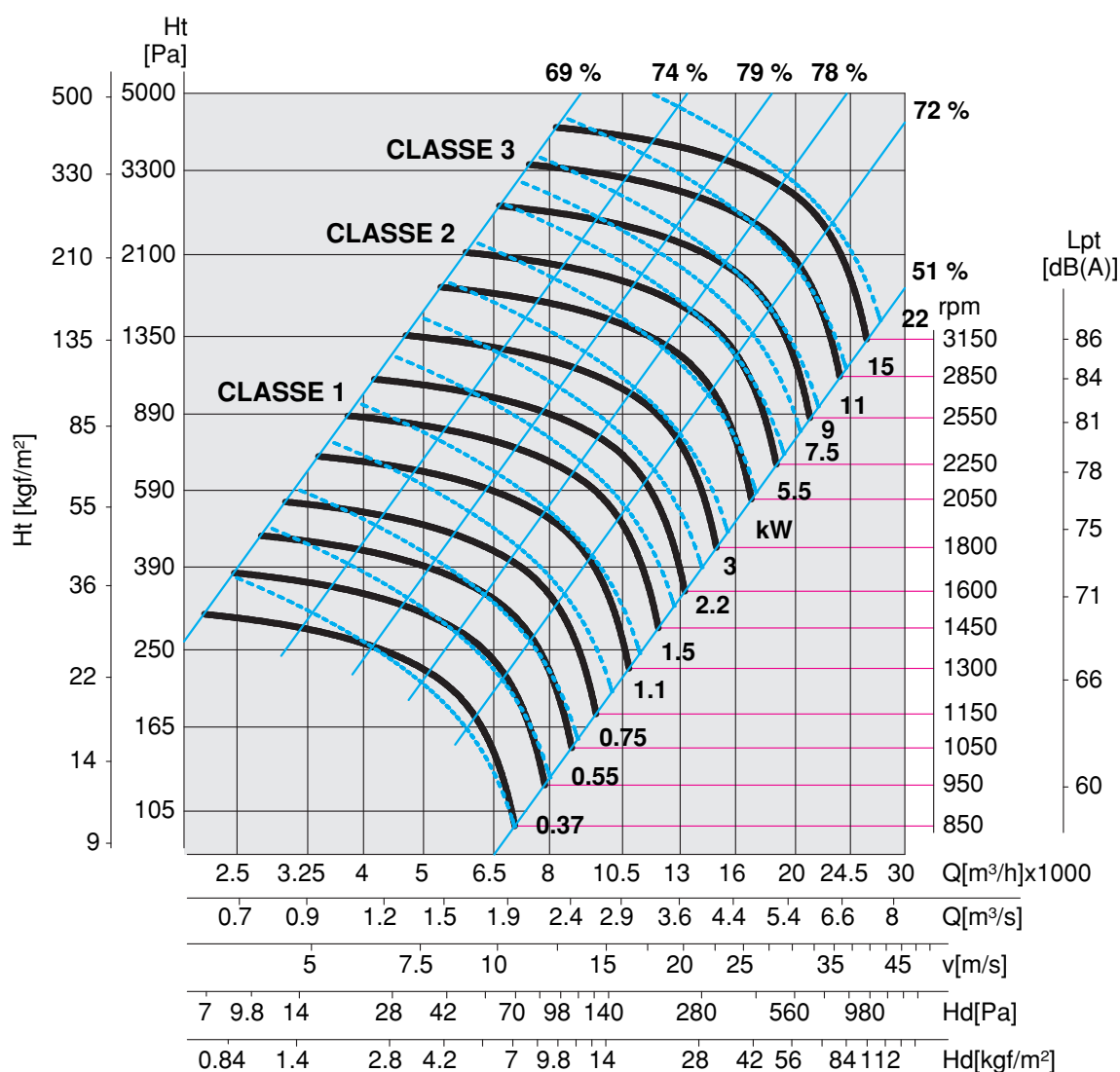
Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PR-L	502	T	2	18,50	33,50	55/F	85
PR-L	504	T	4	2,20	5,40	55/F	68
PR-L	506	T	6	0,55	1,80	55/F	58

Limiti d'impiego - Operational limit

Tipo Type	Modello Model	Q max (m ³ /h)	Pt min (mm H ₂ O)	C max (m/s)	S (m ²)	Pd ² (kgm ²)	Mot. (Gr)
PR-L	502	24160	120	36,67	0,183	3,10	160
PR-L	504	11880	29	18,03	0,183	3,10	100
PR-L	506	7470	12	11,34	0,183	3,10	80

Limite massimo dei giri in funzione della temperatura dell'aria - Maximum rpm with regard to air temperature

Temperatura aria Air temperature	rpm classe/class 1	rpm classe/class 2	rpm classe/class 3	Costruzione Construction
0°C – 90°C	2050	2500	3120	Standard
90°C – 200°C Es. 1-9-12	1800	2250	2800	Alta temperatura/High temperature (PRL-AT)
200°C – 300°C Es. 1-9-12	1580	2000	2500	Alta temperatura/High temperature (PRL-AT)



Frequenza 50Hz – Temperatura dell'aria 15°C – Pressione barometrica 760 mm Hg – Peso specifico dell'aria 1,22 Kg/m³
Frequency 50Hz – Air temperature 15°C – Barometric pressure 760 mm Hg – Air specific weight 1,22 Kg/m³

Lp: livello di pressione sonora rilevato a 1,50 m - **Lp**: sound pressure level measured at 1,50 m

PR-L 56

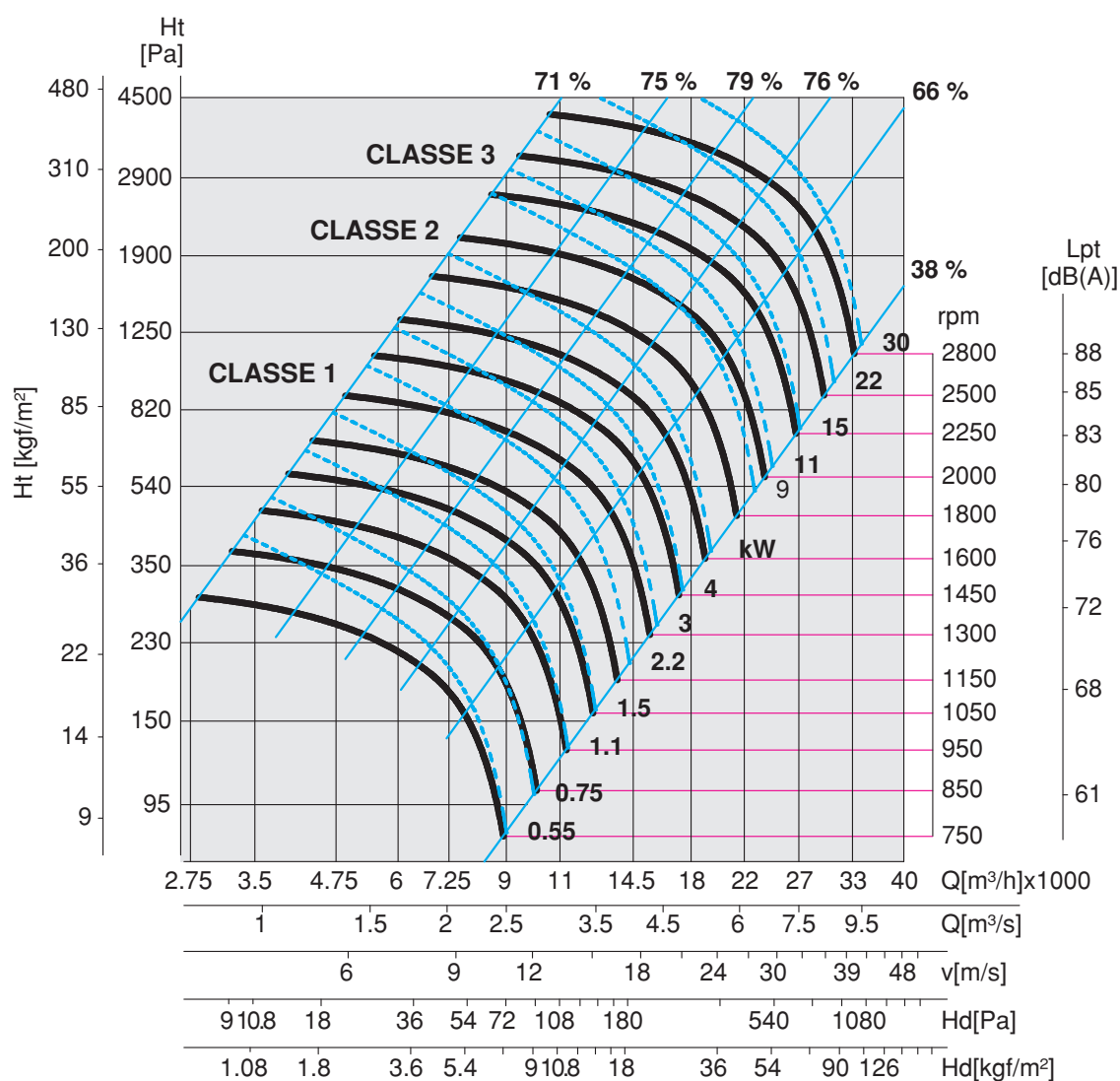
Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PR-L	564	T	4	4,00	8,50	55/F	73
PR-L	566	T	6	1,10	3,50	55/F	63

Limiti d'impiego - Operational limit

Tipo Type	Modello Model	Q max (m ³ /h)	Pt min (mm H ₂ O)	C max (m/s)	S (m ²)	Pd ² (kgm ²)	Mot. (Gr)
PR-L	564	17080	30	20,63	0,23	5,50	112
PR-L	566	11000	13	13,28	0,23	5,50	90

Limite massimo dei giri in funzione della temperatura dell'aria - Maximum rpm with regard to air temperature

Temperatura aria Air temperature	rpm classe/class 1	rpm classe/class 2	rpm classe/class 3	Costruzione Construction
0°C – 90°C	1850	2250	2800	Standard
90°C – 200°C Es. 1-9-12	1600	2000	2500	Alta temperatura/High temperature (PRL-AT)
200°C – 300°C Es. 1-9-12	1400	1800	2200	Alta temperatura/High temperature (PRL-AT)



Frequenza 50Hz – Temperatura dell'aria 15°C – Pressione barometrica 760 mm Hg – Peso specifico dell'aria 1,22 Kg/m³
Frequency 50Hz – Air temperature 15°C – Barometric pressure 760 mm Hg – Air specific weight 1,22 Kg/m³

Lp: livello di pressione sonora rilevato a 1,50 m - **Lp**: sound pressure level measured at 1,50 m

PR-L 63

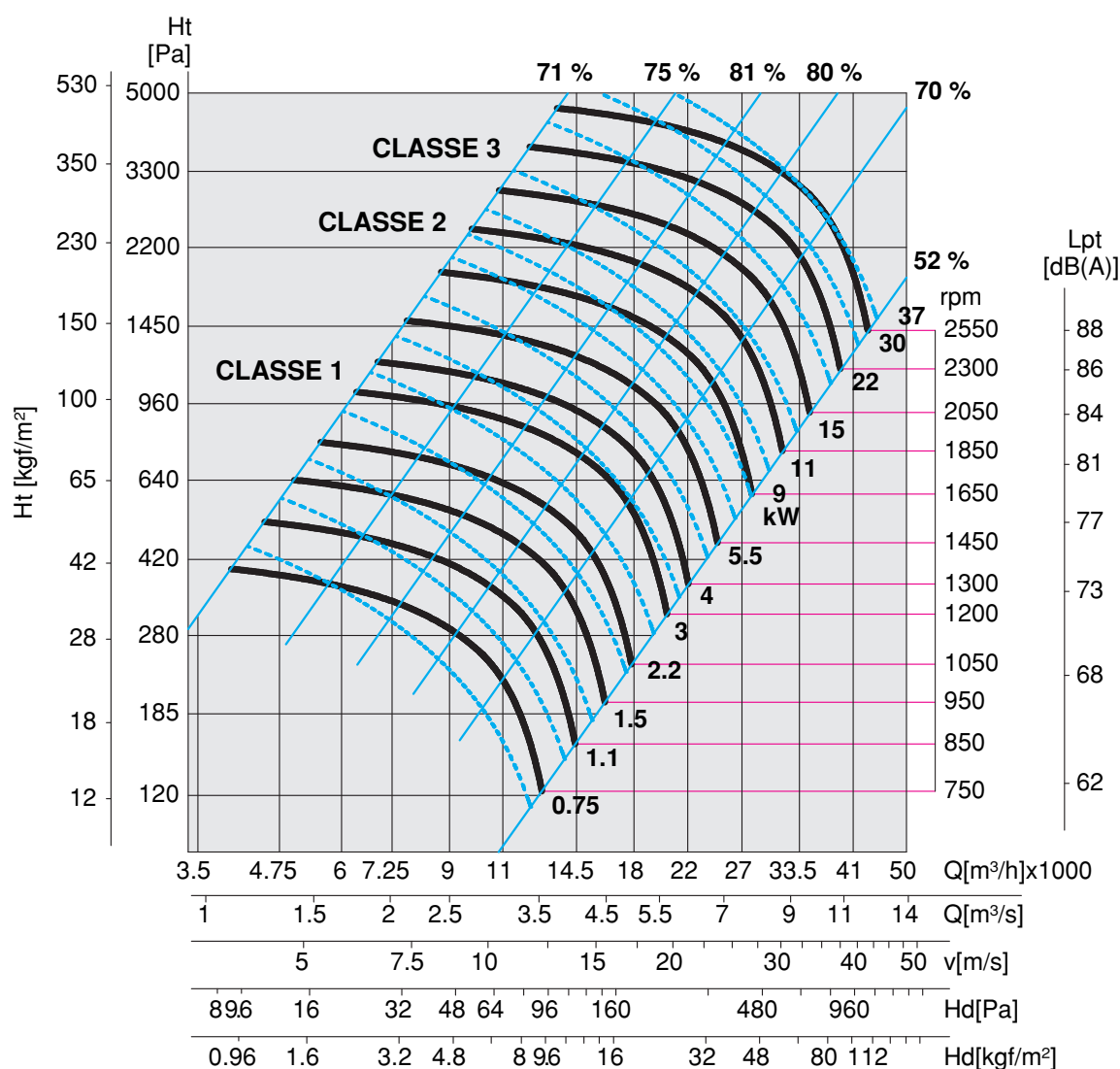
Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PR-L	634	T	4	7,50	14,70	55/F	77
PR-L	636	T	6	2,20	5,30	55/F	67

Limiti d'impiego - Operational limit

Tipo Type	Modello Model	Q max (m ³ /h)	Pt min (mm H ₂ O)	C max (m/s)	S (m ²)	Pd ² (kgm ²)	Mot. (Gr)
PR-L	634	24520	48	23,57	0,289	8,70	132
PR-L	636	16100	20	15,50	0,289	8,70	112

Limite massimo dei giri in funzione della temperatura dell'aria - Maximum rpm with regard to air temperature

Temperatura aria Air temperature	rpm classe/class 1	rpm classe/class 2	rpm classe/class 3	Costruzione Construction
0°C – 90°C	1600	2000	2500	Standard
90°C – 200°C Es. 1-9-12	1390	1800	2270	Alta temperatura/High temperature (PRL-AT)
200°C – 300°C Es. 1-9-12	1250	1600	2000	Alta temperatura/High temperature (PRL-AT)



Frequenza 50Hz – Temperatura dell'aria 15°C – Pressione barometrica 760 mm Hg – Peso specifico dell'aria 1,22 Kg/m³
Frequency 50Hz – Air temperature 15°C – Barometric pressure 760 mm Hg – Air specific weight 1,22 Kg/m³

Lp: livello di pressione sonora rilevato a 1,50 m - **Lp**: sound pressure level measured at 1,50 m

PR-L 71

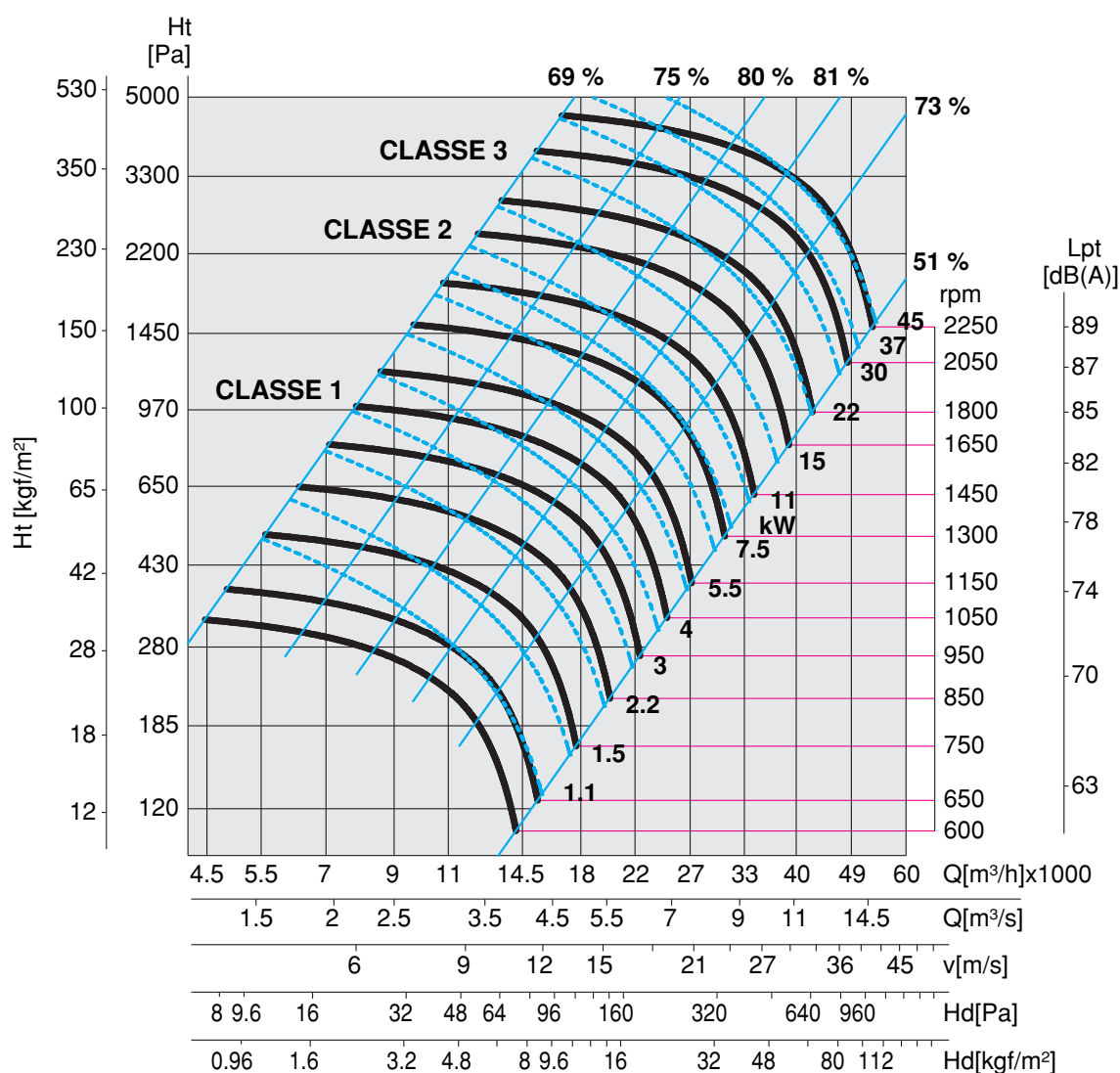
Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PR-L	714	T	4	15,00	29,00	55/F	80
PR-L	716	T	6	4,00	9,10	55/F	70

Limiti d'impiego - Operational limit

Tipo Type	Modello Model	Q max (m ³ /h)	Pt min (mm H ₂ O)	C max (m/s)	S (m ²)	Pd ² (kgm ²)	Mot. (Gr)
PR-L	714	34300	66	26,33	0,362	15,50	160
PR-L	716	22300	28	17,13	0,362	15,50	132

Limite massimo dei giri in funzione della temperatura dell'aria - Maximum rpm with regard to air temperature

Temperatura aria Air temperature	rpm classe/class 1	rpm classe/class 2	rpm classe/class 3	Costruzione Construction
0°C – 90°C	1450	1800	2250	Standard
90°C – 200°C Es. 1-9-12	1250	1600	2000	Alta temperatura/High temperature (PRL-AT)
200°C – 300°C Es. 1-9-12	1120	1410	1810	Alta temperatura/High temperature (PRL-AT)



Frequenza 50Hz – Temperatura dell'aria 15°C – Pressione barometrica 760 mm Hg – Peso specifico dell'aria 1,22 Kg/m³
Frequency 50Hz – Air temperature 15°C – Barometric pressure 760 mm Hg – Air specific weight 1,22 Kg/m³

Lp: livello di pressione sonora rilevato a 1,50 m - **Lp:** sound pressure level measured at 1,50 m

PR-L 80

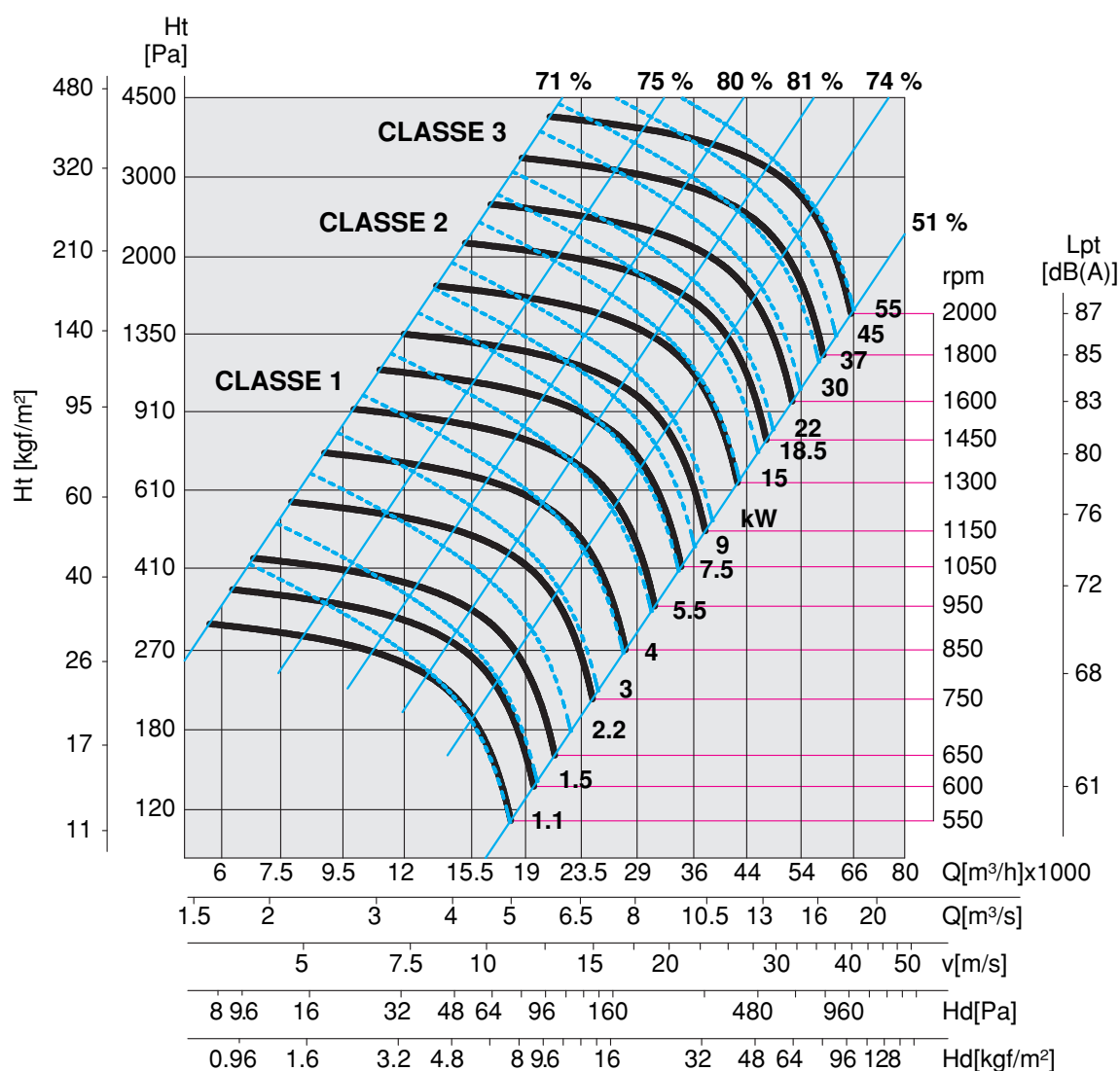
Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PR-L	804	T	4	22,00	41,00	55/F	81
PR-L	806	T	6	7,50	15,20	55/F	71

Limiti d'impiego - Operational limit

Tipo Type	Modello Model	Q max (m ³ /h)	Pt min (mm H ₂ O)	C max (m/s)	S (m ²)	Pd ² (kgm ²)	Mot. (Gr)
PR-L	804	47650	82	29,08	0,455	27,00	180
PR-L	806	31460	36	19,21	0,455	27,00	160

Limite massimo dei giri in funzione della temperatura dell'aria - Maximum rpm with regard to air temperature

Temperatura aria Air temperature	rpm classe/class 1	rpm classe/class 2	rpm classe/class 3	Costruzione Construction
0°C – 90°C	1240	1600	2000	Standard
90°C – 200°C Es. 1-9-12	1120	1400	1790	Alta temperatura/High temperature (PRL-AT)
200°C – 300°C Es. 1-9-12	1000	1240	1600	Alta temperatura/High temperature (PRL-AT)



Frequenza 50Hz – Temperatura dell'aria 15°C – Pressione barometrica 760 mm Hg – Peso specifico dell'aria 1,22 Kg/m³
Frequency 50Hz – Air temperature 15°C – Barometric pressure 760 mm Hg – Air specific weight 1,22 Kg/m³

Lp: livello di pressione sonora rilevato a 1,50 m - **Lp**: sound pressure level measured at 1,50 m

PR-L 90

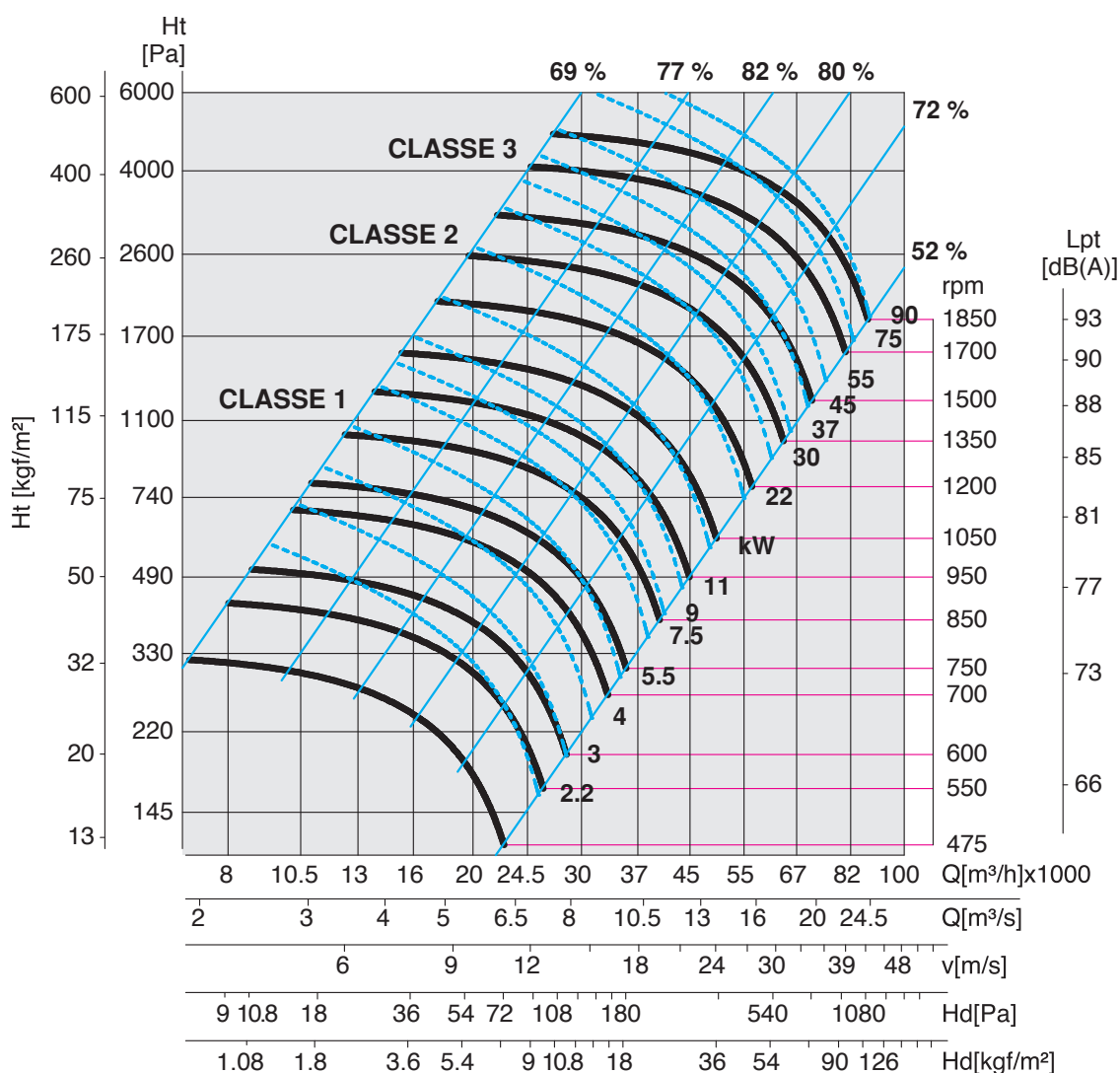
Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PR-L	904	T	4	45,00	80,50	55/F	88
PR-L	906	T	6	15,00	29,00	55/F	78

Limiti d'impiego - Operational limit

Tipo Type	Modello Model	Q max (m ³ /h)	Pt min (mm H ₂ O)	C max (m/s)	S (m ²)	Pd ² (kgm ²)	Mot. (Gr)
PR-L	904	69500	122	33,70	0,573	43,00	225
PR-L	906	45990	53	22,30	0,573	43,00	180

Limite massimo dei giri in funzione della temperatura dell'aria - Maximum rpm with regard to air temperature

Temperatura aria Air temperature	rpm classe/class 1	rpm classe/class 2	rpm classe/class 3	Costruzione Construction
0°C – 90°C	1130	1400	1810	Standard
90°C – 200°C Es. 1-9-12	1000	1250	1600	Alta temperatura/High temperature (PRL-AT)
200°C – 300°C Es. 1-9-12	910	1120	1400	Alta temperatura/High temperature (PRL-AT)



Frequenza 50Hz – Temperatura dell'aria 15°C – Pressione barometrica 760 mm Hg – Peso specifico dell'aria 1,22 Kg/m³
Frequency 50Hz – Air temperature 15°C – Barometric pressure 760 mm Hg – Air specific weight 1,22 Kg/m³

Lp: livello di pressione sonora rilevato a 1,50 m - **Lp:** sound pressure level measured at 1,50 m

PR-L 100

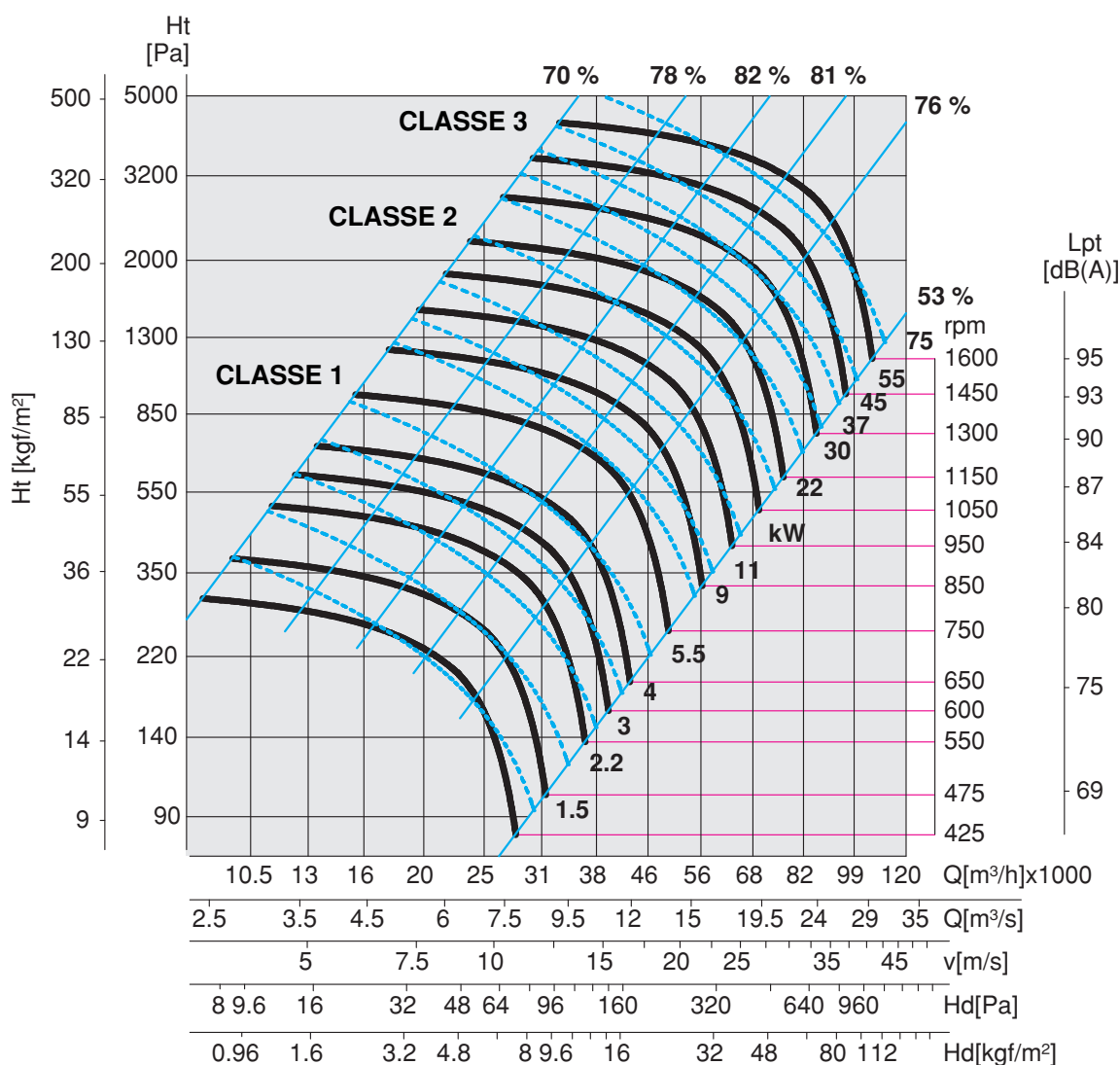
Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PR-L	1004	T	4	75,00	134,00	55/F	92
PR-L	1006	T	6	22,00	42,50	55/F	82

Limiti d'impiego - Operational limit

Tipo Type	Modello Model	Q max (m ³ /h)	Pt min (mm H ₂ O)	C max (m/s)	S (m ²)	Pd ² (kgm ²)	Mot. (Gr)
PR-L	1004	97500	106	37,62	0,72	78,00	280
PR-L	1006	64500	44	24,89	0,72	78,00	200

Limite massimo dei giri in funzione della temperatura dell'aria - Maximum rpm with regard to air temperature

Temperatura aria Air temperature	rpm classe/class 1	rpm classe/class 2	rpm classe/class 3	Costruzione Construction
0°C – 90°C	1000	1240	1600	Standard
90°C – 200°C Es. 1-9-12	900	1120	1400	Alta temperatura/High temperature (PRL-AT)
200°C – 300°C Es. 1-9-12	800	1000	1240	Alta temperatura/High temperature (PRL-AT)

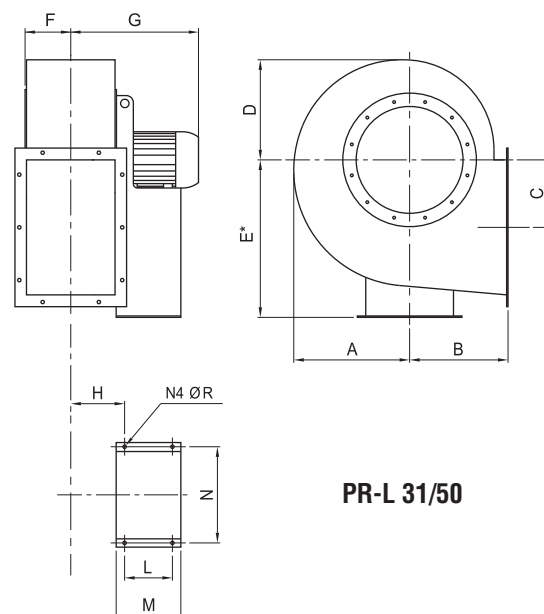


ESECUZIONE / ARRANGEMENT - 4

TIPO TYPE	A	B	C	D	E*			F
					E1 0°+135°	E2 180°+225°	E3 270°+315°	
PR-L 31	302	225	196	258	400	225	400	117
PR-L 35	345	255	216	290	450	255	450	130
PR-L 40	370	285	245	315	500	285	500	147
PR-L 45	415	320	275	355	560	320	560	163
PR-L 50	472	360	303	400	600	360	600	183
PR-L 56	540	400	332	456	670	400	670	205
PR-L 63	602	450	373	510	755	450	750	230
PR-L 71	660	500	427	566	850	500	850	257
PR-L 80	752	560	478	640	950	560	950	287
PR-L 90	840	630	538	720	850	630	1060	322
PR-L 100	946	710	607	813	950	710	1180	360

Dimensioni in mm / Dimensions in mm

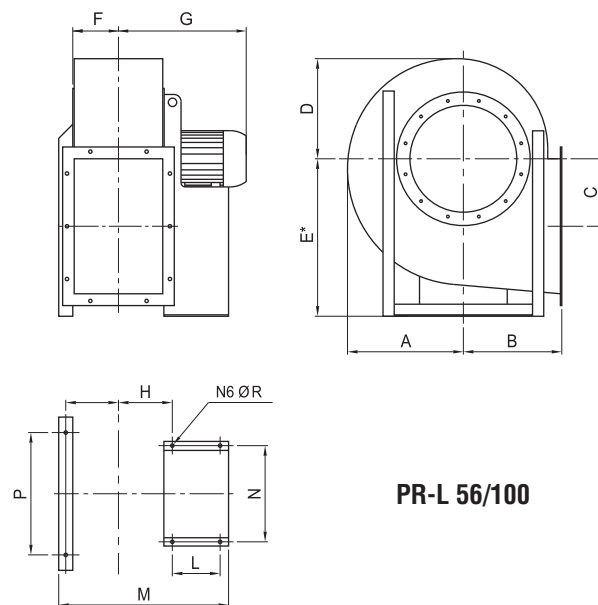
NB.: E* Vedi tabella orientamenti pag. 114 sez.6
See discharge angle schedule pag. 114 sez.6



PR-L 31/50

TIPO TYPE	POLI POLES	G	H	I	L	M	N	P	ØR	kg
PR-L 31	2	384	172	-	133	205	234	-	10	52
"	4	300	162	-	86	145	184	-	10	42
PR-L 35	2	468	161	-	197	250	289	-	12	80
"	4	338	176	-	121	180	203	-	10	65
PR-L 40	2	546	187	-	237	300	337	-	12	108
"	4	374	192	-	121	180	203	-	10	75
PR-L 45	2	700	215	-	337	415	395	-	14	160
"	4	430	220	-	133	205	234	-	10	94
PR-L 50	2	719	235	-	337	415	395	-	14	196
"	4	521	215	-	197	250	289	-	12	129
"	6	411	230	-	121	180	203	-	10	116
PR-L 56	4	542	236	232	197	711	289	632	12	146
"	6	472	261	232	133	666	234	632	10	133
PR-L 63	4	629	271	256	237	810	337	702	12	204
"	6	567	271	256	197	760	289	702	12	179
PR-L 71	4	792	319	287	316	988	772	772	20	326
"	6	656	319	287	201	873	772	772	20	286
PR-L 80	4	918	350	318	361	1095	862	862	20	418
"	6	843	350	318	316	1050	862	862	20	368
PR-L 90	4	1009	379	352	441	1258	962	962	20	650
"	6	932	379	352	361	1178	962	962	20	499
PR-L 100	4	1048	413	390	590	1505	1056	1056	20	941
"	6	971	413	390	400	1315	1056	1056	20	716

Dimensioni in mm / Dimensions in mm



PR-L 56/100

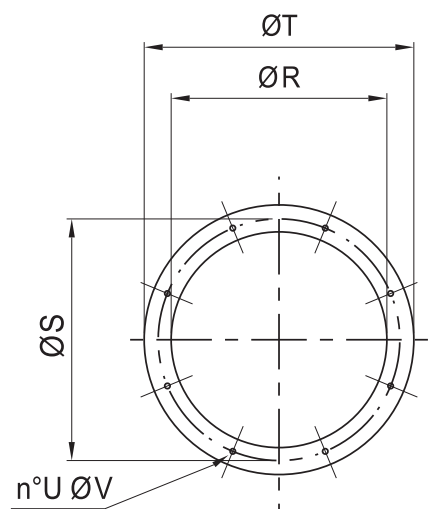
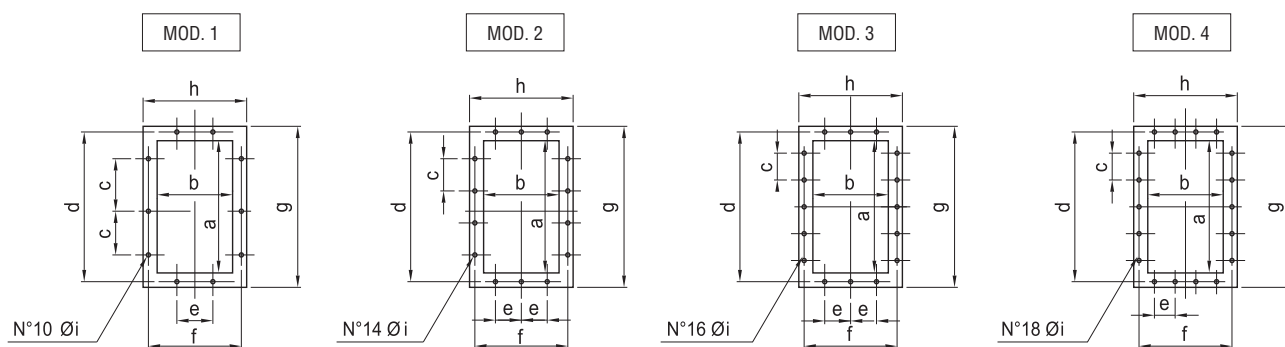
NOTE: PR-L 56/80 angolo orientamento modificabile
PR-L 90/100 angolo orientamento non modificabile

NOTE: PR-L 56/80 allow the modification to discharge angle
PR-L 90/100 do not allow the modification of discharge angle

BOCCA ASPIRANTE / INLET

TIPO/TYPE	ØR	ØS	ØT	U	ØV
31	320	366	400	8	10
35	360	405	440	8	10
40	405	448	485	8	10
45	455	497	535	8	10
50	505	551	585	8	10
56	565	629	665	16	10
63	635	698	735	16	12
71	715	775	815	16	12
80	805	861	905	16	12
90	905	958	1005	16	12
100	1007	1067	1107	16	12

Dimensioni in mm / Dimensions in mm


BOCCA PREMENTE / OUTLET


TIPO/TYPE	a	b	c	d	e	f	g	h	Øi	MOD.
31	322	229	125	366	125	273	402	309	12	1
35	361	256	125	405	125	300	441	336	12	1
40	404	288	125	448	125	332	484	368	12	2
45	453	322	125	497	125	366	533	402	12	2
50	507	361	125	551	125	405	587	441	12	2
56	569	404	160	629	160	464	669	504	14	2
63	638	453	160	698	160	513	738	553	14	2
71	715	507	160	775	160	567	815	607	14	3
80	801	569	200	871	200	639	921	689	14	2
90	898	638	200	968	200	708	1018	758	14	4
100	1007	715	200	1077	200	785	1127	835	14	4

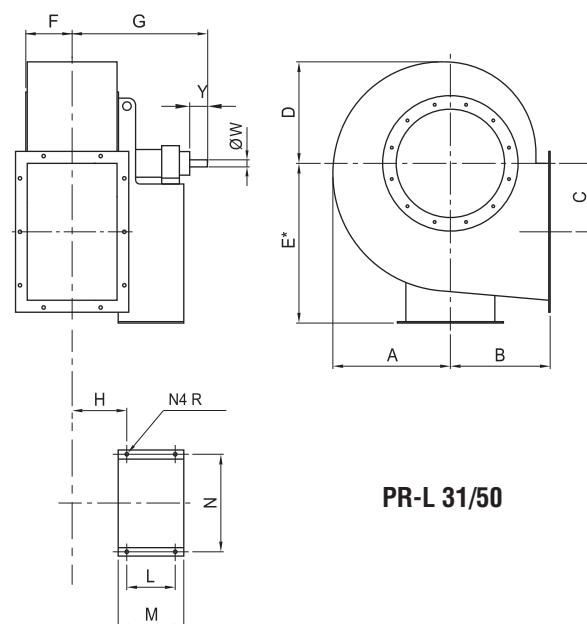
Dimensioni in mm / Dimensions in mm

ESECUZIONE / ARRANGEMENT - 1

TIPO TYPE	A	B	C	D	E1	E*	E3	F	G
					0°+135°	180°+225°	270°+315°		
PR-L 31	302	225	196	258	400	225	400	117	527
PR-L 35	345	255	216	290	450	255	450	130	686
PR-L 40	370	285	245	315	500	285	500	147	722
PR-L 45	415	320	275	355	560	320	560	163	739
PR-L 50	472	360	303	400	600	360	600	183	864
PR-L 56	540	400	332	456	670	400	670	205	922
PR-L 63	602	450	373	510	755	450	750	230	953
PR-L 71	660	500	427	566	850	500	850	257	1026
PR-L 80	752	560	478	640	950	560	950	287	1057
PR-L 90	840	630	538	720	850	630	1060	322	1092
PR-L 100	946	710	607	813	950	710	1180	360	1252

Dimensioni in mm / Dimensions in mm

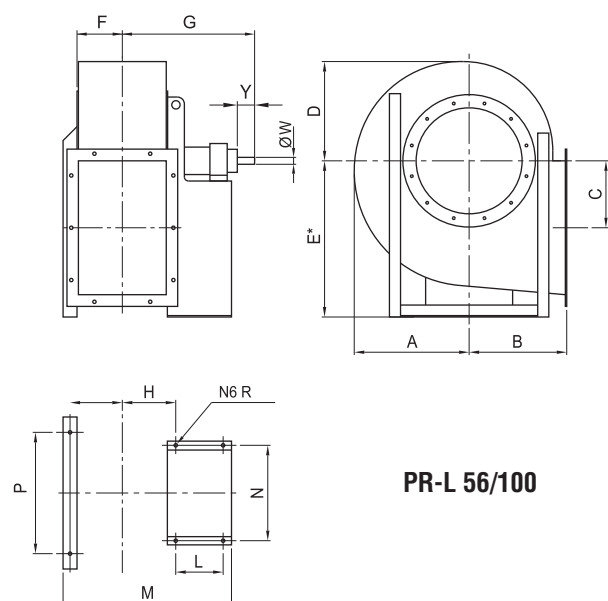
NB.: E* Vedi tabella orientamenti pag. 114 sez.6
See discharge angle schedule pag. 114 sez.6



PR-L 31/50

TIPO TYPE	H	I	L	M	N	P	ØR	ALBERO/SHAFT		kg
								ØW	Y	
PR-L 31	157	-	284	347	288	-	12	24	50	46
PR-L 35	181	-	407	485	355	-	14	28	60	72
PR-L 40	197	-	407	485	355	-	14	38	80	85
PR-L 45	215	-	407	485	355	-	14	38	80	100
PR-L 50	235	-	477	560	364	-	17	42	110	142
PR-L 56	256	232	477	1021	632	632	17	48	110	178
PR-L 63	280	257	477	1070	702	702	17	48	110	230
PR-L 71	313	287	551	1217	772	772	19	48	110	280
PR-L 80	344	318	551	1299	862	862	19	55	110	352
PR-L 90	379	352	551	1360	962	962	19	55	110	435
PR-L 100	412	391	607	1522	1056	1056	19	65	140	570

Dimensioni in mm / Dimensions in mm



PR-L 56/100

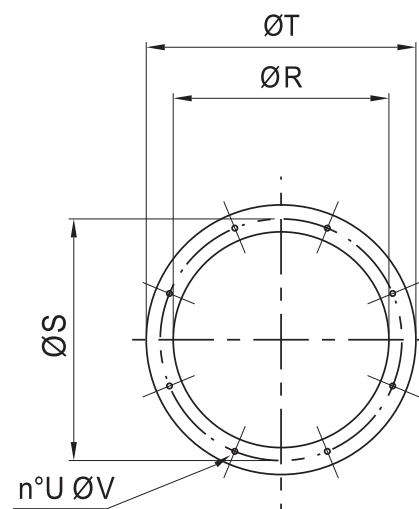
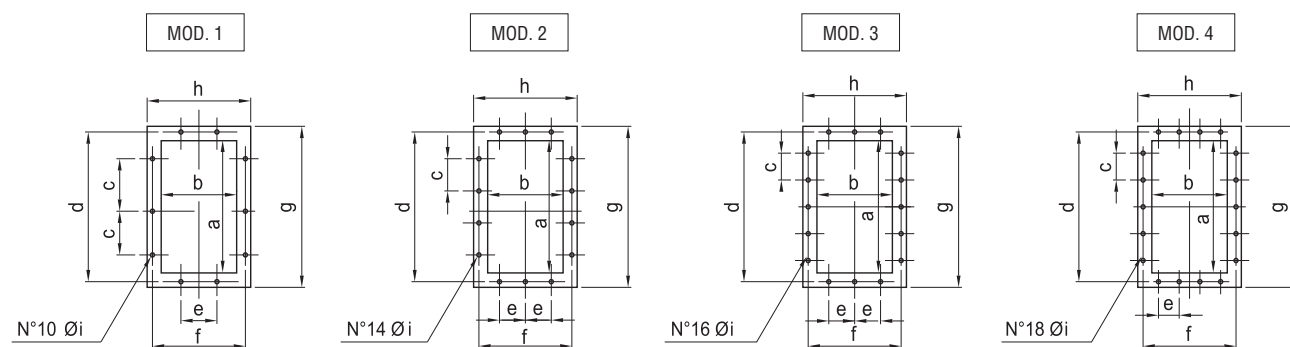
NOTE: PR-L 31/80 angolo orientamento modificabile
PR-L 90/100 angolo orientamento non modificabile

NOTE: PR-L 31/80 allow the modification to discharge angle
PR-L 90/100 do not allow the modification of discharge angle

BOCCA ASPIRANTE / INLET

TIPO TYPE	ØR	ØS	ØT	U	ØV
31	320	366	400	8	10
35	360	405	440	8	10
40	405	448	485	8	10
45	455	497	535	8	10
50	505	551	585	8	10
56	565	629	665	16	10
63	635	698	735	16	12
71	715	775	815	16	12
80	805	861	905	16	12
90	905	958	1005	16	12
100	1007	1067	1107	16	12

Dimensioni in mm / Dimensions in mm


BOCCA PREMENTE / OUTLET


TIPO TYPE	a	b	c	d	e	f	g	h	Øi	MOD.
31	322	229	125	366	125	273	402	309	12	1
35	361	256	125	405	125	300	441	336	12	1
40	404	288	125	448	125	332	484	368	12	2
45	453	322	125	497	125	366	533	402	12	2
50	507	361	125	551	125	405	587	441	12	2
56	569	404	160	629	160	464	669	504	14	2
63	638	453	160	698	160	513	738	553	14	2
71	715	507	160	775	160	567	815	607	14	3
80	801	569	200	871	200	639	921	689	14	2
90	898	638	200	968	200	708	1018	758	14	4
100	1007	715	200	1077	200	785	1127	835	14	4

Dimensioni in mm / Dimensions in mm

> PS-L

Ventilatori centrifughi pale rovesce per aria polverosa

Backward curved blade centrifugal fans for dusty air



Versioni / Versions:



DESCRIZIONE GENERALE

I ventilatori della serie PS-L trovano la loro principale applicazione negli impianti industriali di condizionamento, ventilazione, riscaldamento e filtrazione. Possono convogliare aria e fumi anche molto polverosi (non abrasivi), con temperatura max di 80°C nella configurazione standard e fino a 300°C con costruzioni speciali. La serie prevede esecuzioni direttamente accoppiate (esecuzione 4) e a trasmissione (esecuzione 1, 9 e 12). Adatto per portate elevate e pressioni medie.

COSTRUZIONE

- Cassa a spirale realizzata in lamiera d'acciaio e protetta contro gli agenti atmosferici con vernici a polveri epossipoliestiriche.
- Boccaglio d'aspirazione con ampio raggio realizzato in lamiera d'acciaio e protetto contro gli agenti atmosferici con vernici a polveri epossipoliestiriche.
- Girante a semplice aspirazione con pale rovesce curve ad alto rendimento aeraulico, realizzata in lamiera e verniciata con vernici a polveri epossipoliestiriche. Sono previste versioni per alte velocità di rotazione in classe 3.
- Per esecuzione 1 – 9 – 12: supporto monoblocco realizzato in fusione di ghisa, con cuscinetti a sfera, progettati per agevolare le operazioni di lubrificazione. Cinghie di trasmissione, pulegge e supporto motore. Carter di protezione per le cinghie.
- Motore asincrono trifase a norme internazionali IEC 60034, IEC 60072, EMC 2004/108/CE, LVD 2006/95/CE e marcato CE IP55, classe F, idonei ad un servizio S1 (funzionamento continuo a carico costante).

ACCESSORI (disponibili su richiesta)

- Tappo scarico condensa (TS)
- Portella d'ispezione (PI)
- Controflangia per bocca aspirante (CFA)
- Controflangia per bocca premente (CFP)
- Rete di protezione per bocca aspirante (RA)
- Rete di protezione per bocca premente (RP)
- Giunto antivibrante per bocca aspirante (GA)
- Giunto antivibrante per bocca premente (GP)
- Regolatore di portata in aspirazione
- Serranda ad alette contrapposte in premente
- Supporti antivibranti

A RICHIESTA

- Versione idonea al trasporto di gas caldi, max 150°C (PS-L/AT es 4).
- Versione idonea al trasporto di gas caldi, max 300°C (PS-L/AT es 1-12).
- Versione resistente all'azione corrosiva del gas trasportato, realizzata con cassa, boccaglio e girante in acciaio inossidabile AISI304 (PS-L/INOX).
- Versione ATEX: motore asincrono trifase I12G, I12D, I12GD a norme internazionali IEC 60034, IEC 60072, IEC 60079 e/o IEC 61241, EMC 2004/108/CE, LVD 2006/95/CE, con certificati ATEX e marcatura CE, IP 55/IP 65, classe F, idonei ad un servizio S1 (funzionamento continuo a carico costante).

GENERAL DESCRIPTION

Fans of PS-L series find their main application in industrial plants of conditioning, ventilation, heating and filtering; they can also be used as part of manufacturing process (wood industry, chemical industry, mills, mines, foundries, etc.). They can convey very dusty (not abrasive) air and smoke, with max. temperature of 80°C in the standard configuration and up to 300°C with specials constructions. The series foresees direct drive version (execution 4) and belt drive version (execution 1, 9 and 12). Suitable for high capacity, medium pressures.

CONSTRUCTION

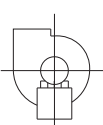
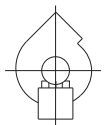
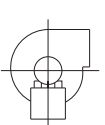
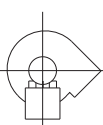
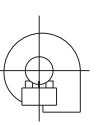
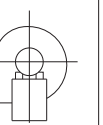
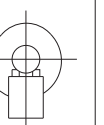
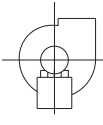
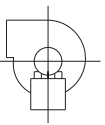
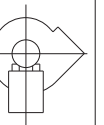
- Volute casing in steel sheet, protected against atmospheric agents by epoxy paint.
- Aerodynamically shaped inlet cone in steel sheet, protected against atmospheric agents by epoxy paint.
- Single inlet backward curved wheel with high efficiency, manufactured in steel sheet and epoxy painted. For high rotational speed, versions in class 3 are foreseen.
- For execution 1 – 9 – 12: mono-block support in cast iron with ball bearings, designed for easy lubrication. Pulleys, belts and motor support. Belt protection guard.
- Asynchronous three-phase motors according to international standards IEC 60034, IEC 60072, EMC 2004/108/CE, LVD 2006/95/CE, CE marked, IP 55, class F, suitable to S1 service (continuous working at constant load).

ACCESSORIES (available upon request)

- Condensation drain hole (TS)
- Inspection door (PI)
- Inlet counter-flange (CFA)
- Outlet counter-flange (CFP)
- Inlet protection guard (RA)
- Outlet protection guard (RP)
- Inlet flexible connector (GA)
- Outlet flexible connector (GP)
- Inlet vane control
- Outlet setting shutter
- Anti-vibration mounts

UPON REQUEST

- High temperature version suitable for conveying hot gases, Max 150°C (PS-L/AT EX4).
- High temperature version suitable for conveying hot gases, Max 300°C (PS-L/AT EX1,12).
- Corrosion resistant version, manufactured with casing, inlet side and impeller in stainless steel AISI304 (PS-L/INOX).
- ATEX version, with asynchronous three-phase motors I12G, I12D, I12GD according to international standards IEC 60034, IEC 60072, IEC 60079 and/or IEC61241, EMC 2004/108/CE, LVD 2006/95/CE, with ATEX certification, CE marked, IP55/IP 65, class F, suitable to S1 service (continuous working at constant load).

Rotazione Rotation RD								
Forma-Form	0	45	90	135	180(*)	225(*)	270	315
Rotazione Rotation LG								
Altezza-Height	E1				E2		E3	

NB.: Orientamento standard **LG270°** / Standard orientation **LG270°**

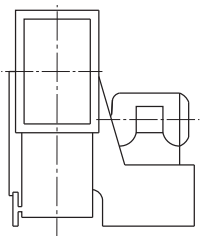
(*) Richiede costruzione speciale / Request special construction

ESECUZIONI *Executions*

PS-L

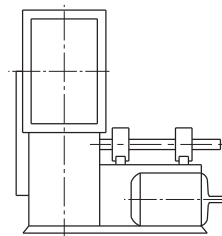
4: Girante a sbalzo direttamente accoppiata al motore, sostenuta dalla base/sedia.

4: *Impeller directly coupled to the motor supported by the motor support base.*



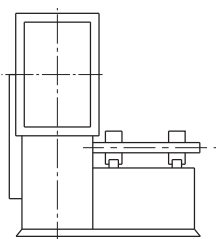
9: Come esecuzione 1 con predisposizione al montaggio del motore posto sul fianco della base/sedia.

9: *Same as execution 1 with arrangement for the motor assembled on the side of the support base.*



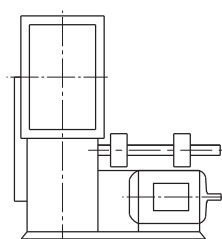
1: Predisposizione all'accoppiamento con cinghie e pulegge, girante a sbalzo, direttamente accoppiata a supporto sostenuto dalla base/sedia.

1: *Arrangement for belt drive with impeller directly coupled to the support shaft carried by the motor support base.*



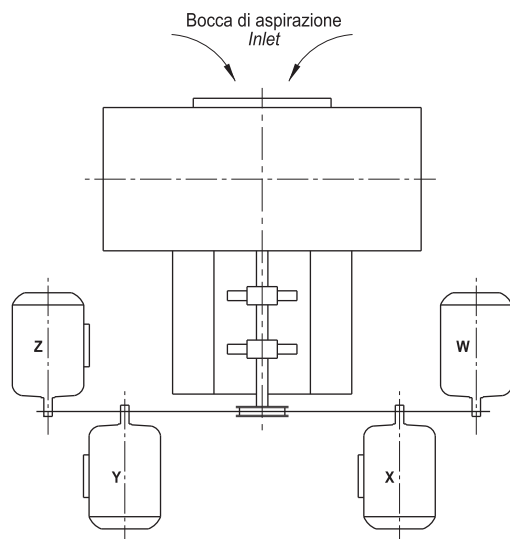
12: come esecuzione 1 con predisposizione al montaggio del motore e ventilatore su unico telaio di fondazione.

12: *Same as execution 1 with arrangement for fan and motor mounted on common basement.*



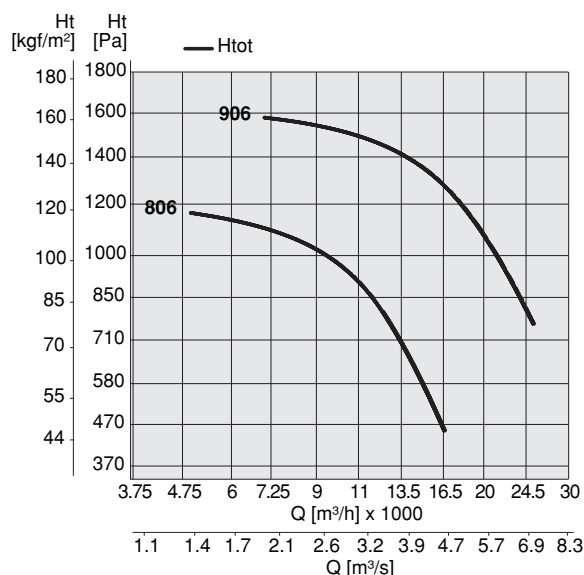
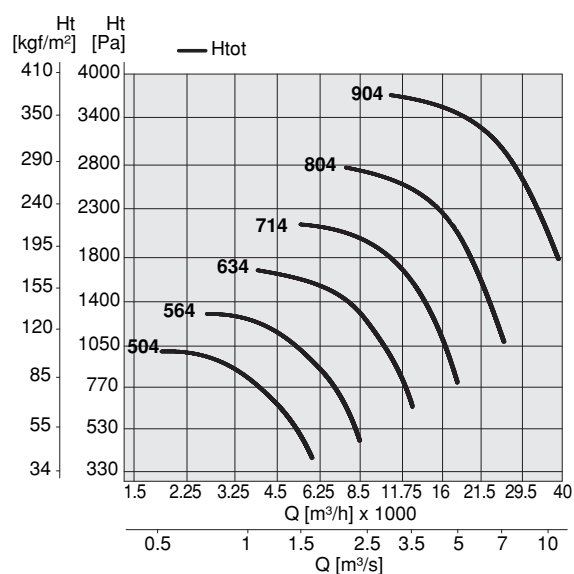
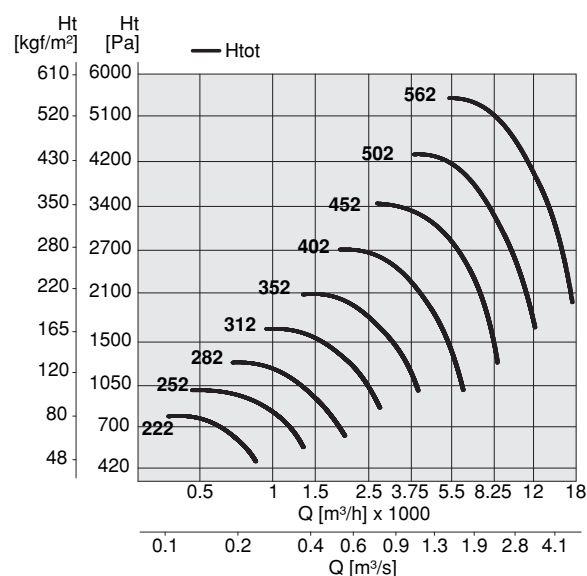
POSIZIONE MOTORE *Motor position*

PS-L



Frequenza 50Hz – Temperatura dell'aria 15°C – Pressione barometrica 760 mm Hg – Peso specifico dell'aria 1,22 Kg/m³
Frequency 50Hz – Air temperature 15°C – Barometric pressure 760 mm Hg – Air specific weight 1,22 Kg/m³

Lp: livello di pressione sonora rilevato a 1,50 m - **Lp**: sound pressure level measured at 1,50 m



PS-L 22

Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PS-L	222	T	2	0,18	0,60	55/F	62

Limiti d'impiego - Operational limit

Tipo Type	Modello Model	Q max (m³/h)	Pt min (mm H ₂ O)	C max (m/s)	S (m²)	Pd² (kgm²)	Mot. (Gr)
PS-L	222	850	47	19,64	0,012	0,08	63

PS-L 25

Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PS-L	252	T	2	0,37	1,10	55/F	62

Limiti d'impiego - Operational limit

Tipo Type	Modello Model	Q max (m³/h)	Pt min (mm H ₂ O)	C max (m/s)	S (m²)	Pd² (kgm²)	Mot. (Gr)
PS-L	252	1335	56	12,39	0,03	0,10	71

PS-L 28

Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PS-L	282	T	2	0,75	1,90	55/F	64

Limiti d'impiego - Operational limit

Tipo Type	Modello Model	Q max (m³/h)	Pt min (mm H ₂ O)	C max (m/s)	S (m²)	Pd² (kgm²)	Mot. (Gr)
PS-L	282	1980	64	14,53	0,038	0,16	80

PS-L 31

Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PS-L	312	T	2	1,50	3,40	55/F	70

Limiti d'impiego - Operational limit

Tipo Type	Modello Model	Q max (m³/h)	Pt min (mm H ₂ O)	C max (m/s)	S (m²)	Pd² (kgm²)	Mot. (Gr)
PS-L	312	2760	87	16,35	0,047	0,21	90

Frequenza 50Hz – Temperatura dell'aria 15°C – Pressione barometrica 760 mm Hg – Peso specifico dell'aria 1,22 Kg/m³
Frequency 50Hz – Air temperature 15°C – Barometric pressure 760 mm Hg – Air specific weight 1,22 Kg/m³

Lp: livello di pressione sonora rilevato a 1,50 m - **Lp:** sound pressure level measured at 1,50 m

PS-L 35

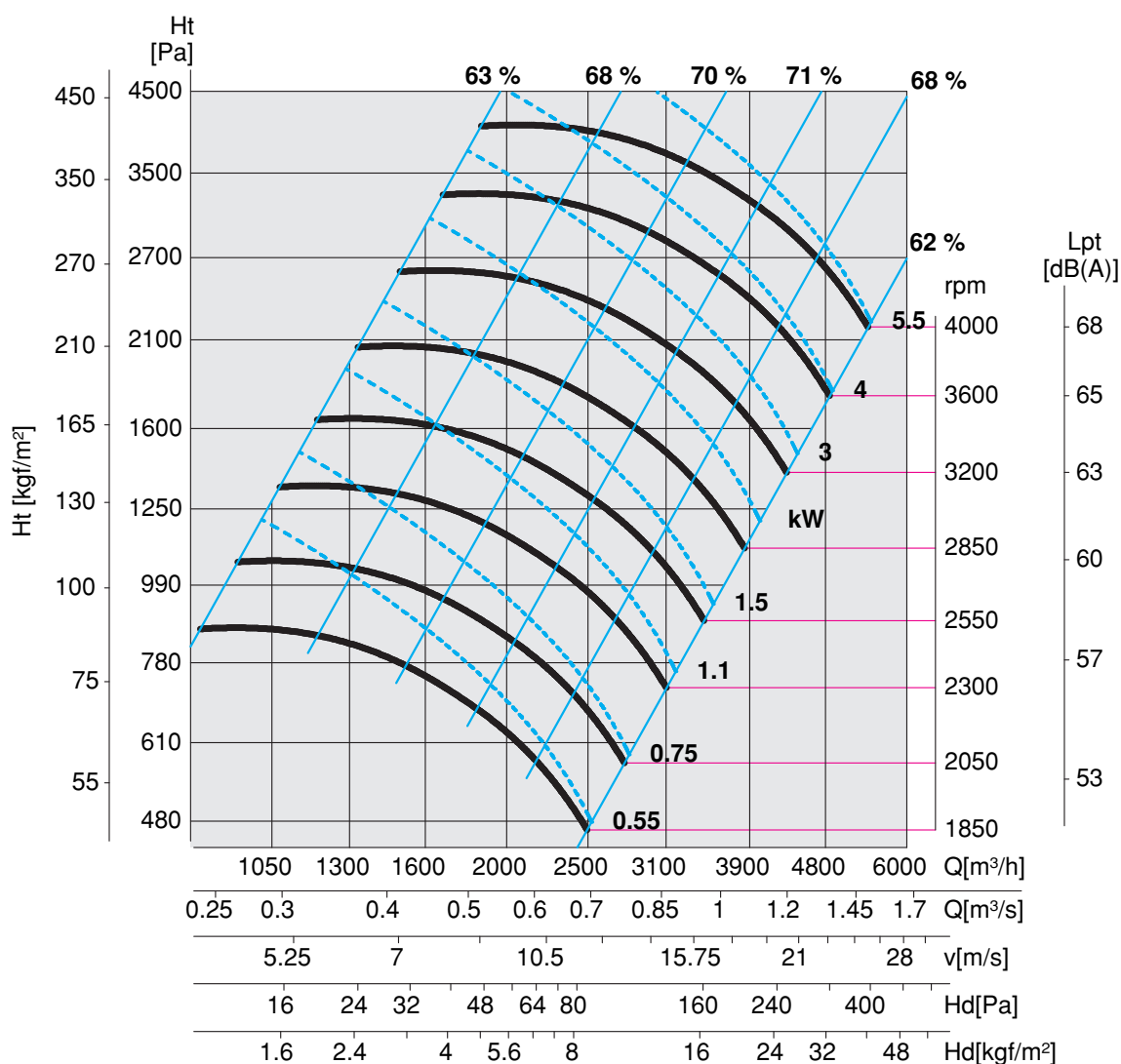
Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PS-L	352	T	2	2,20	4,90	55/F	73

Limiti d'impiego - Operational limit

Tipo Type	Modello Model	Q max (m ³ /h)	Pt min (mm H ₂ O)	C max (m/s)	S (m ²)	Pd ² (kgm ²)	Mot. (Gr)
PS-L	352	3860	114	18,20	0,059	0,50	90

Limite massimo dei giri in funzione della temperatura dell'aria - Maximum rpm with regard to air temperature

Temperatura aria Air temperature	rpm	Costruzione Construction
0°C – 100°C	4000	Standard
100°C – 200°C	3550	Alta temperatura/High temperature (PSL-AT)
200°C – 300°C	3150	Alta temperatura/High temperature (PSL-AT)



Frequenza 50Hz – Temperatura dell'aria 15°C – Pressione barometrica 760 mm Hg – Peso specifico dell'aria 1,22 Kg/m³
Frequency 50Hz – Air temperature 15°C – Barometric pressure 760 mm Hg – Air specific weight 1,22 Kg/m³

Lp: livello di pressione sonora rilevato a 1,50 m - **Lp**: sound pressure level measured at 1,50 m

PS-L 40

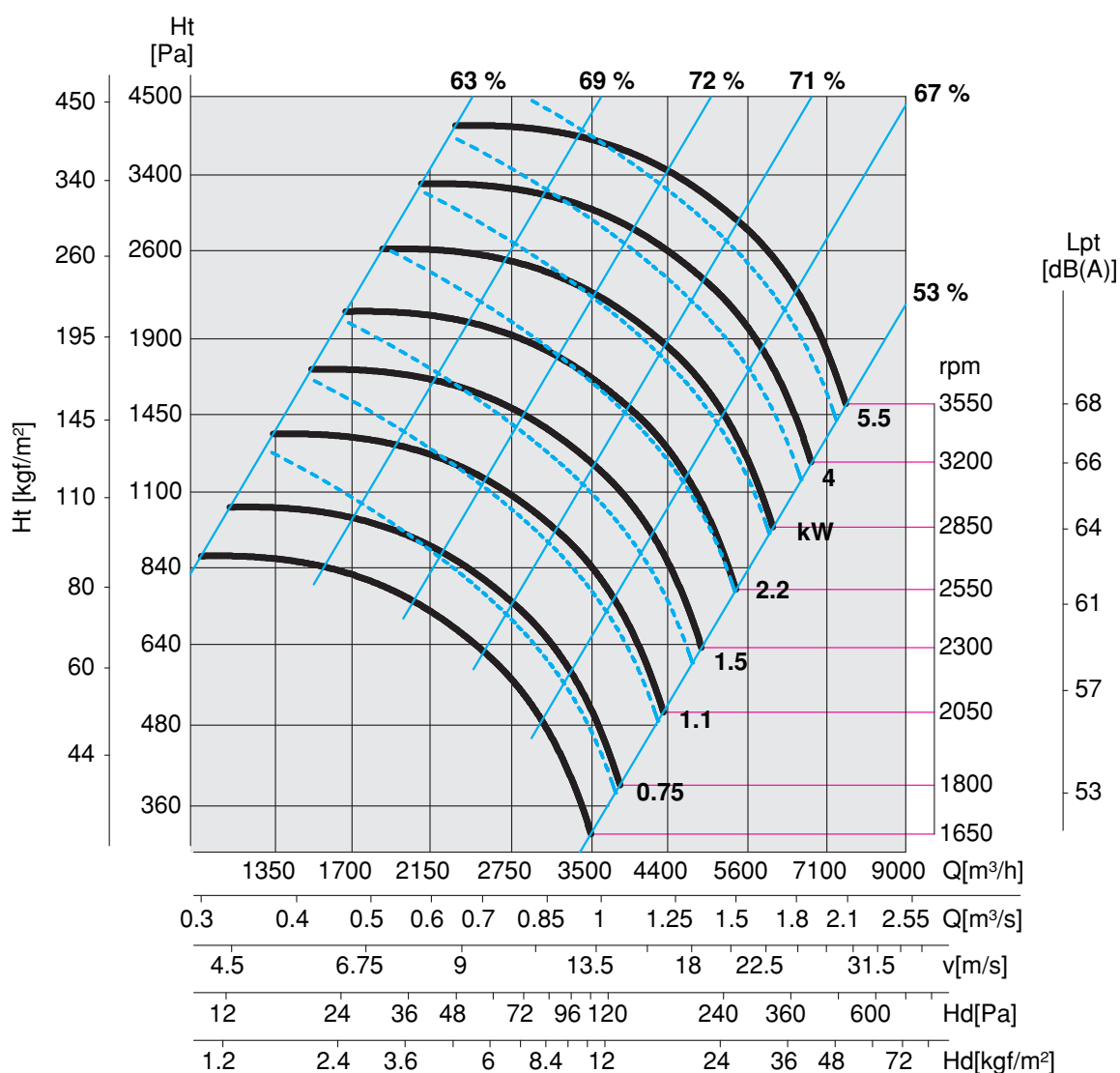
Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PS-L	402	T	2	4,00	8,00	55/F	77

Limiti d'impiego - Operational limit

Tipo Type	Modello Model	Q max (m ³ /h)	Pt min (mm H ₂ O)	C max (m/s)	S (m ²)	Pd ² (kgm ²)	Mot. (Gr)
PS-L	402	6120	104	23,28	0,073	0,80	112

Limite massimo dei giri in funzione della temperatura dell'aria - Maximum rpm with regard to air temperature

Temperatura aria Air temperature	rpm	Costruzione Construction
0°C – 100°C	3550	Standard
100°C – 200°C	3150	Alta temperatura/High temperature (PSL-AT)
200°C – 300°C	2800	Alta temperatura/High temperature (PSL-AT)



Frequenza 50Hz – Temperatura dell'aria 15°C – Pressione barometrica 760 mm Hg – Peso specifico dell'aria 1,22 Kg/m³
Frequency 50Hz – Air temperature 15°C – Barometric pressure 760 mm Hg – Air specific weight 1,22 Kg/m³

Lp: livello di pressione sonora rilevato a 1,50 m - **Lp:** sound pressure level measured at 1,50 m

PS-L 45

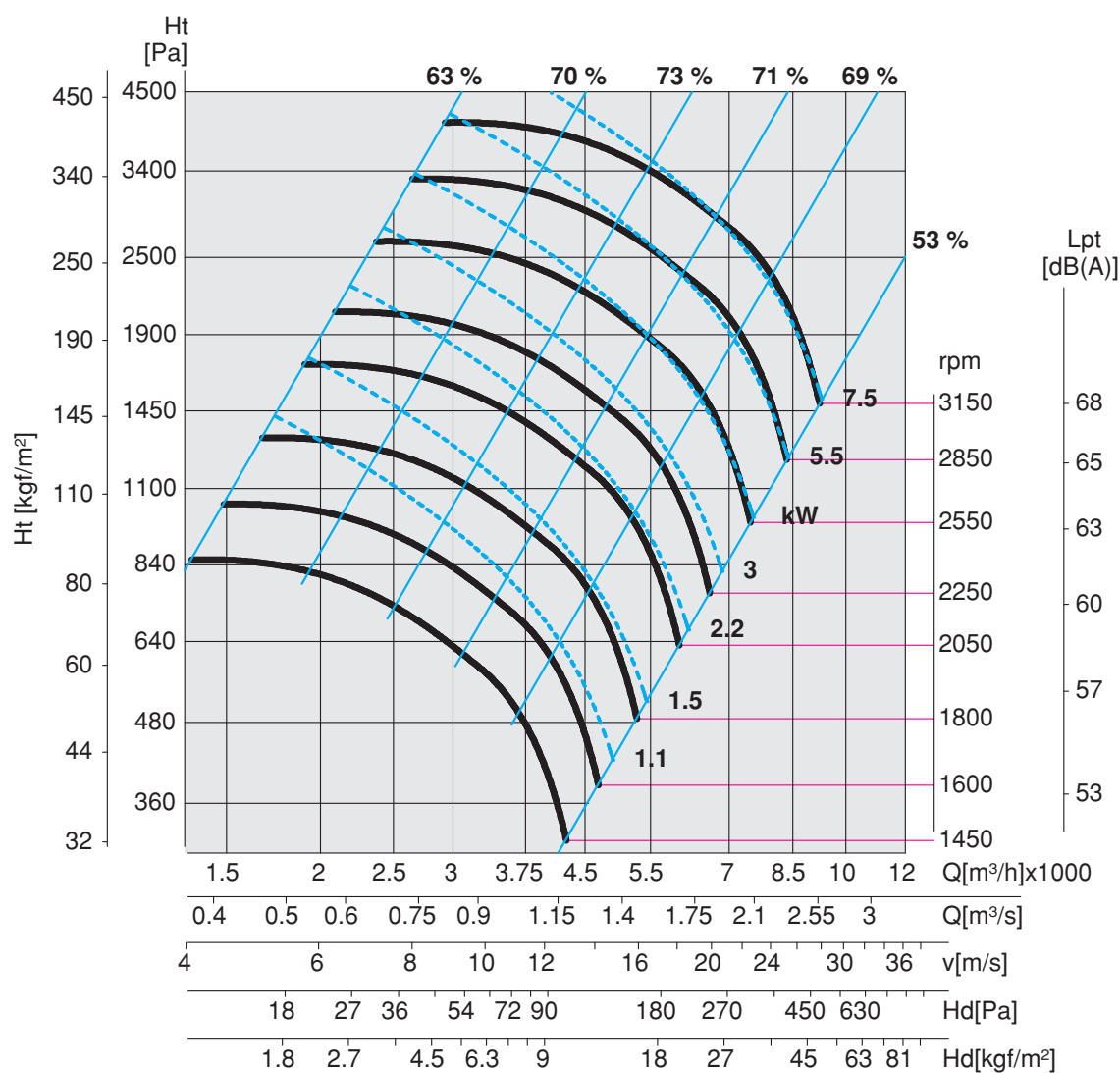
Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PS-L	452	T	2	7,50	14,10	55/F	80

Limiti d'impiego - Operational limit

Tipo Type	Modello Model	Q max (m ³ /h)	Pt min (mm H ₂ O)	C max (m/s)	S (m ²)	Pd ² (kgm ²)	Mot. (Gr)
PS-L	452	8500	132	25,66	0,092	1,40	132

Limite massimo dei giri in funzione della temperatura dell'aria - Maximum rpm with regard to air temperature

Temperatura aria Air temperature	rpm	Costruzione Construction
0°C – 100°C	3150	Standard
100°C – 200°C	2800	Alta temperatura/High temperature (PSL-AT)
200°C – 300°C	2500	Alta temperatura/High temperature (PSL-AT)



Frequenza 50Hz – Temperatura dell'aria 15°C – Pressione barometrica 760 mm Hg – Peso specifico dell'aria 1,22 Kg/m³
Frequency 50Hz – Air temperature 15°C – Barometric pressure 760 mm Hg – Air specific weight 1,22 Kg/m³

Lp: livello di pressione sonora rilevato a 1,50 m - **Lp**: sound pressure level measured at 1,50 m

PS-L 50

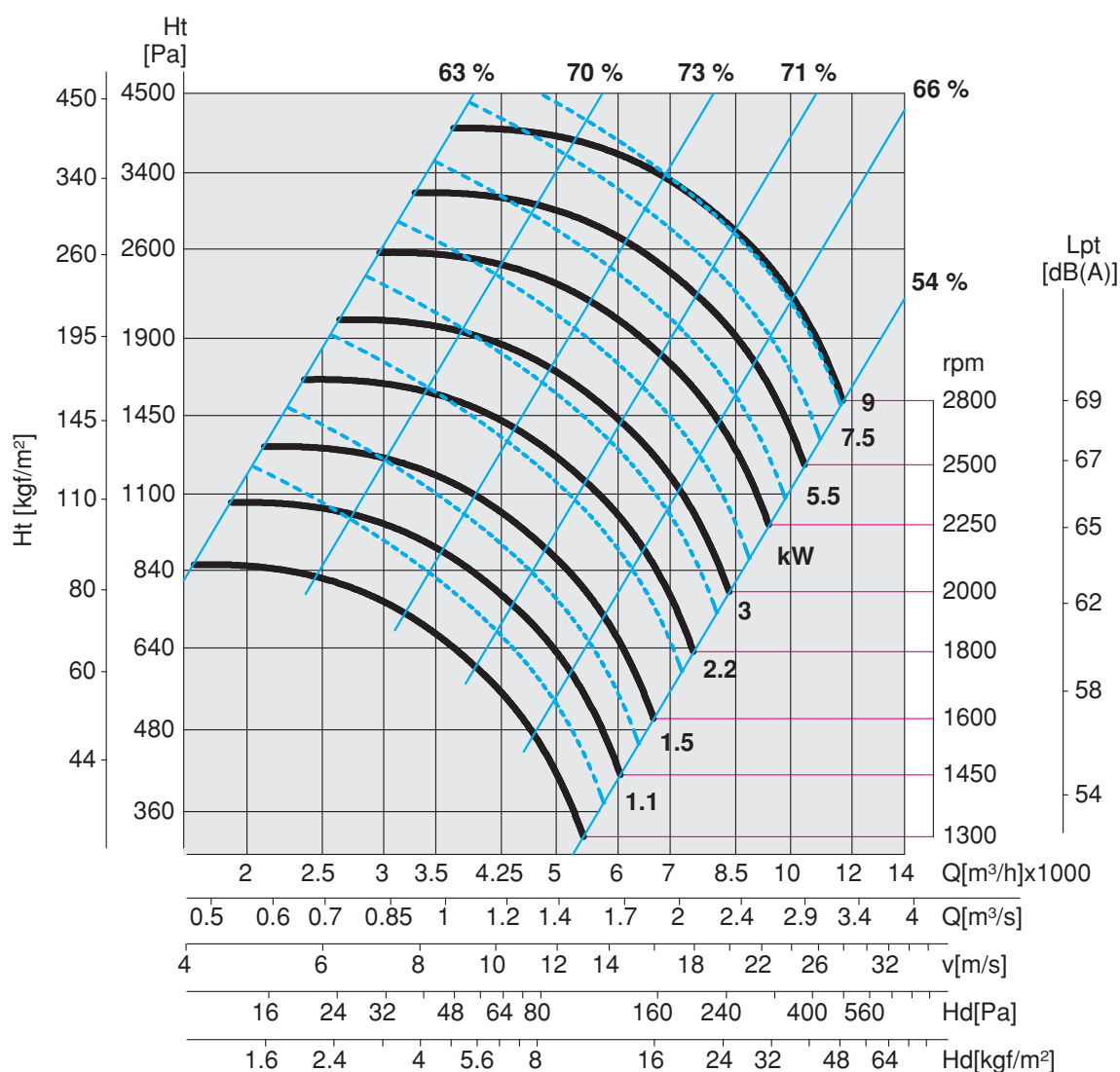
Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PS-L	502	T	2	15,00	27,50	55/F	84
PS-L	504	T	4	1,50	3,60	55/F	68

Limiti d'impiego - Operational limit

Tipo Type	Modello Model	Q max (m ³ /h)	Pt min (mm H ₂ O)	C max (m/s)	S (m ²)	Pd ² (kgm ²)	Mot. (Gr)
PS-L	502	12130	171	29,05	0,116	2,60	160
PS-L	504	5850	40	14,02	0,116	2,60	90

Limite massimo dei giri in funzione della temperatura dell'aria - Maximum rpm with regard to air temperature

Temperatura aria Air temperature	rpm	Costruzione Construction
0°C – 100°C	2800	Standard
100°C – 200°C	2500	Alta temperatura/High temperature (PSL-AT)
200°C – 300°C	2250	Alta temperatura/High temperature (PSL-AT)



Frequenza 50Hz – Temperatura dell'aria 15°C – Pressione barometrica 760 mm Hg – Peso specifico dell'aria 1,22 Kg/m³
Frequency 50Hz – Air temperature 15°C – Barometric pressure 760 mm Hg – Air specific weight 1,22 Kg/m³

Lp: livello di pressione sonora rilevato a 1,50 m - **Lp**: sound pressure level measured at 1,50 m

PS-L 56

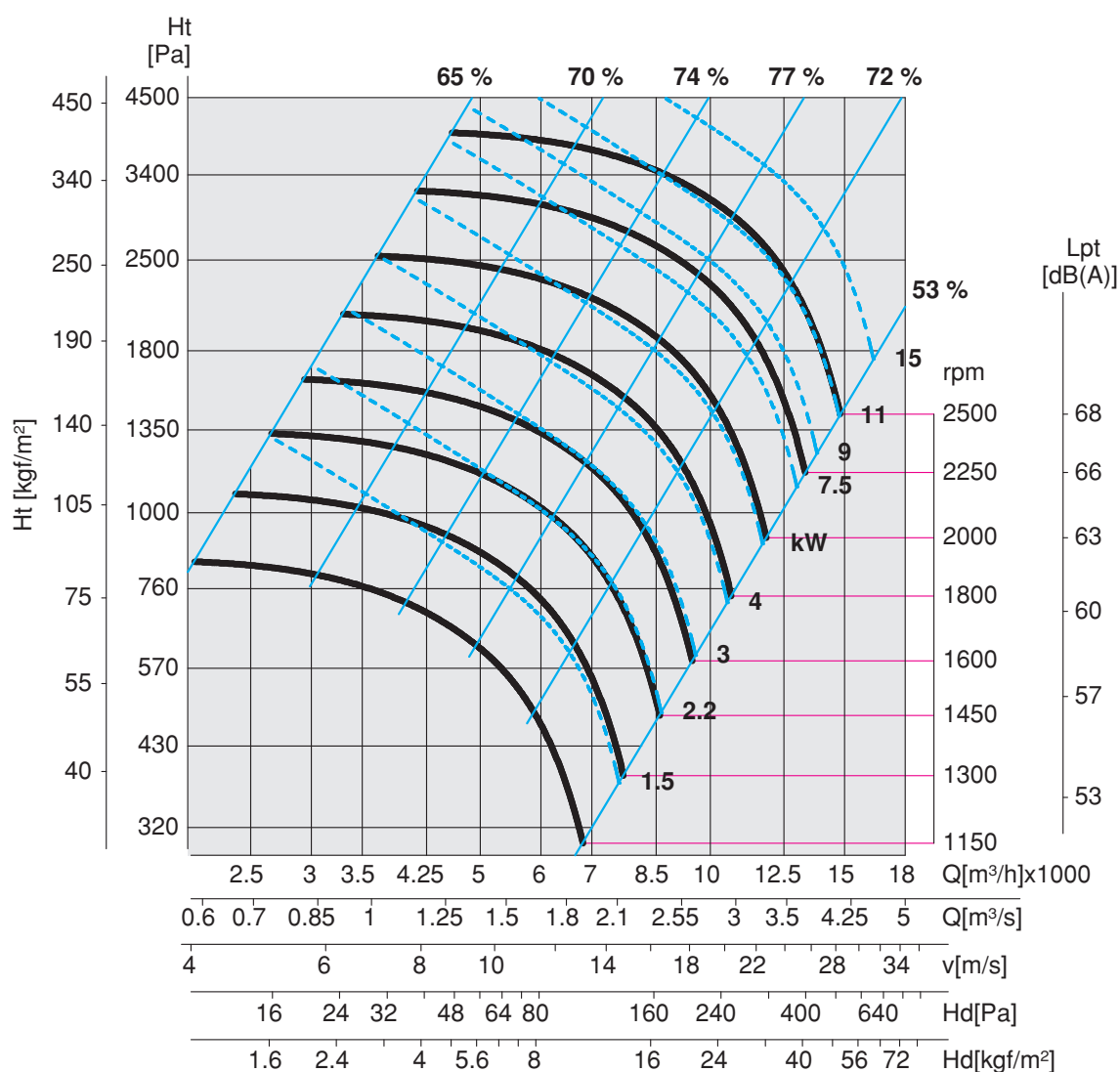
Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PS-L	562	T	2	22,00	39,50	55/F	87
PS-L	564	T	4	3,00	6,80	55/F	70

Limiti d'impiego - Operational limit

Tipo Type	Modello Model	Q max (m ³ /h)	Pt min (mm H ₂ O)	C max (m/s)	S (m ²)	Pd ² (kgm ²)	Mot. (Gr)
PS-L	562	17350	202	33,24	0,145	3,80	180
PS-L	564	8450	48	16,19	0,145	3,80	100

Limite massimo dei giri in funzione della temperatura dell'aria - Maximum rpm with regard to air temperature

Temperatura aria Air temperature	rpm	Costruzione Construction
0°C – 100°C	2500	Standard
100°C – 200°C	2250	Alta temperatura/High temperature (PSL-AT)
200°C – 300°C	2000	Alta temperatura/High temperature (PSL-AT)



Frequenza 50Hz – Temperatura dell'aria 15°C – Pressione barometrica 760 mm Hg – Peso specifico dell'aria 1,22 Kg/m³
Frequency 50Hz – Air temperature 15°C – Barometric pressure 760 mm Hg – Air specific weight 1,22 Kg/m³

Lp: livello di pressione sonora rilevato a 1,50 m - **Lp**: sound pressure level measured at 1,50 m

PS-L 63

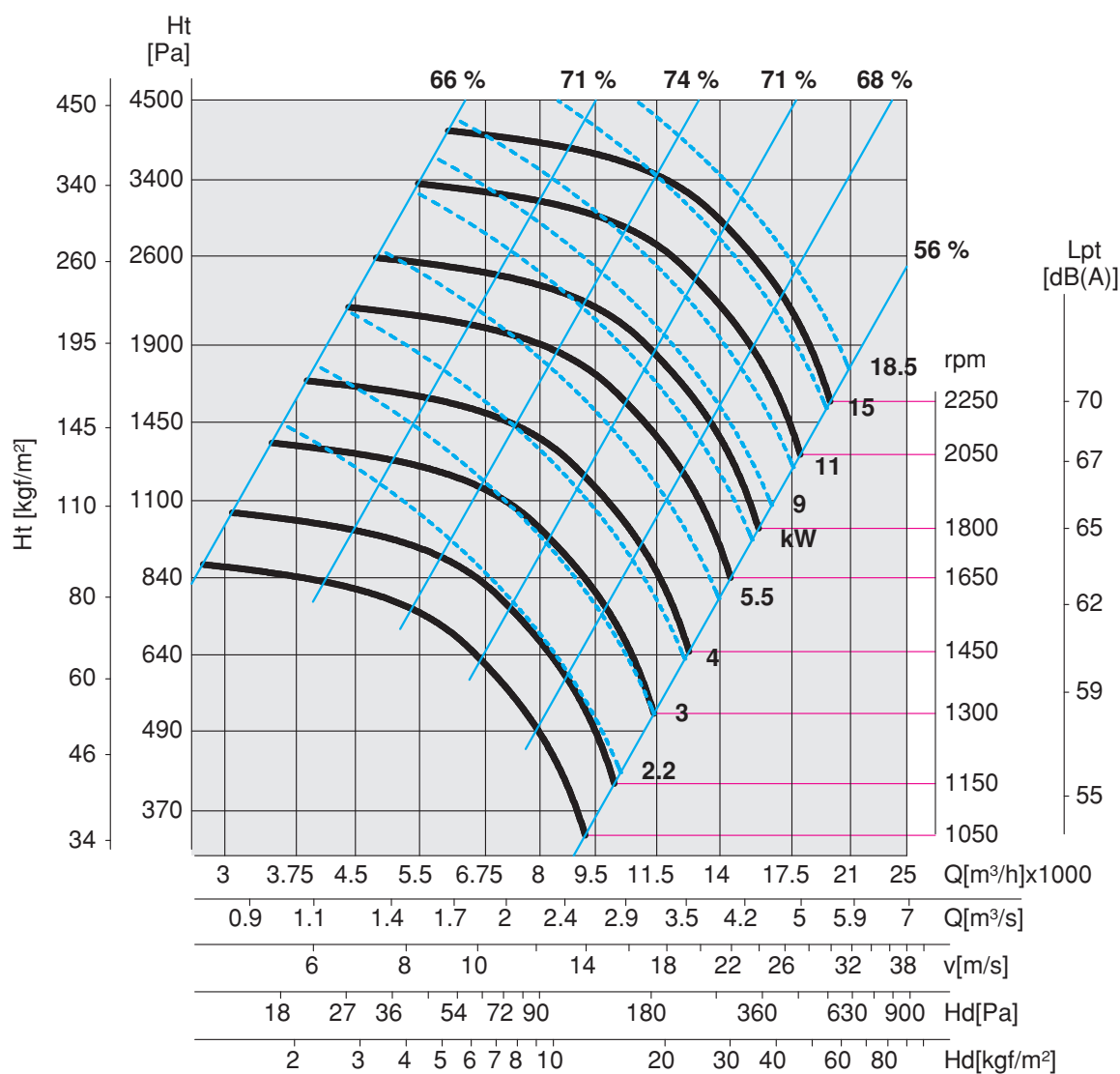
Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PS-L	634	T	4	5,50	11,30	55/F	73

Limiti d'impiego - Operational limit

Tipo Type	Modello Model	Q max (m ³ /h)	Pt min (mm H ₂ O)	C max (m/s)	S (m ²)	Pd ² (kgm ²)	Mot. (Gr)
PS-L	634	12700	66	19,28	0,183	6,70	132

Limite massimo dei giri in funzione della temperatura dell'aria - Maximum rpm with regard to air temperature

Temperatura aria Air temperature	rpm	Costruzione Construction
0°C – 100°C	2250	Standard
100°C – 200°C	2000	Alta temperatura/High temperature (PSL-AT)
200°C – 300°C	1800	Alta temperatura/High temperature (PSL-AT)



Frequenza 50Hz – Temperatura dell'aria 15°C – Pressione barometrica 760 mm Hg – Peso specifico dell'aria 1,22 Kg/m³
Frequency 50Hz – Air temperature 15°C – Barometric pressure 760 mm Hg – Air specific weight 1,22 Kg/m³

Lp: livello di pressione sonora rilevato a 1,50 m - **Lp:** sound pressure level measured at 1,50 m

PS-L 71

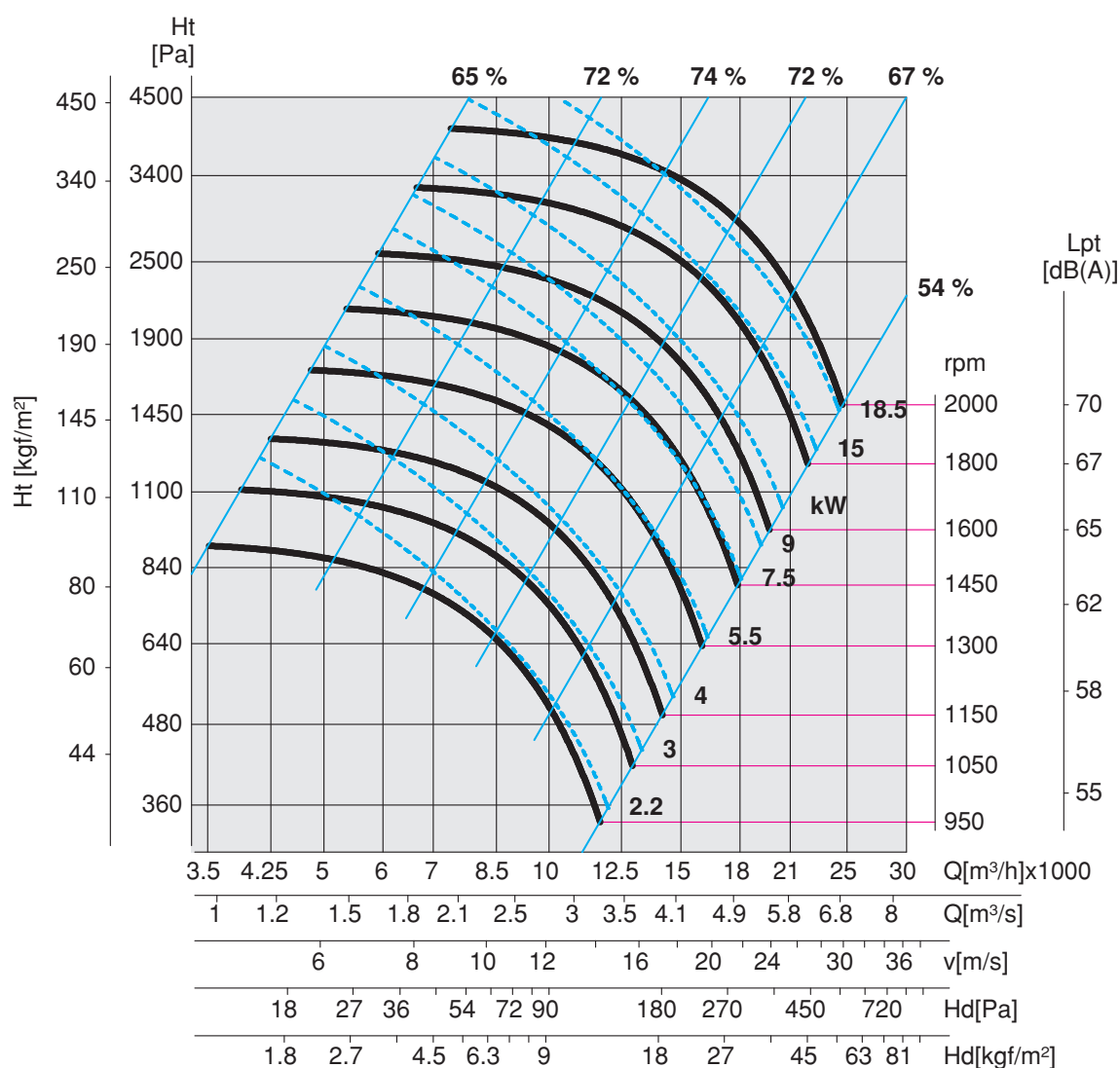
Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PS-L	714	T	4	11,00	22,00	55/F	76

Limiti d'impiego - Operational limit

Tipo Type	Modello Model	Q max (m ³ /h)	Pt min (mm H ₂ O)	C max (m/s)	S (m ²)	Pd ² (kgm ²)	Mot. (Gr)
PS-L	714	17860	82	21,67	0,229	12,00	160

Limite massimo dei giri in funzione della temperatura dell'aria - Maximum rpm with regard to air temperature

Temperatura aria Air temperature	rpm	Costruzione Construction
0°C – 100°C	2000	Standard
100°C – 200°C	1800	Alta temperatura/High temperature (PSL-AT)
200°C – 300°C	1600	Alta temperatura/High temperature (PSL-AT)



Frequenza 50Hz – Temperatura dell'aria 15°C – Pressione barometrica 760 mm Hg – Peso specifico dell'aria 1,22 Kg/m³
Frequency 50Hz – Air temperature 15°C – Barometric pressure 760 mm Hg – Air specific weight 1,22 Kg/m³

Lp: livello di pressione sonora rilevato a 1,50 m - **Lp**: sound pressure level measured at 1,50 m

PS-L 80

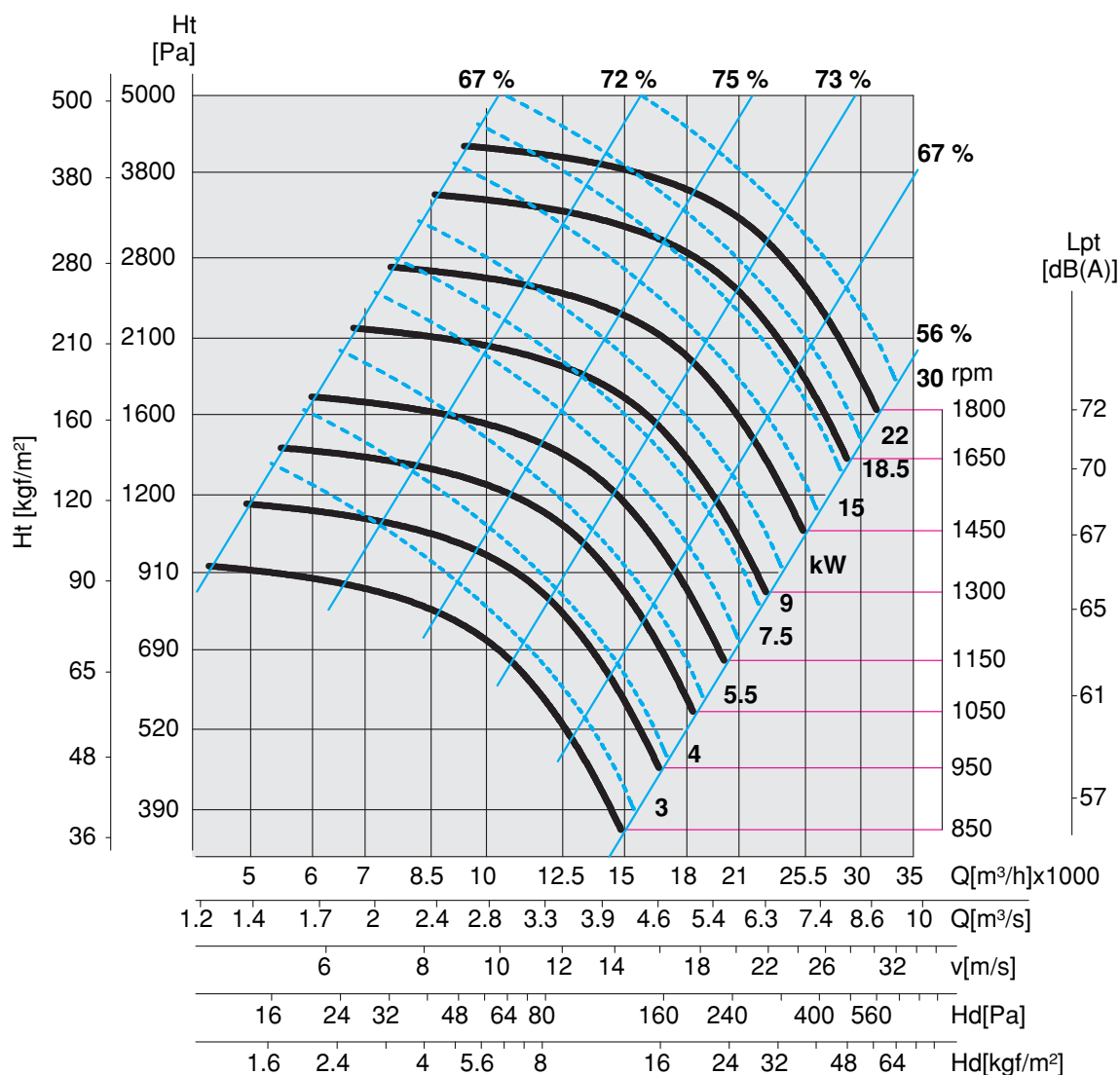
Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PS-L	804	T	4	18,50	35,00	55/F	81
PS-L	806	T	6	5,50	12,30	55/F	71

Limiti d'impiego - Operational limit

Tipo Type	Modello Model	Q max (m ³ /h)	Pt min (mm H ₂ O)	C max (m/s)	S (m ²)	Pd ² (kgm ²)	Mot. (Gr)
PS-L	804	25500	111	24,51	0,289	19,00	180
PS-L	806	16580	46	15,94	0,289	19,00	132

Limite massimo dei giri in funzione della temperatura dell'aria - Maximum rpm with regard to air temperature

Temperatura aria Air temperature	rpm	Costruzione Construction
0°C – 100°C	1800	Standard
100°C – 200°C	1600	Alta temperatura/High temperature (PSL-AT)
200°C – 300°C	1400	Alta temperatura/High temperature (PSL-AT)



Frequenza 50Hz – Temperatura dell'aria 15°C – Pressione barometrica 760 mm Hg – Peso specifico dell'aria 1,22 Kg/m³
Frequency 50Hz – Air temperature 15°C – Barometric pressure 760 mm Hg – Air specific weight 1,22 Kg/m³

Lp: livello di pressione sonora rilevato a 1,50 m - **Lp:** sound pressure level measured at 1,50 m

PS-L 90

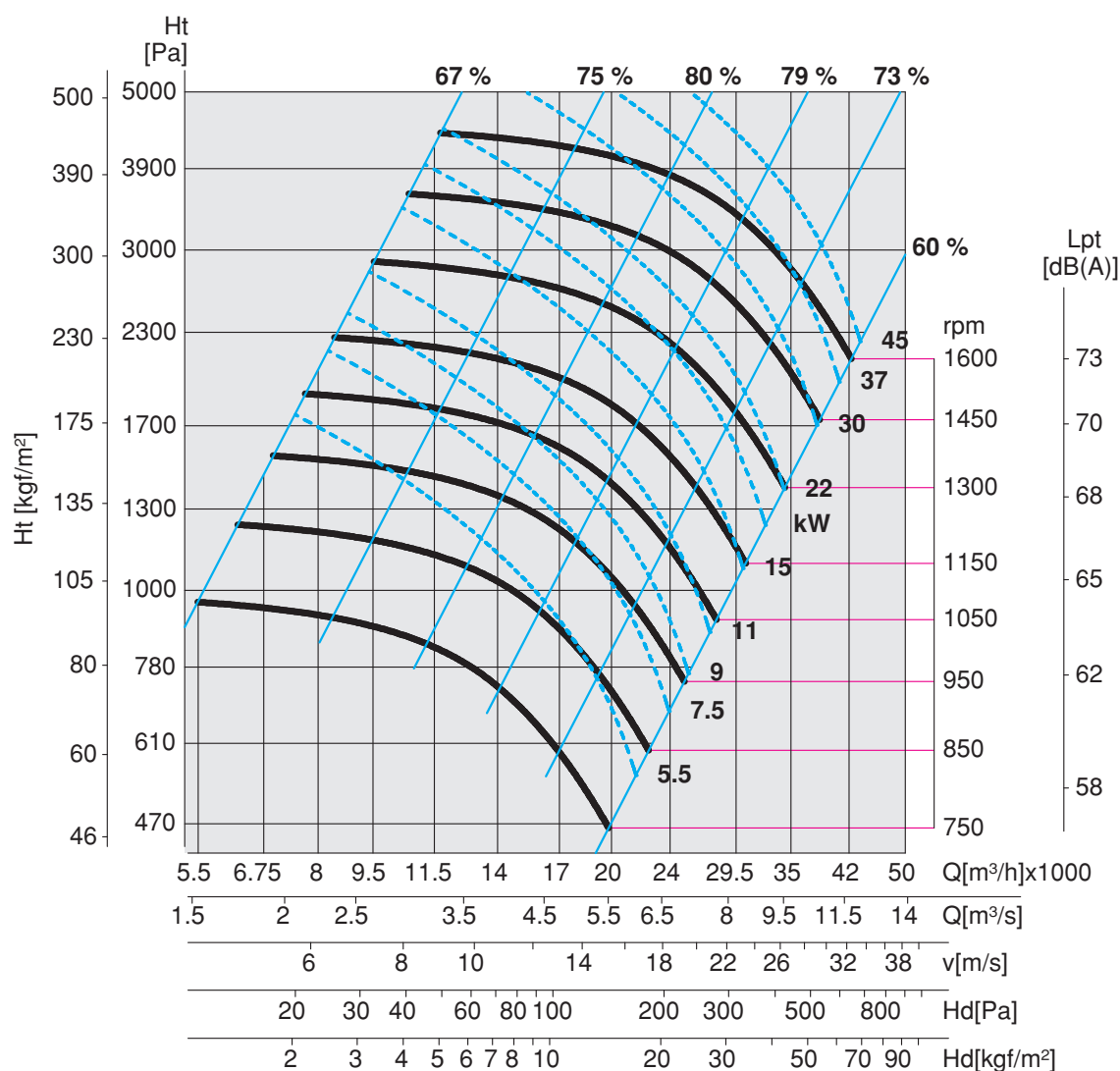
Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PS-L	904	T	4	37,00	68,00	55/F	84
PS-L	906	T	6	11,00	22,00	55/F	74

Limiti d'impiego - Operational limit

Tipo Type	Modello Model	Q max (m ³ /h)	Pt min (mm H ₂ O)	C max (m/s)	S (m ²)	Pd ² (kgm ²)	Mot. (Gr)
PS-L	904	38660	183	29,67	0,362	34,00	225
PS-L	906	25290	78	19,41	0,362	34,00	160

Limite massimo dei giri in funzione della temperatura dell'aria - Maximum rpm with regard to air temperature

Temperatura aria Air temperature	rpm	Costruzione Construction
0°C – 100°C	1600	Standard
100°C – 200°C	1400	Alta temperatura/High temperature (PSL-AT)
200°C – 300°C	1250	Alta temperatura/High temperature (PSL-AT)

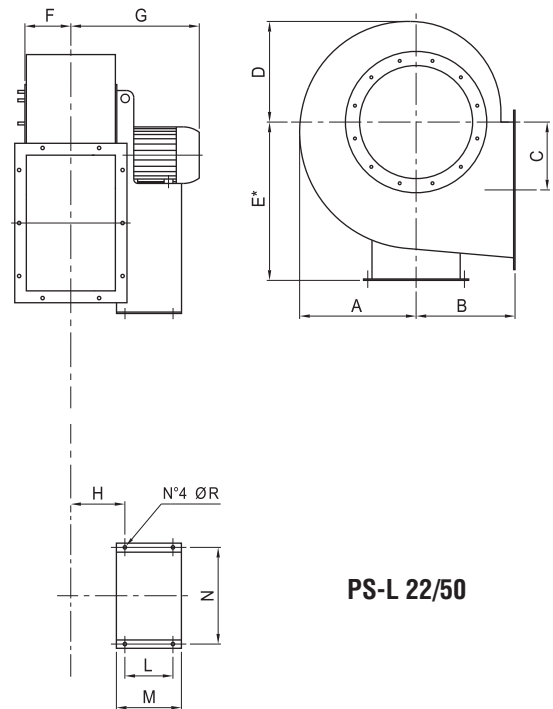


ESECUZIONE / ARRANGEMENT - 4

TIPO TYPE	A	B	C	D	E1	E*	E3	F
					0°+135°	180°+225°	270°+315°	
PS-L 22	195	165	150	170	255	165	255	62
PS-L 25	246	195	175	211	315	195	315	86
PS-L 28	277	200	202	235	375	200	375	95
PS-L 31	302	225	229	258	400	225	400	105
PS-L 35	345	255	253	290	450	255	450	115
PS-L 40	370	285	286	315	500	285	500	127
PS-L 45	495	320	321	355	560	320	560	141
PS-L 50	472	360	355	400	600	360	600	157
PS-L 56	540	400	390	456	670	400	670	177
PS-L 63	602	450	439	510	750	450	750	195
PS-L 71	689	500	500	566	670	500	850	216
PS-L 80	780	560	560	641	755	560	950	241
PS-L 90	870	630	630	720	850	630	1060	275

Dimensioni in mm / Dimensions in mm

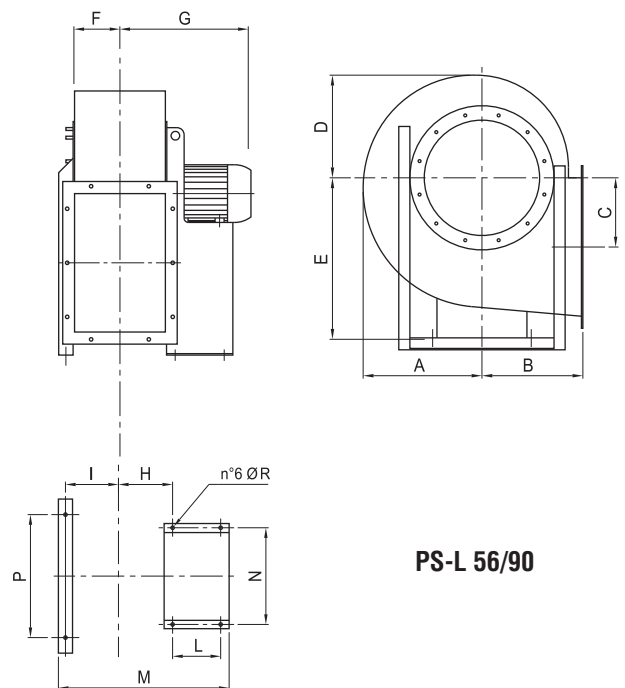
NB.: E* Vedi tabella orientamenti pag. 132 sez.6
See discharge angle schedule pag. 132 sez.6



PS-L 22/50

TIPO TYPE	POLI POLES	G	H	I	L	M	N	P	ØR	kg
PS-L 22	2	254	100	-	86	145	184	-	10	18
PS-L 25	2	290	121	-	121	180	203	-	10	26
PS-L 28	2	322	131	-	121	180	203	-	10	32
PS-L 31	2	352	151	-	133	205	234	-	10	44
PS-L 35	2	387	162	-	133	205	234	-	10	69
PS-L 40	2	475	148	-	197	250	289	-	12	110
PS-L 45	2	502	171	-	237	300	337	-	12	158
PS-L 50	2	646	198	-	337	415	395	-	17	247
"	4	431	203	195	133	205	234	-	12	135
PS-L 56	2	716	235	195	357	835	434	632	17	316
"	4	486	195	195	197	625	289	632	12	144
PS-L 63	4	582	225	215	237	714	337	702	12	191
PS-L 71	4	698	282	235	316	879	772	772	20	308
PS-L 80	4	743	286	260	361	993	862	862	20	430
"	6	633	286	260	201	833	862	862	20	340
PS-L 90	4	926	313	287	441	1127	962	962	20	620
"	6	736	313	287	316	1002	962	962	20	495

Dimensioni in mm / Dimensions in mm



PS-L 56/90

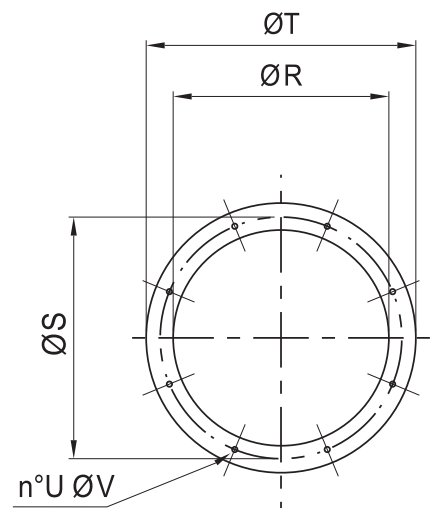
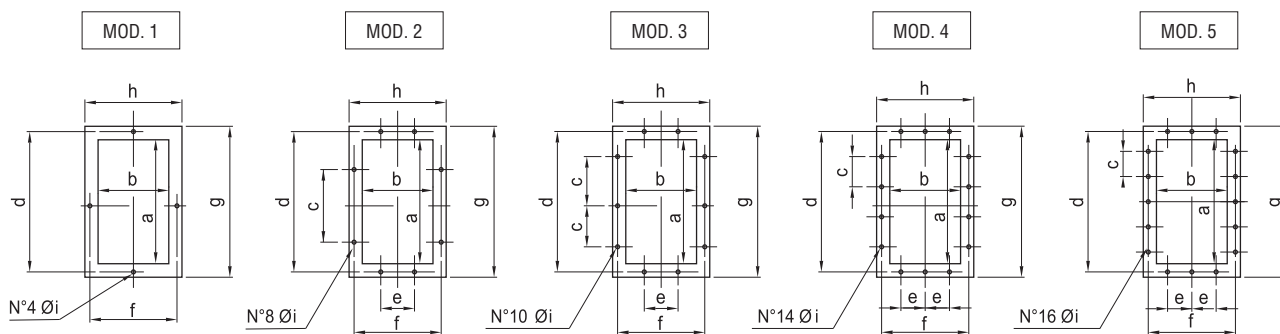
NOTE: PS-L 22/63 angolo orientamento modificabile
PS-L 71/90 angolo orientamento non modificabile

NOTE: PS-L 22/63 allow the modification of discharge angle
PS-L 71/90 do not allow the modification of discharge angle

BOCCA ASPIRANTE / INLET

TIPO/TYPE	ØR	ØS	ØT	U	ØV
22	130	150	170	4	8
25	185	219	255	8	8
28	205	241	275	8	8
31	228	265	298	8	8
35	255	292	325	8	10
40	285	332	365	8	10
45	320	366	400	8	10
50	360	405	440	8	10
56	405	448	485	12	10
63	455	497	535	12	10
71	505	551	585	12	10
80	565	629	665	12	10
90	635	698	735	12	12

Dimensioni in mm / Dimensions in mm


BOCCA PREMENTE / OUTLET


TIPO/TYPE	a	b	c	d	e	f	g	h	Øi	MOD.
22	124	103	-	145	-	125	164	143	8	1
25	207	148	112	241	112	182	277	218	12	2
28	231	166	112	265	112	200	301	236	12	2
31	258	185	112	292	112	219	328	255	12	3
35	288	205	125	332	125	249	368	285	12	3
40	322	229	125	366	125	273	402	309	12	3
45	361	256	125	405	125	300	441	336	12	3
50	404	288	125	448	125	332	484	368	12	4
56	453	322	125	497	125	366	533	402	12	4
63	507	361	125	551	125	405	587	441	12	4
71	569	404	160	629	160	464	669	504	14	4
80	638	453	160	698	160	513	738	553	14	4
90	715	507	160	775	160	567	815	607	14	5

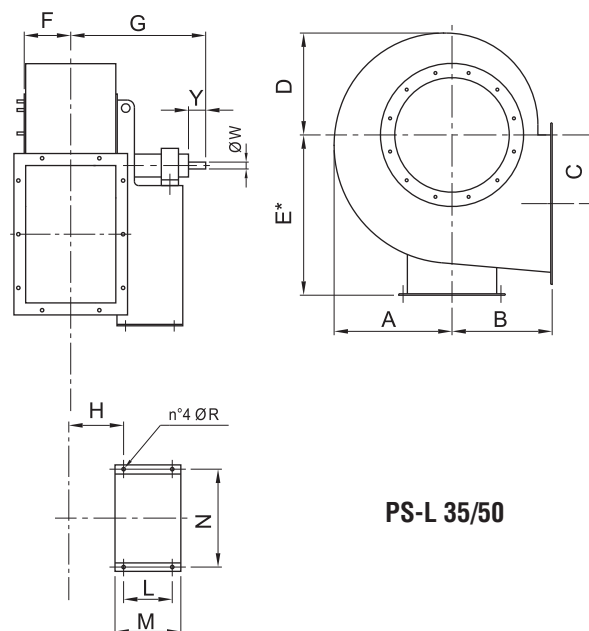
Dimensioni in mm / Dimensions in mm

ESECUZIONE / ARRANGEMENT - 1

TIPO TYPE	A	B	C	D	E1	E* E2	E3	F	G
					0°+135°	180°+225°	270°+315°		
PS-L 35	345	255	253	290	450	255	450	115	668
PS-L 40	370	285	286	315	500	285	500	127	693
PS-L 45	495	320	321	355	560	320	560	141	706
PS-L 50	472	360	355	400	600	360	600	157	828
PS-L 56	540	400	390	456	670	400	670	177	881
PS-L 63	602	450	439	510	750	450	750	195	907
PS-L 71	689	500	500	566	670	500	850	216	979
PS-L 80	780	560	560	641	755	560	950	241	1000
PS-L 90	870	630	630	720	850	630	1060	275	1026

Dimensioni in mm / Dimensions in mm

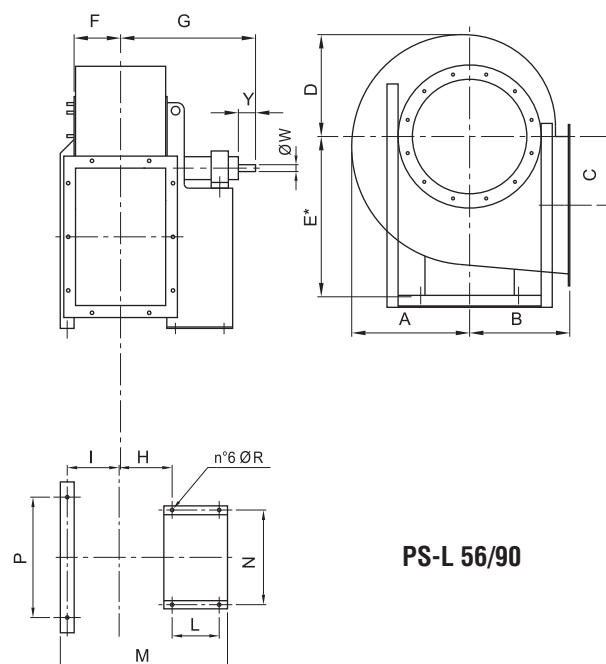
NB.: E* Vedi tabella orientamenti pag. 132 sez.6
See discharge angle schedule pag. 132 sez.6



PS-L 35/50

TIPO TYPE	H	I	L	M	N	P	ØR	ALBERO/SHAFT ØW Y	kg
PS-L 35	157	-	407	485	355	-	14	28 60	72
PS-L 40	168	-	407	485	355	-	14	38 80	85
PS-L 45	181	-	407	485	355	-	14	38 80	100
PS-L 50	198	-	477	560	364	-	17	42 110	142
PS-L 56	219	191	477	943	632	632	17	48 110	178
PS-L 63	239	211	477	983	702	702	17	48 110	230
PS-L 71	262	235	551	1114	772	772	19	48 110	280
PS-L 80	287	259	551	1183	862	862	19	55 110	352
PS-L 90	313	287	551	1237	962	962	19	55 110	435

Dimensioni in mm / Dimensions in mm



PS-L 56/90

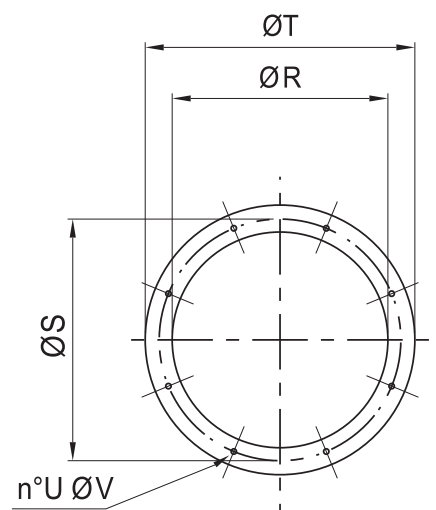
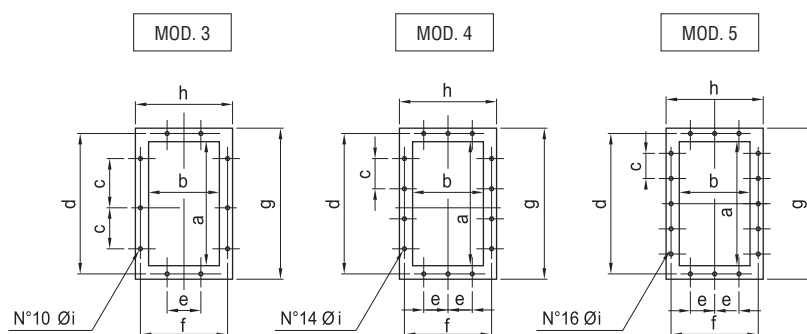
NOTE: PS-L 22/63 angolo orientamento modificabile
PS-L 71/90 angolo orientamento non modificabile

NOTE: PS-L 22/63 allow the modification to discharge angle
PS-L 71/90 do not allow the modification of discharge angle

BOCCA ASPIRANTE / INLET

TIPO TYPE	ØR	ØS	ØT	U	ØV
35	255	292	325	8	10
40	285	332	365	8	10
45	320	366	400	8	10
50	360	405	440	8	10
56	405	448	485	12	10
63	455	497	535	12	10
71	505	551	585	12	10
80	565	629	665	12	10
90	635	698	735	12	12

Dimensioni in mm / Dimensions in mm


BOCCA PREMENTE / OUTLET


TIPO TYPE	a	b	c	d	e	f	g	h	Øi	MOD.
35	288	205	125	332	125	249	368	285	12	3
40	322	229	125	366	125	273	402	309	12	3
45	361	256	125	405	125	300	441	336	12	3
50	404	288	125	448	125	332	484	368	12	4
56	453	322	125	497	125	366	533	402	12	4
63	507	361	125	551	125	405	587	441	12	4
71	569	404	160	629	160	464	669	504	14	4
80	638	453	160	698	160	513	738	553	14	4
90	715	507	160	775	160	567	815	607	14	5

Dimensioni in mm / Dimensions in mm

> PV-L

Ventilatori centrifughi pale rovesce per aria polverosa

Backward curved blade centrifugal fans for dusty air



Versioni / Versions:



DESCRIZIONE GENERALE

I ventilatori della serie PV-L trovano la loro principale applicazione negli impianti civili e industriali di condizionamento, ventilazione, riscaldamento e filtrazione. Possono convogliare aria pulita e fumi leggermente polverosi con temperatura max di 80°C nella configurazione standard e fino a 300°C con costruzioni speciali. La serie prevede esecuzioni direttamente accoppiate (esecuzione 4) e a trasmissione (esecuzione 1, 9 e 12). Adatto per portate limitate e prevalenze molto alte.

COSTRUZIONE

- Cassa a spirale realizzata in lamiera d'acciaio e protetta contro gli agenti atmosferici con vernici a polveri epossipoliesteriche.
- Boccaglio d'aspirazione con ampio raggio realizzato in lamiera d'acciaio e protetto contro gli agenti atmosferici con vernici a polveri epossipoliesteriche.
- Girante a semplice aspirazione con pale rovesce curve ad alto rendimento aerale, realizzata in lamiera e verniciata con vernici a polveri epossipoliesteriche. Sono previste versioni per alte velocità di rotazione in classe 3.
- Per esecuzione 1 – 9 – 12: supporto monoblocco realizzato in fusione di ghisa, con cuscinetti a sfera, progettati per agevolare le operazioni di lubrificazione. Cinghie di trasmissione, pulegge e supporto motore. Carter di protezione per le cinghie.
- Motore asincrono trifase a norme internazionali IEC 60034, IEC 60072, EMC 2004/108/CE, LVD 2006/95/CE e marcato CE IP55, classe F, idonei ad un servizio S1 (funzionamento continuo a carico costante).

ACCESSORI (disponibili su richiesta)

- Tappo scarico condensa (TS)
- Portella d'ispezione (PI)
- Controflangia per bocca aspirante (CFA)
- Controflangia per bocca premente (CFP)
- Rete di protezione per bocca aspirante (RA)
- Rete di protezione per bocca premente (RP)
- Giunto antivibrante per bocca aspirante (GA)
- Giunto antivibrante per bocca premente (GP)
- Regolatore di portata in aspirazione
- Serranda ad alette contrapposte in premente
- Supporti antivibranti

A RICHIESTA

- Versione idonea al trasporto di gas caldi, max 150°C (PV-L/AT es 4).
- Versione idonea al trasporto di gas caldi, max 300°C (PV-L/AT es 1-12).
- Versione resistente all'azione corrosiva del gas trasportato, realizzata con cassa, boccaglio e girante in acciaio inossidabile AISI304 (PV-L/INOX).
- Versione ATEX: motore asincrono trifase II2G, II2D, II2GD a norme internazionali IEC 60034, IEC 60072, IEC 60079 e/o IEC 61241, EMC 2004/108/CE, LVD 2006/95/CE, con certificati ATEX e marcatura CE, IP 55/IP 65, classe F, idonei ad un servizio S1 (funzionamento continuo a carico costante).

GENERAL DESCRIPTION

The fans of the PV-L series find their principal application in the industrial plants of pneumatic transport, suction and filtering in foundries, cement factories, mines, marble, ceramics and glass factories, furnaces, etc. They can convey clean or slightly dusty air and smoke, with max. temperature of 80°C in the standard configuration and up to 300°C with specials constructions. The series foresees direct drive version (execution 4) and belt drive version (execution 1, 9 and 12). Suitable for medium and low capacities, high pressures.

CONSTRUCTION

- Volute casing in steel sheet, protected against atmospheric agents by epoxy paint.
- Aerodynamically shaped inlet cone in steel sheet, protected against atmospheric agents by epoxy paint.
- Single inlet backward curved wheel with high efficiency, manufactured in steel sheet and epoxy painted. For high rotational speed, versions in class 3 are foreseen.
- For execution 1 – 9 – 12: mono-block support in cast iron with ball bearings, designed for easy lubrication. Pulleys, belts and motor support. Belt protection guard.
- Asynchronous three-phase motors according to international standards IEC 600034, IEC 60072, EMC 2004/108/CE, LVD 2006/95/CE, CE marked, IP 55, class F, suitable to S1 service (continuous working at constant load).

ACCESSORIES (available upon request)

- Condensation drain hole (TS)
- Inspection door (PI)
- Inlet counter-flange (CFA)
- Outlet counter-flange (CFP)
- Inlet protection guard (RA)
- Outlet protection guard (RP)
- Inlet flexible connector (GA)
- Outlet flexible connector (GP)
- Inlet vane control
- Outlet setting shutter
- Anti-vibration mounts

UPON REQUEST

- High temperature version suitable for conveying hot gases, Max 150°C (PV-L/AT EX4).
- High temperature version suitable for conveying hot gases, Max 300°C (PV-L/AT EX1,12).
- Corrosion resistant version, manufactured with casing, inlet side and impeller in stainless steel AISI304 (PV-L/INOX).
- ATEX version, with asynchronous three-phase motors II2G, II2D, II2GD according to international standards IEC 60034, IEC 60072, IEC 60079 and/or IEC61241, EMC 2004/108/CE, LVD 2006/95/CE, with ATEX certification, CE marked, IP55/IP 65, class F, suitable to S1 service (continuous working at constant load).

ORIENTAMENTI Discharge angles

PV-L

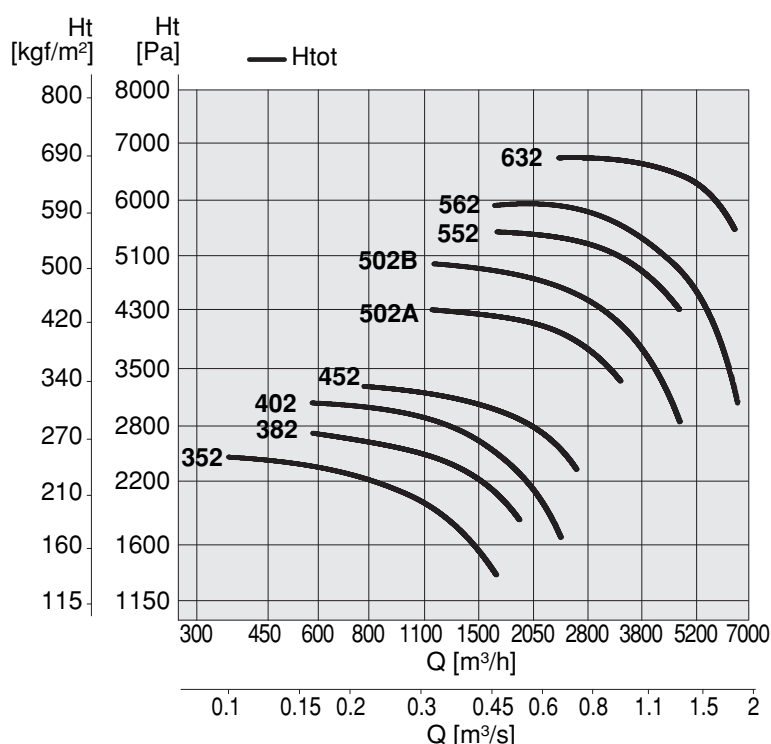
Rotazione Rotation RD								
Forma-Form	0	45	90	135	180(*)	225(*)	270	315
Rotazione Rotation LG								
Altezza-Height	E1				E2		E3	

NB.: Orientamento standard **LG270°** / Standard orientation **LG270°**

(*) Richiede costruzione speciale / Request special construction

Frequenza 50Hz – Temperatura dell'aria 15°C – Pressione barometrica 760 mm Hg – Peso specifico dell'aria 1,22 Kg/m³
Frequency 50Hz – Air temperature 15°C – Barometric pressure 760 mm Hg – Air specific weight 1,22 Kg/m³

Lp: livello di pressione sonora rilevato a 1,50 m - **Lp:** sound pressure level measured at 1,50 m



PV-L 35

Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PV-L	352	T	2	1,10	2,50	55/F	63

Limiti d'impiego - Operational limit

Tipo Type	Modello Model	Q max (m³/h)	Pt min (mm H ₂ O)	C max (m/s)	S (m²)	Pd² (kgm²)	Mot. (Gr)
PV-L	352	1650	138	30,60	0,015	0,34	80

PV-L 40

Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PV-L	402	T	2	2,20	4,90	55/F	68

Limiti d'impiego - Operational limit

Tipo Type	Modello Model	Q max (m³/h)	Pt min (mm H ₂ O)	C max (m/s)	S (m²)	Pd² (kgm²)	Mot. (Gr)
PV-L	402	2390	170	34,98	0,019	0,70	90

PV-L 50

Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PV-L	502/A	T	2	4,00	8,00	55/F	75
PV-L	502/B	T	2	5,50	10,80	55/F	75

Limiti d'impiego - Operational limit

Tipo Type	Modello Model	Q max (m³/h)	Pt min (mm H ₂ O)	C max (m/s)	S (m²)	Pd² (kgm²)	Mot. (Gr)
PV-L	502/A	3360	340	31,14	0,03	1,30	112
PV-L	502/B	4700	290	43,64	0,03	1,60	132

PV-L 56

Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PV-L	562	T	2	11,00	20,60	55/F	78

Limiti d'impiego - Operational limit

Tipo Type	Modello Model	Q max (m³/h)	Pt min (mm H ₂ O)	C max (m/s)	S (m²)	Pd² (kgm²)	Mot. (Gr)
PV-L	562	6560	315	47,97	0,038	2,60	160

PV-L 38

Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PV-L	382	T	2	1,50	3,40	55/F	68

Limiti d'impiego - Operational limit

Tipo Type	Modello Model	Q max (m³/h)	Pt min (mm H ₂ O)	C max (m/s)	S (m²)	Pd² (kgm²)	Mot. (Gr)
PV-L	382	1880	186	27,54	0,019	0,60	90

PV-L 45

Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PV-L	452	T	2	3,00	6,40	55/F	70

Limiti d'impiego - Operational limit

Tipo Type	Modello Model	Q max (m³/h)	Pt min (mm H ₂ O)	C max (m/s)	S (m²)	Pd² (kgm²)	Mot. (Gr)
PV-L	452	2600	238	29,91	0,0242	1,00	100

PV-L 55

Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PV-L	552	T	2	7,5	14,10	55/F	78

Limiti d'impiego - Operational limit

Tipo Type	Modello Model	Q max (m³/h)	Pt min (mm H ₂ O)	C max (m/s)	S (m²)	Pd² (kgm²)	Mot. (Gr)
PV-L	552	4700	438	34,38	0,038	2,00	132

PV-L 63

Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PV-L	632	T	2	15,00	27,50	55/F	82

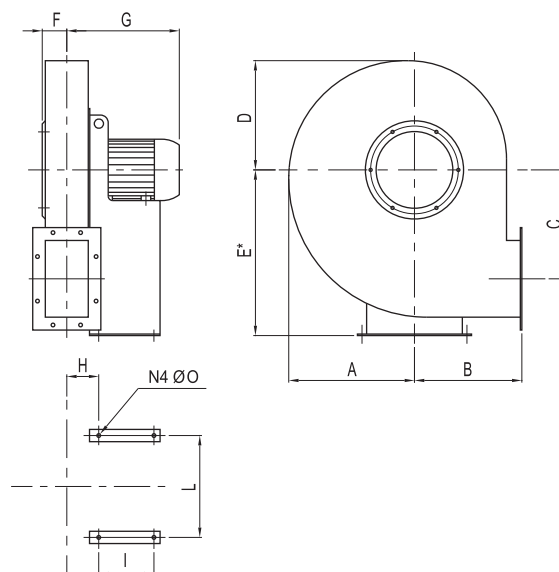
Limiti d'impiego - Operational limit

Tipo Type	Modello Model	Q max (m³/h)	Pt min (mm H ₂ O)	C max (m/s)	S (m²)	Pd² (kgm²)	Mot. (Gr)
PV-L	632	6430	565	37,97	0,047	3,20	160

TIPO TYPE	A	B	C	D	E*			F	G	H	I	L	Ø0	kg
					E1 0°+135°	E2 180°+225°	E3 270°+315°							
PV-L 352	285	250	215	260	355	250	355	65	286	101	121	203	10	36
PV-L 382	310	280	238	283	375	280	375	71	333	118	133	234	10	48
PV-L 402	310	280	238	283	375	280	375	71	333	118	133	234	10	52
PV-L 452	345	300	265	315	400	300	400	78	410	100	197	289	12	63
PV-L 502/A	380	335	297	345	450	335	450	86	418	108	197	289	12	93
PV-L 502/B	380	335	297	345	450	335	450	86	481	118	237	337	12	106
PV-L 552	430	375	337	390	500	375	500	95	492	129	237	337	14	133
PV-L 562	430	375	337	390	500	375	500	95	629	139	237	395	14	141
PV-L 632	485	425	381	440	560	425	560	105	639	149	337	395	14	193

Dimensioni in mm / Dimensions in mm

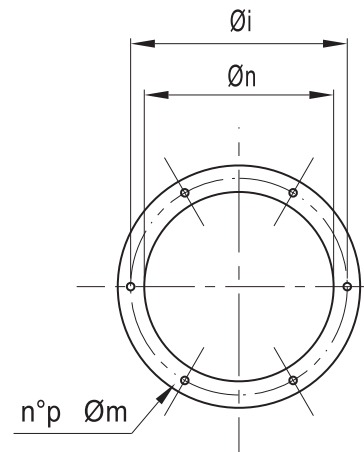
NB.: E* Vedi tabella orientamenti pag. 147 sez.6
See discharge angle schedule pag. 147 sez.6



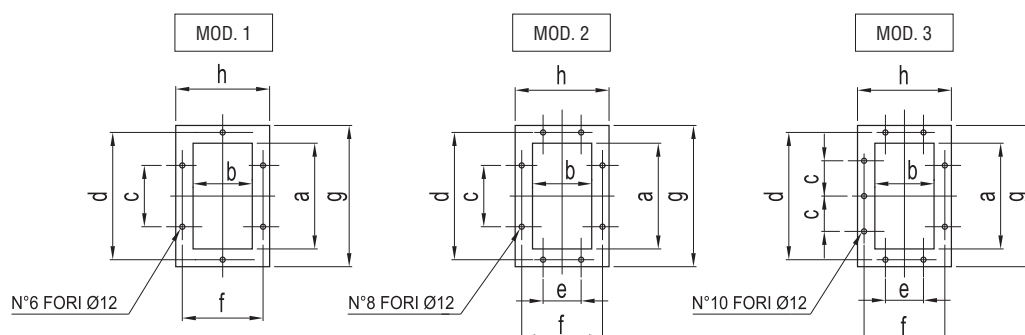
BOCCA ASPIRANTE / INLET

TIPO TYPE	Øn	Øi	p	Øm
PV-L 352	185	219	8	8
PV-L 382	205	241	8	8
PV-L 402	205	241	8	8
PV-L 452	228	265	8	8
PV-L 502/A	255	292	8	10
PV-L 502/B	255	292	8	10
PV-L 552	285	332	8	10
PV-L 562	285	332	8	10
PV-L 632	320	366	8	10

Dimensioni in mm / Dimensions in mm



BOCCA PREMENTE / OUTLET



TIPO TYPE	a	b	c	d	e	f	g	h	Mod.
PV-L352	146	105	112	182	-	139	216	175	1
PV-L 382	166	117	112	200	-	151	236	187	1
PV-L 402	166	117	112	200	-	151	236	187	1
PV-L 452	185	131	112	219	-	165	255	201	1
PV-L 502/A	207	148	112	241	112	182	277	218	2
PV-L 502/B	207	148	112	241	112	182	277	218	2
PV-L 552	231	166	112	265	112	200	301	236	2
PV-L 562	231	166	112	265	112	200	301	236	2
PV-L 632	258	185	112	292	112	219	328	255	3

Dimensioni in mm / Dimensions in mm

> PQ-L

Ventilatori centrifughi pale rovesce

Backward curved blade centrifugal fans



Versioni / Versions:



DESCRIZIONE GENERALE

I ventilatori della serie PQ-L trovano la loro principale applicazione negli impianti civili e industriali di condizionamento, ventilazione, riscaldamento e filtrazione. Possono convogliare aria pulita e fumi polverosi (non abrasivi), con temperatura max di 80°C nella configurazione standard e fino a 300°C con costruzione speciale. La serie prevede esecuzioni direttamente accoppiate (esecuzione 4) e a trasmissione (esecuzione 1, 9 e 12). Adatto per portate elevate e pressioni medio-alte.

COSTRUZIONE

- Cassa a spirale realizzata in lamiera d'acciaio e protetta contro gli agenti atmosferici con vernici a polveri epossipoliesteriche.
- Boccaglio d'aspirazione con ampio raggio realizzato in lamiera d'acciaio e protetto contro gli agenti atmosferici con vernici a polveri epossipoliesteriche.
- Girante a semplice aspirazione con pale rovesce curve ad alto rendimento aeraulico, realizzata in lamiera e verniciata con vernici a polveri epossipoliesteriche. Sono previste versioni per alte velocità di rotazione in classe 3.
- Per esecuzione 1-9-12: supporto monoblocco realizzato in fusione di ghisa, con cuscinetti a sfera, progettati per agevolare le operazioni di lubrificazione. Cinghie di trasmissione, pulegge e supporto motore. Carter di protezione per le cinghie.
- Motore asincrono trifase a norme internazionali IEC 60034, IEC 60072, EMC 2004/108/CE, LVD 2006/95/CE e marcato CE IP55, classe F, idonei ad un servizio S1 (funzionamento continuo a carico costante).

ACCESSORI (disponibili su richiesta)

- Tappo scarico condensa (TS)
- Portella d'ispezione (PI)
- Controflangia per bocca aspirante (CFA)
- Controflangia per bocca premente (CFP)
- Rete di protezione per bocca aspirante (RA)
- Rete di protezione per bocca premente (RP)
- Giunto antivibrante per bocca aspirante (GA)
- Giunto antivibrante per bocca premente (GP)
- Regolatore di portata in aspirazione
- Serranda ad alette contrapposte in premente
- Supporti antivibranti

A RICHIESTA

- Versione idonea al trasporto di gas caldi, max 150°C (PQ-L/AT es 4).
- Versione idonea al trasporto di gas caldi, max 300°C (PQ-L/AT es 1-12).
- Versione resistente all'azione corrosiva del gas trasportato, realizzata con cassa, boccaglio e girante in acciaio inossidabile AISI304 (PQ-L/INOX).
- Versione ATEX: motore asincrono trifase II2G, II2D, II2GD a norme internazionali IEC 60034, IEC 60072, IEC 60079 e/o IEC 61241, EMC 2004/108/CE, LVD 2006/95/CE, con certificati ATEX e marcatura CE, IP 55/IP 65, classe F, idonei ad un servizio S1 (funzionamento continuo a carico costante).

GENERAL DESCRIPTION

Fans of PQ-L series find their main application in industrial plants of conditioning, ventilation, heating and filtering; they can also be used as part of manufacturing process (wood industry, chemical industry, mills, mines, foundries, etc.). They can convey dusty (not abrasive) air and smoke, with max. temperature of 80°C in the standard configuration and up to 300°C with specials constructions. The series foresees direct drive version (execution 4) and belt drive version (execution 1, 9 and 12). Suitable for high capacity, medium-high pressures.

CONSTRUCTION

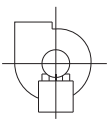
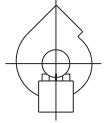
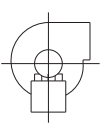
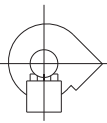
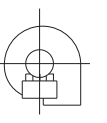
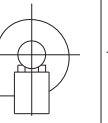
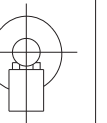
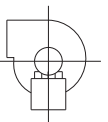
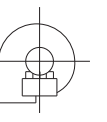
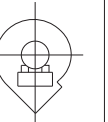
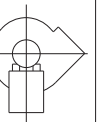
- Volute casing in steel sheet, protected against atmospheric agents by epoxy paint.
- Aerodynamically shaped inlet cone in steel sheet, protected against atmospheric agents by epoxy paint.
- Single inlet backward curved wheel with high efficiency, manufactured in steel sheet and epoxy painted. For high rotational speed, versions in class 3 are foreseen.
- For execution 1-9-12: mono-block support in cast iron with ball bearings, designed for easy lubrication. Pulleys, belts and motor support. Belt protection guard.
- Asynchronous three-phase motors according to international standards IEC 60034, IEC 60072, EMC 2004/108/CE, LVD 2006/95/CE, CE marked, IP 55, class F, suitable to S1 service (continuous working at constant load).

ACCESSORIES (available upon request)

- Condensation drain hole (TS)
- Inspection door (PI)
- Inlet counter-flange (CFA)
- Outlet counter-flange (CFP)
- Inlet protection guard (RA)
- Outlet protection guard (RP)
- Inlet flexible connector (GA)
- Outlet flexible connector (GP)
- Inlet vane control
- Outlet setting shutter
- Anti-vibration mounts

UPON REQUEST

- High temperature version suitable for conveying hot gases, Max 150°C (PQ-L/AT EX4).
- High temperature version suitable for conveying hot gases, Max 300°C (PQ-L/AT EX1,12).
- Corrosion resistant version, manufactured with casing, inlet side and impeller in stainless steel AISI304 (PQ-L/INOX).
- ATEX version, with asynchronous three-phase motors II2G, II2D, II2GD according to international standards IEC 60034, IEC 60072, IEC 60079 and/or IEC61241, EMC 2004/108/CE, LVD 2006/95/CE, with Atex certification, CE marked, IP55/IP 65, class F, suitable to S1 service (continuous working at constant load).

Rotazione Rotation RD								
Forma-Form	0	45	90	135	180(*)	225(*)	270	315
Rotazione Rotation LG								
Altezza-Height	E1				E2		E3	

NB.: Orientamento standard **LG270°** / Standard orientation **LG270°**

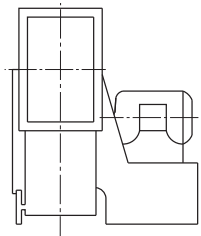
(*) Richiede costruzione speciale / Request special construction

ESECUZIONI *Executions*

PQ-L

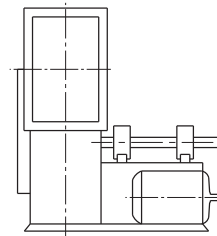
- 4: Girante a sbalzo direttamente accoppiata al motore, sostenuta dalla base/sedia.

4: *Impeller directly coupled to the motor supported by the motor support base.*



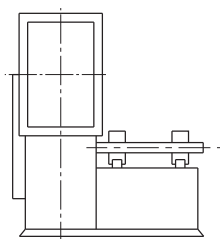
- 9: Come esecuzione 1 con predisposizione al montaggio del motore posto sul fianco della base/sedia.

9: *Same as execution 1 with arrangement for the motor assembled on the side of the support base.*



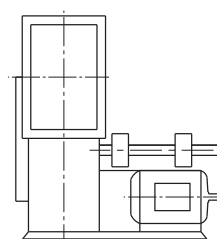
- 1: Predisposizione all'accoppiamento con cinghie e pulegge, girante a sbalzo, direttamente accoppiata a supporto sostenuto dalla base/sedia.

1: *Arrangement for belt drive with impeller directly coupled to the support shaft carried by the motor support base.*



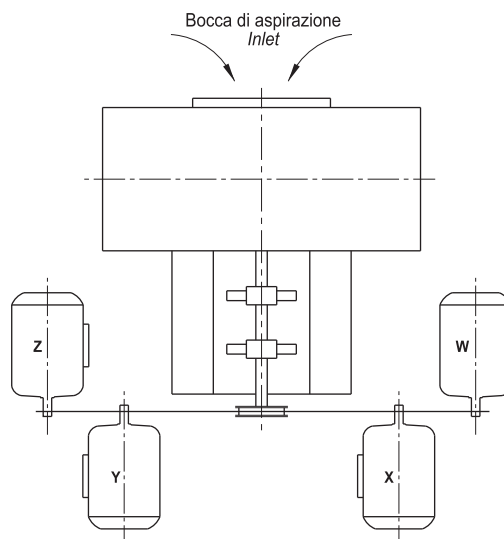
- 12: come esecuzione 1 con predisposizione al montaggio del motore e ventilatore su unico telaio di fondazione.

12: *same as execution 1 with arrangement for fan and motor mounted on common basement.*



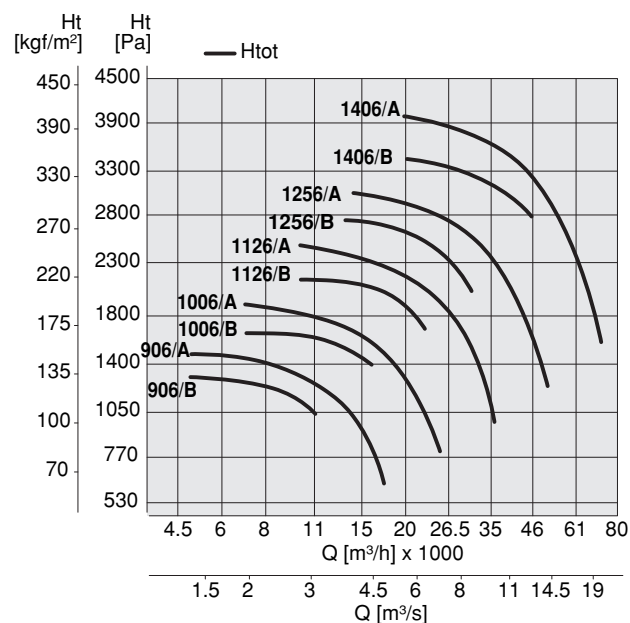
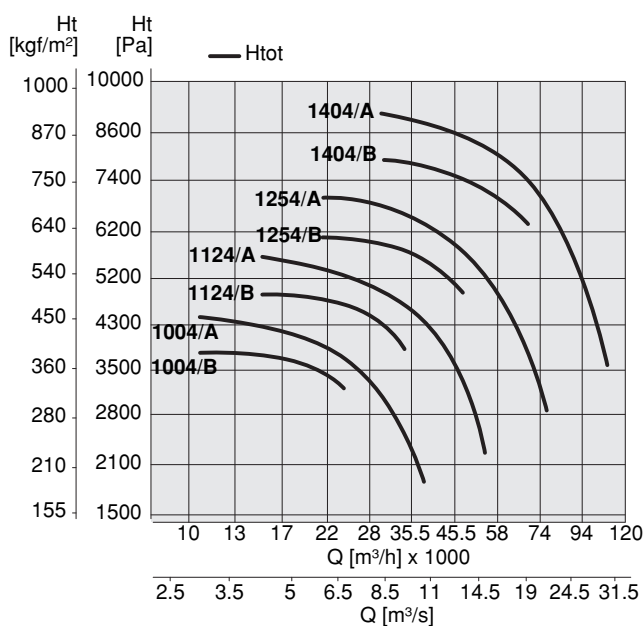
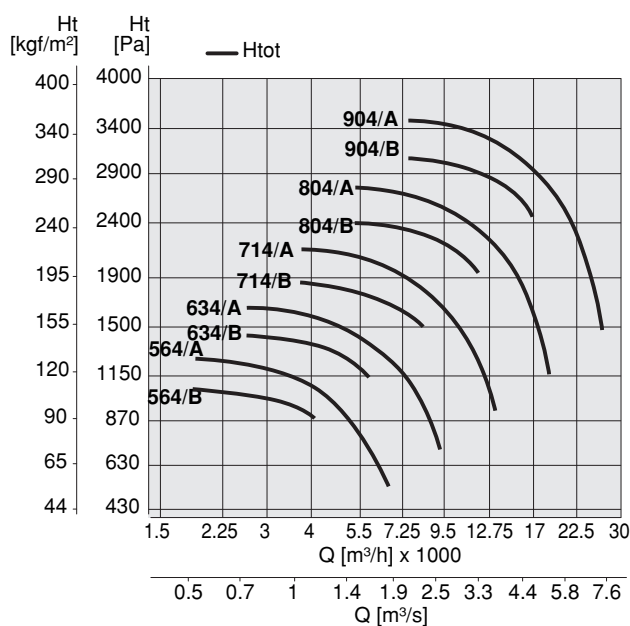
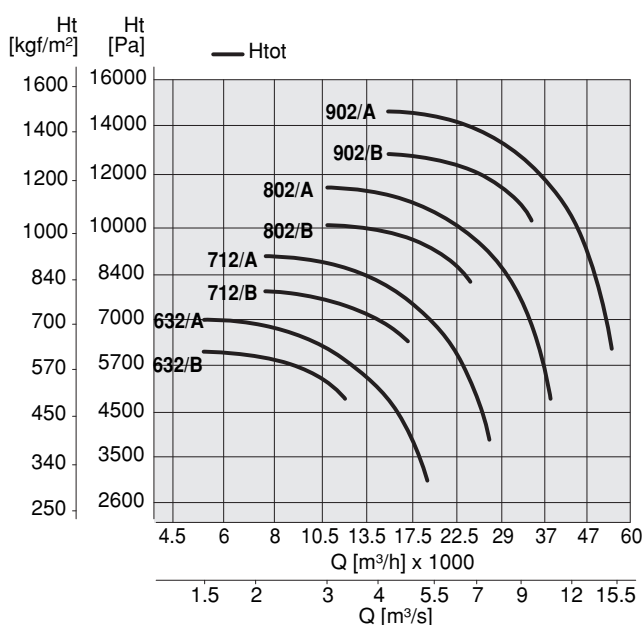
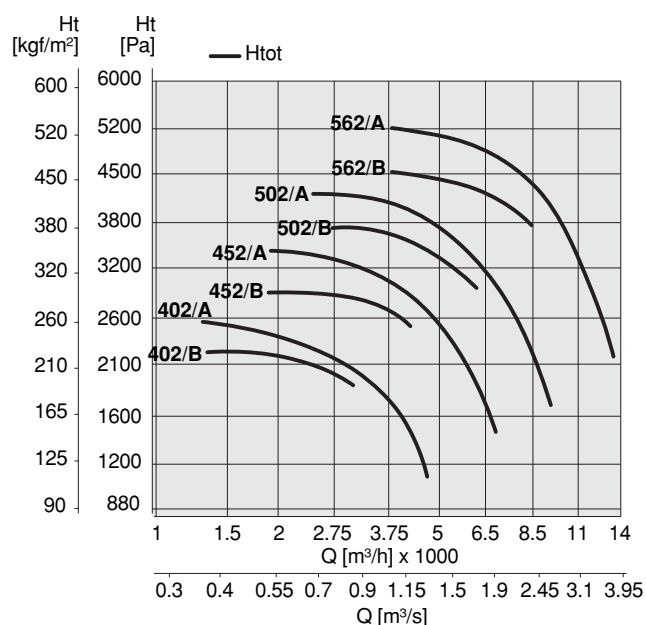
POSIZIONE MOTORE *Motor position*

PQ-L



Frequenza 50Hz – Temperatura dell'aria 15°C – Pressione barometrica 760 mm Hg – Peso specifico dell'aria 1,22 Kg/m³
Frequency 50Hz – Air temperature 15°C – Barometric pressure 760 mm Hg – Air specific weight 1,22 Kg/m³

Lp: livello di pressione sonora rilevato a 1,50 m - **Lp**: sound pressure level measured at 1,50 m



Frequenza 50Hz – Temperatura dell'aria 15°C – Pressione barometrica 760 mm Hg – Peso specifico dell'aria 1,22 Kg/m³
Frequency 50Hz – Air temperature 15°C – Barometric pressure 760 mm Hg – Air specific weight 1,22 Kg/m³

Lp: livello di pressione sonora rilevato a 1,50 m - **Lp**: sound pressure level measured at 1,50 m

PQ-L 40

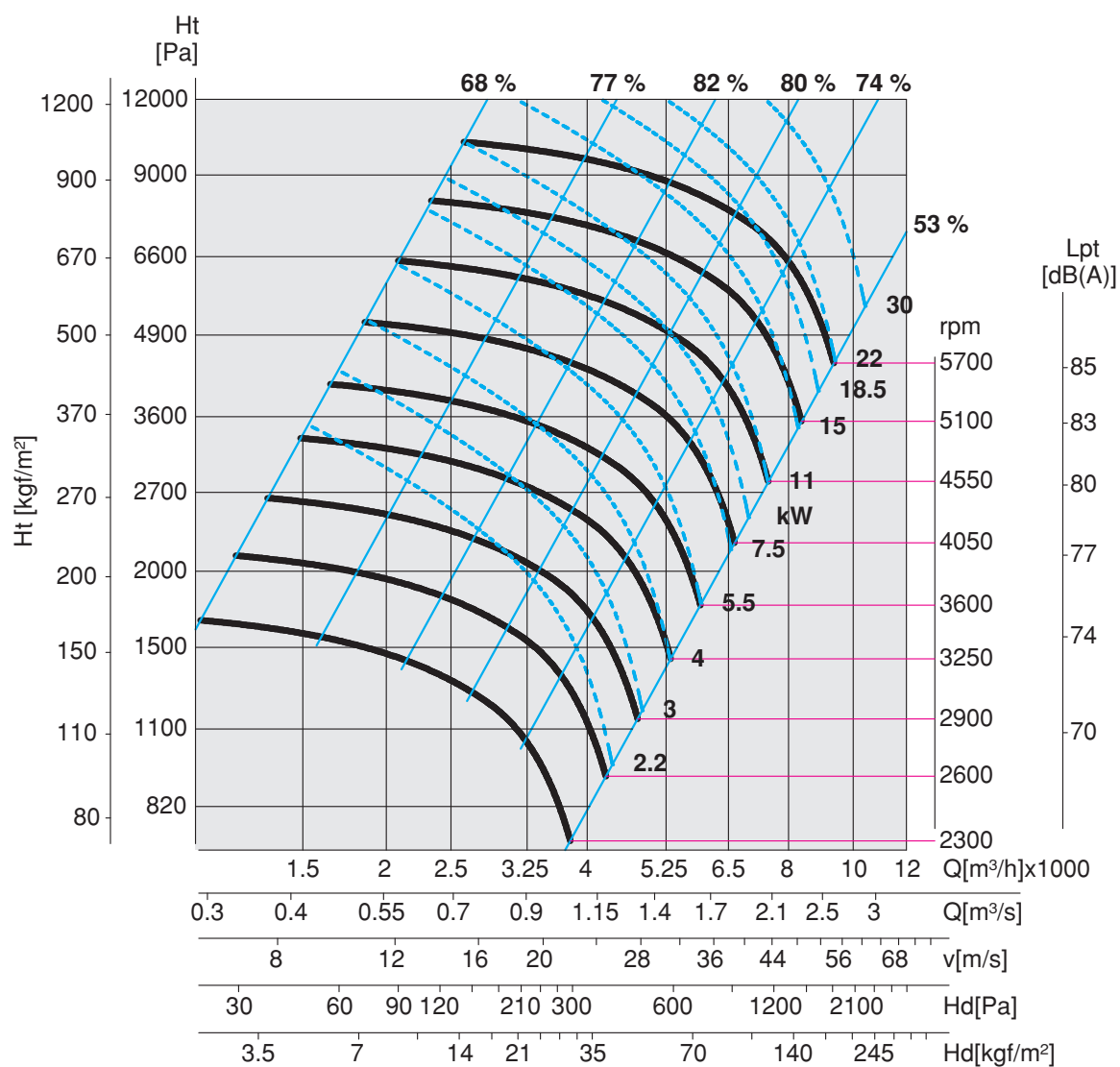
Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PQ-L	402-A	T	2	3,00	6,40	55/F	70
PQ-L	402-B	T	2	2,20	4,90	55/F	71

Limiti d'impiego - Operational limit

Tipo Type	Modello Model	Q max (m ³ /h)	Pt min (mm H ₂ O)	C max (m/s)	S (m ²)	Pd ² (kgm ²)	Mot. (Gr)
PQ-L	402-A	4650	114	27,10	0,04773	0,80	100
PQ-L	402-B	3050	192	17,78	0,04773	0,40	90

Limite massimo dei giri in funzione della temperatura dell'aria - Maximum rpm with regard to air temperature

Temperatura aria Air temperature	rpm	Costruzione Construction
0°C – 100°C	5500	Standard
100°C – 200°C Es. 1-9-12	5000	Alta temperatura/High temperature (PQL-AT)
200°C – 300°C Es. 1-9-12	4500	Alta temperatura/High temperature (PQL-AT)



Frequenza 50Hz – Temperatura dell'aria 15°C – Pressione barometrica 760 mm Hg – Peso specifico dell'aria 1,22 Kg/m³
Frequency 50Hz – Air temperature 15°C – Barometric pressure 760 mm Hg – Air specific weight 1,22 Kg/m³

Lp: livello di pressione sonora rilevato a 1,50 m - **Lp:** sound pressure level measured at 1,50 m

PQ-L 45

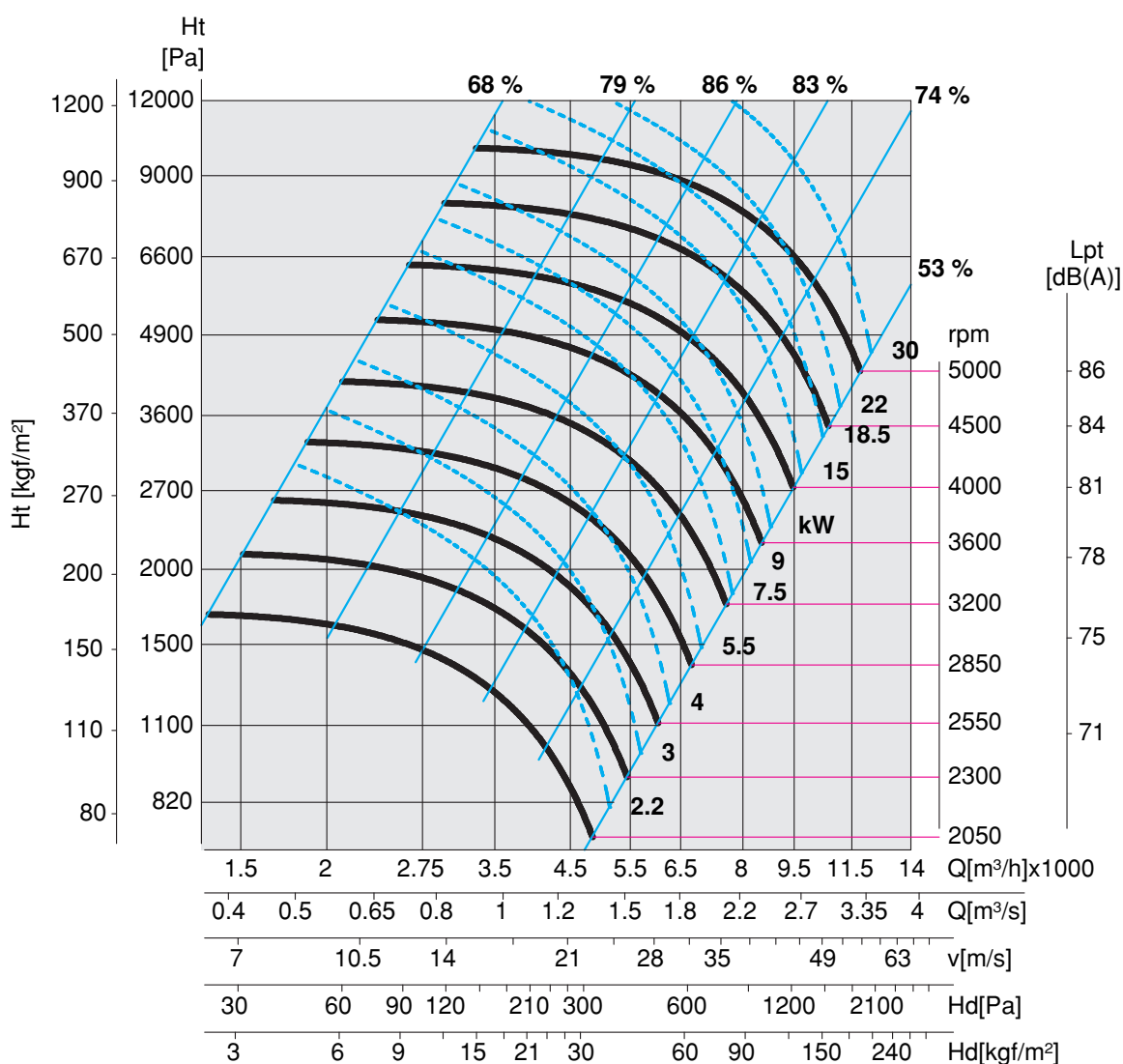
Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PQ-L	452-A	T	2	5,50	10,60	55/F	74
PQ-L	452-B	T	2	4,00	8,50	55/F	74

Limiti d'impiego - Operational limit

Tipo Type	Modello Model	Q max (m ³ /h)	Pt min (mm H ₂ O)	C max (m/s)	S (m ²)	Pd ² (kgm ²)	Mot. (Gr)
PQ-L	452-A	6880	150	32,39	0,05904	1,20	132
PQ-L	452-B	4230	255	19,91	0,05904	1,00	112

Limite massimo dei giri in funzione della temperatura dell'aria - Maximum rpm with regard to air temperature

Temperatura aria Air temperature	rpm	Costruzione Construction
0°C – 100°C	4950	Standard
100°C – 200°C Es. 1-9-12	4500	Alta temperatura/High temperature (PQL-AT)
200°C – 300°C Es. 1-9-12	4000	Alta temperatura/High temperature (PQL-AT)



Frequenza 50Hz – Temperatura dell'aria 15°C – Pressione barometrica 760 mm Hg – Peso specifico dell'aria 1,22 Kg/m³
Frequency 50Hz – Air temperature 15°C – Barometric pressure 760 mm Hg – Air specific weight 1,22 Kg/m³

Lp: livello di pressione sonora rilevato a 1,50 m - **Lp**: sound pressure level measured at 1,50 m

PQ-L 50

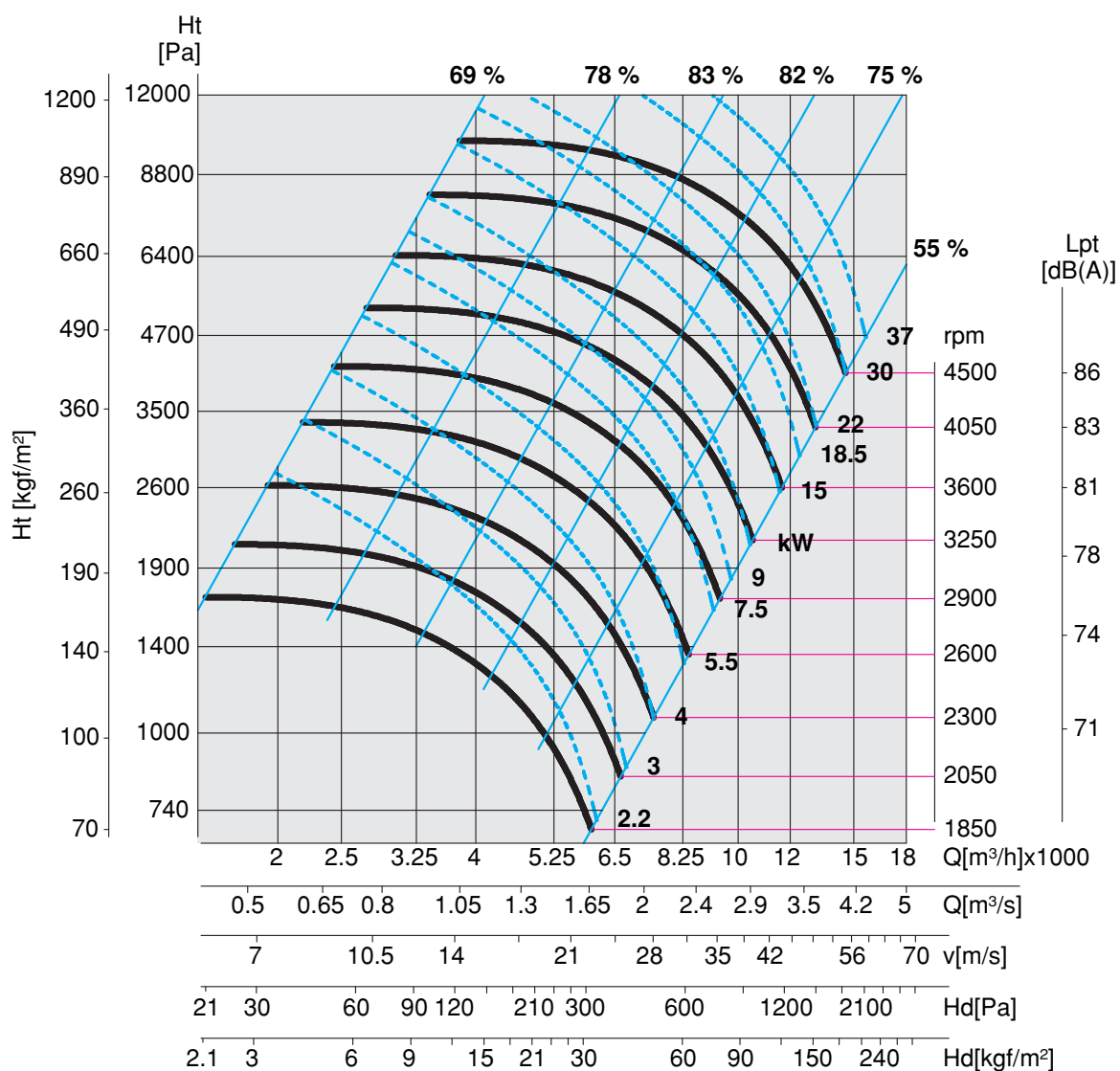
Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PQ-L	502-A	T	2	11,00	20,40	55/F	76
PQ-L	502-B	T	2	7,50	14,10	55/F	76

Limiti d'impiego - Operational limit

Tipo Type	Modello Model	Q max (m ³ /h)	Pt min (mm H ₂ O)	C max (m/s)	S (m ²)	Pd ² (kgm ²)	Mot. (Gr)
PQ-L	502-A	9390	175	35,37	0,073738	2,30	160
PQ-L	502-B	6180	301	23,28	0,073738	1,90	132

Limite massimo dei giri in funzione della temperatura dell'aria - Maximum rpm with regard to air temperature

Temperatura aria Air temperature	rpm	Costruzione Construction
0°C – 100°C	4500	Standard
100°C – 200°C Es. 1-9-12	3950	Alta temperatura/High temperature (PQL-AT)
200°C – 300°C Es. 1-9-12	3500	Alta temperatura/High temperature (PQL-AT)



Frequenza 50Hz – Temperatura dell'aria 15°C – Pressione barometrica 760 mm Hg – Peso specifico dell'aria 1,22 Kg/m³
Frequency 50Hz – Air temperature 15°C – Barometric pressure 760 mm Hg – Air specific weight 1,22 Kg/m³

Lp: livello di pressione sonora rilevato a 1,50 m - **Lp**: sound pressure level measured at 1,50 m

PQ-L 56

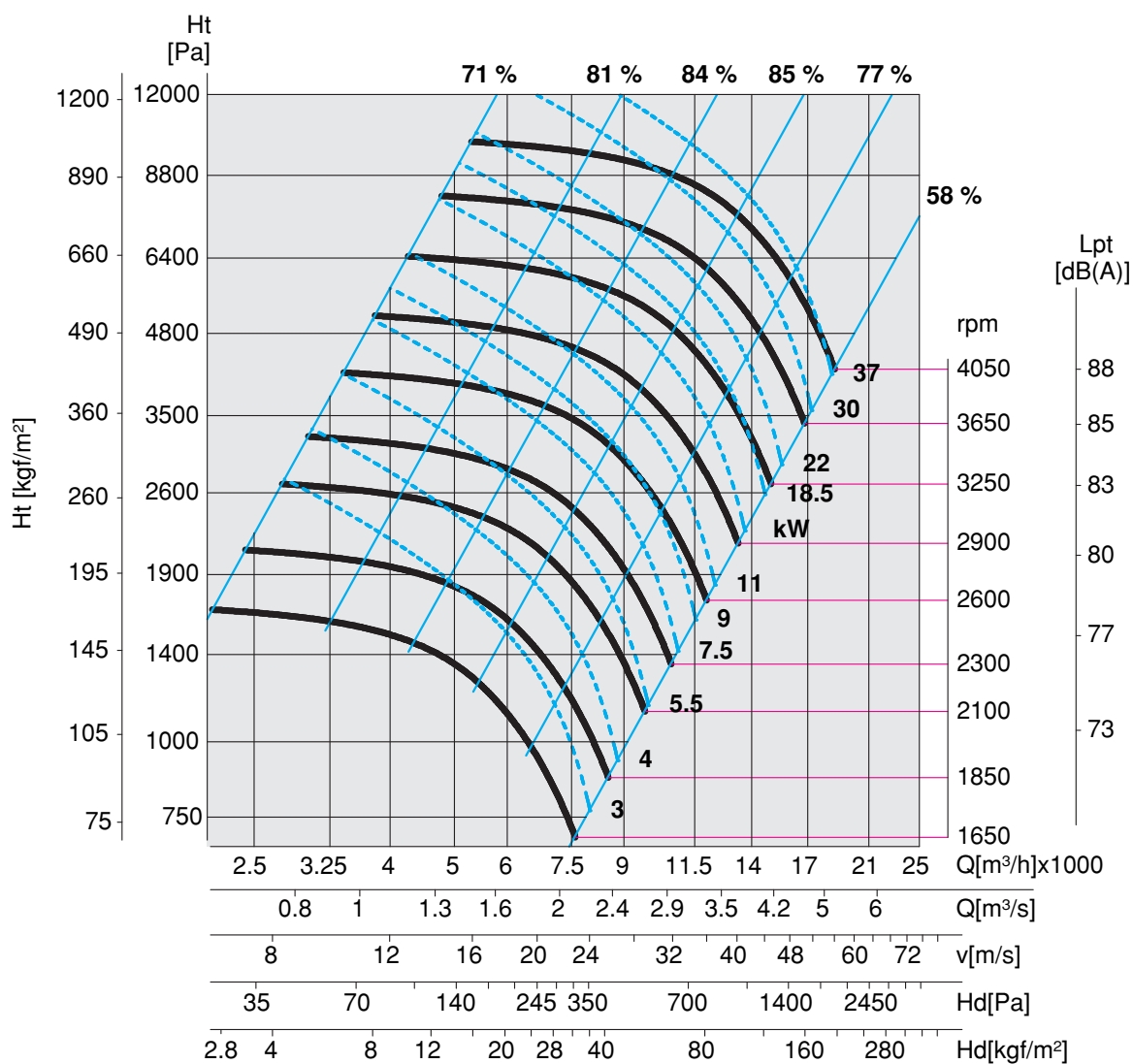
Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PQ-L	562-A	T	2	15,00	27,50	55/F	81
PQ-L	562-B	T	2	11,00	20,40	55/F	81
PQ-L	564-A	T	4	2,20	5,40	55/F	65
PQ-L	564-B	T	4	1,50	3,60	55/F	64

Limiti d'impiego - Operational limit

Tipo Type	Modello Model	Q max (m ³ /h)	Pt min (mm H ₂ O)	C max (m/s)	S (m ²)	Pd ² (kgm ²)	Mot. (Gr)
PQ-L	562-A	13400	224	40,29	0,092416	3,60	160
PQ-L	562-B	8440	384	25,37	0,092416	3,20	160
PQ-L	564-A	6620	54	19,90	0,092416	3,60	100
PQ-L	564-B	4080	90	12,28	0,092416	3,20	90

Limite massimo dei giri in funzione della temperatura dell'aria - Maximum rpm with regard to air temperature

Temperatura aria Air temperature	rpm	Costruzione Construction
0°C – 100°C	3950	Standard
100°C – 200°C Es. 1-9-12	3500	Alta temperatura/High temperature (PQL-AT)
200°C – 300°C Es. 1-9-12	3125	Alta temperatura/High temperature (PQL-AT)



Frequenza 50Hz – Temperatura dell'aria 15°C – Pressione barometrica 760 mm Hg – Peso specifico dell'aria 1,22 Kg/m³
Frequency 50Hz – Air temperature 15°C – Barometric pressure 760 mm Hg – Air specific weight 1,22 Kg/m³

Lp: livello di pressione sonora rilevato a 1,50 m - **Lp**: sound pressure level measured at 1,50 m

PQ-L 63

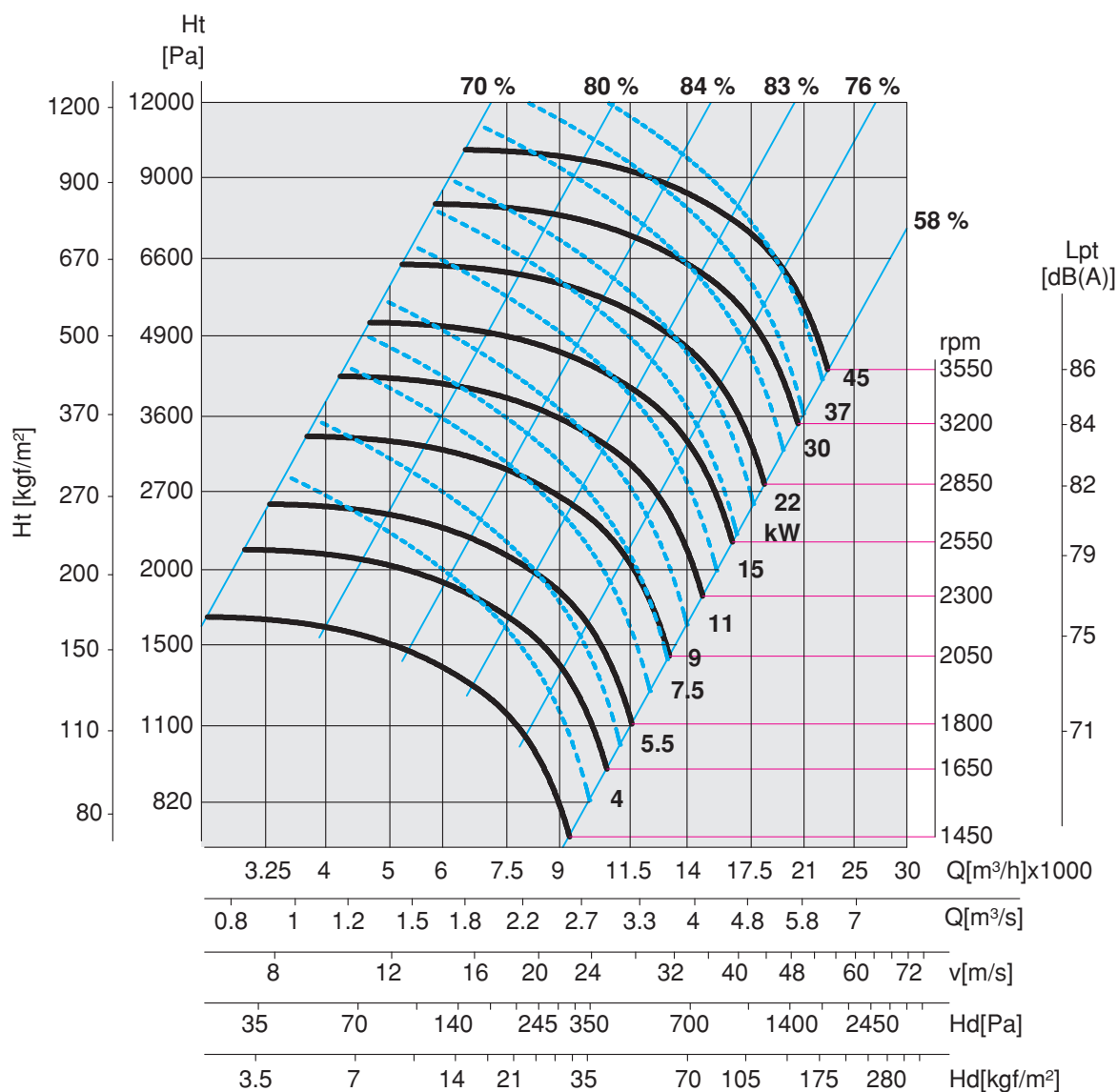
Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PQ-L	632-A	T	2	30,00	53,50	55/F	83
PQ-L	632-B	T	2	22,00	39,50	55/F	83
PQ-L	634-A	T	4	4,00	8,50	55/F	66
PQ-L	634-B	T	4	3,00	6,80	55/F	66

Limiti d'impiego - Operational limit

Tipo Type	Modello Model	Q max (m ³ /h)	Pt min (mm H ₂ O)	C max (m/s)	S (m ²)	Pd ² (kgm ²)	Mot. (Gr)
PQ-L	632-A	18960	310	45,27	0,116352	5,70	200
PQ-L	632-B	11950	490	28,54	0,116352	5,00	180
PQ-L	634-A	9260	72	22,10	0,116352	5,70	112
PQ-L	634-B	5820	116	13,90	0,116352	5,00	100

Limite massimo dei giri in funzione della temperatura dell'aria - Maximum rpm with regard to air temperature

Temperatura aria Air temperature	rpm	Costruzione Construction
0°C – 100°C	3500	Standard
100°C – 200°C Es. 1-9-12	3150	Alta temperatura/High temperature (PQL-AT)
200°C – 300°C Es. 1-9-12	2850	Alta temperatura/High temperature (PQL-AT)



Frequenza 50Hz – Temperatura dell'aria 15°C – Pressione barometrica 760 mm Hg – Peso specifico dell'aria 1,22 Kg/m³
Frequency 50Hz – Air temperature 15°C – Barometric pressure 760 mm Hg – Air specific weight 1,22 Kg/m³

Lp: livello di pressione sonora rilevato a 1,50 m - **Lp:** sound pressure level measured at 1,50 m

PQ-L 71

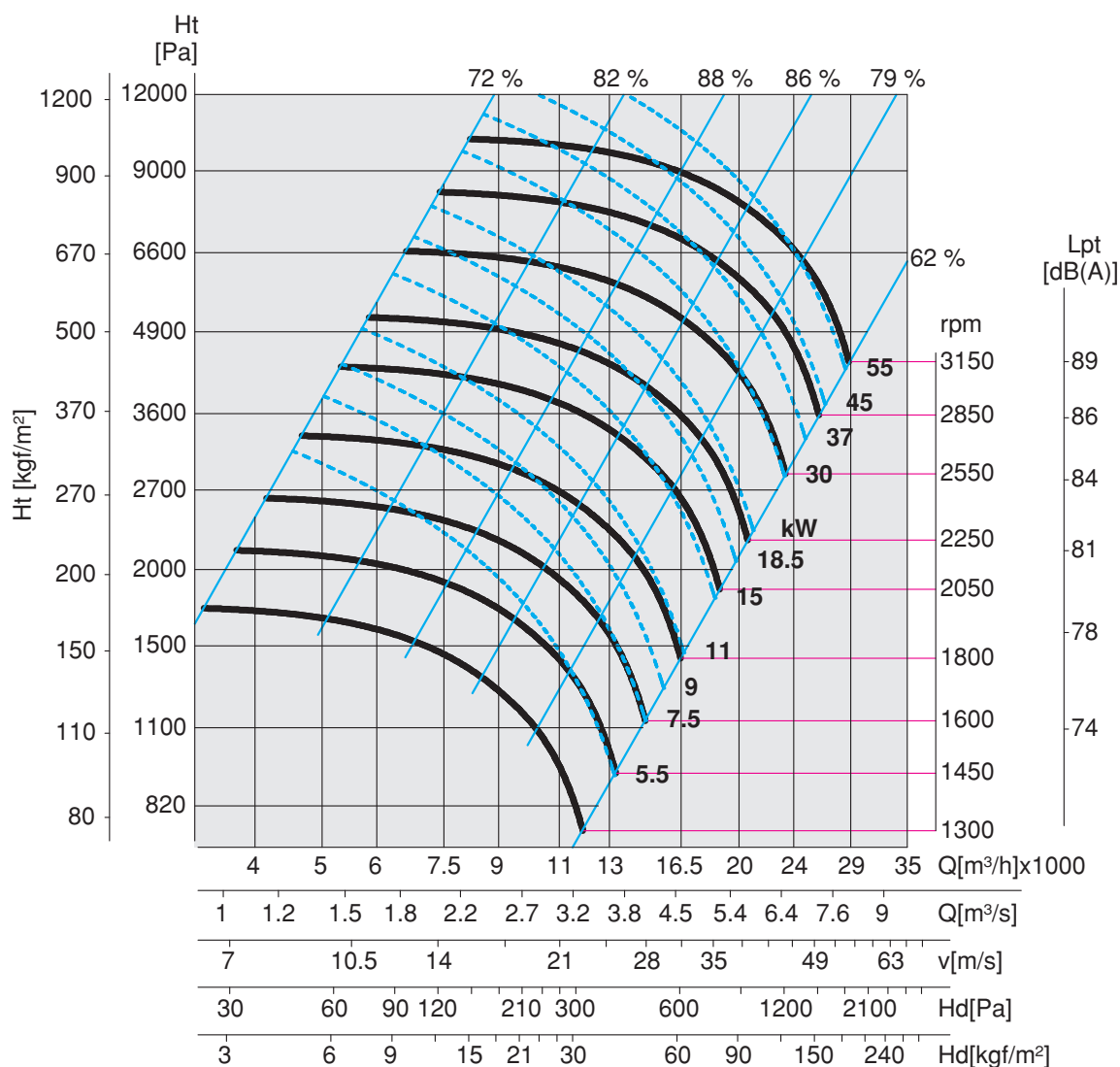
Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PQ-L	712-A	T	2	45,00	78,00	55/F	88
PQ-L	712-B	T	2	37,00	65,00	55/F	88
PQ-L	714-A	T	4	5,50	11,30	55/F	71
PQ-L	714-B	T	4	4,00	8,50	55/F	71

Limiti d'impiego - Operational limit

Tipo Type	Modello Model	Q max (m ³ /h)	Pt min (mm H ₂ O)	C max (m/s)	S (m ²)	Pd ² (kgm ²)	Mot. (Gr)
PQ-L	712-A	27100	399	51,61	0,145866	11,00	225
PQ-L	712-B	17000	648	32,37	0,145866	10,00	200
PQ-L	714-A	13260	95	25,25	0,145866	11,00	132
PQ-L	714-B	8270	153	15,76	0,145866	10,00	112

Limite massimo dei giri in funzione della temperatura dell'aria - Maximum rpm with regard to air temperature

Temperatura aria Air temperature	rpm	Costruzione Construction
0°C – 100°C	3150	Standard
100°C – 200°C Es. 1-9-12	2780	Alta temperatura/High temperature (PQL-AT)
200°C – 300°C Es. 1-9-12	2500	Alta temperatura/High temperature (PQL-AT)



Frequenza 50Hz – Temperatura dell'aria 15°C – Pressione barometrica 760 mm Hg – Peso specifico dell'aria 1,22 Kg/m³
Frequency 50Hz – Air temperature 15°C – Barometric pressure 760 mm Hg – Air specific weight 1,22 Kg/m³

Lp: livello di pressione sonora rilevato a 1,50 m - **Lp**: sound pressure level measured at 1,50 m

PQ-L 80

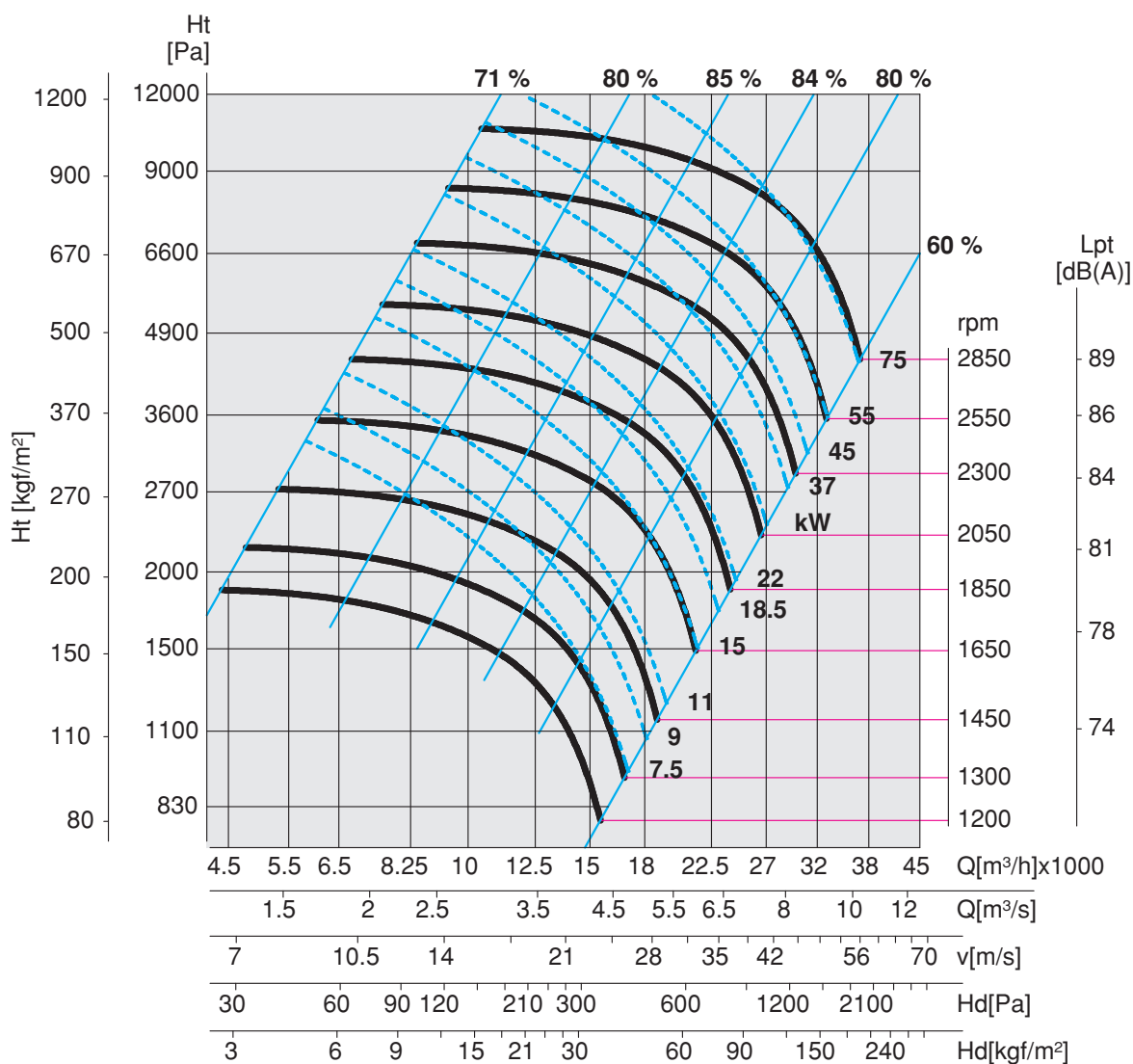
Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PQ-L	802-A	T	2	90,00	161,00	55/F	90
PQ-L	802-B	T	2	75,00	132,00	55/F	90
PQ-L	804-A	T	4	11,00	22,00	55/F	73
PQ-L	804-B	T	4	7,50	14,70	55/F	73

Limiti d'impiego - Operational limit

Tipo Type	Modello Model	Q max (m ³ /h)	Pt min (mm H ₂ O)	C max (m/s)	S (m ²)	Pd ² (kgm ²)	Mot. (Gr)
PQ-L	802-A	38280	502	58,09	0,183027	18,00	280
PQ-L	802-B	24300	832	36,89	0,183027	16,00	280
PQ-L	804-A	18800	119	28,53	0,183027	18,00	160
PQ-L	804-B	11870	198	18,02	0,183027	16,00	132

Limite massimo dei giri in funzione della temperatura dell'aria - Maximum rpm with regard to air temperature

Temperatura aria Air temperature	rpm	Costruzione Construction
0°C – 100°C	2800	Standard
100°C – 200°C Es. 1-9-12	2450	Alta temperatura/High temperature (PQL-AT)
200°C – 300°C Es. 1-9-12	2220	Alta temperatura/High temperature (PQL-AT)



Frequenza 50Hz – Temperatura dell'aria 15°C – Pressione barometrica 760 mm Hg – Peso specifico dell'aria 1,22 Kg/m³
Frequency 50Hz – Air temperature 15°C – Barometric pressure 760 mm Hg – Air specific weight 1,22 Kg/m³

Lp: livello di pressione sonora rilevato a 1,50 m - **Lp:** sound pressure level measured at 1,50 m

PQ-L 90

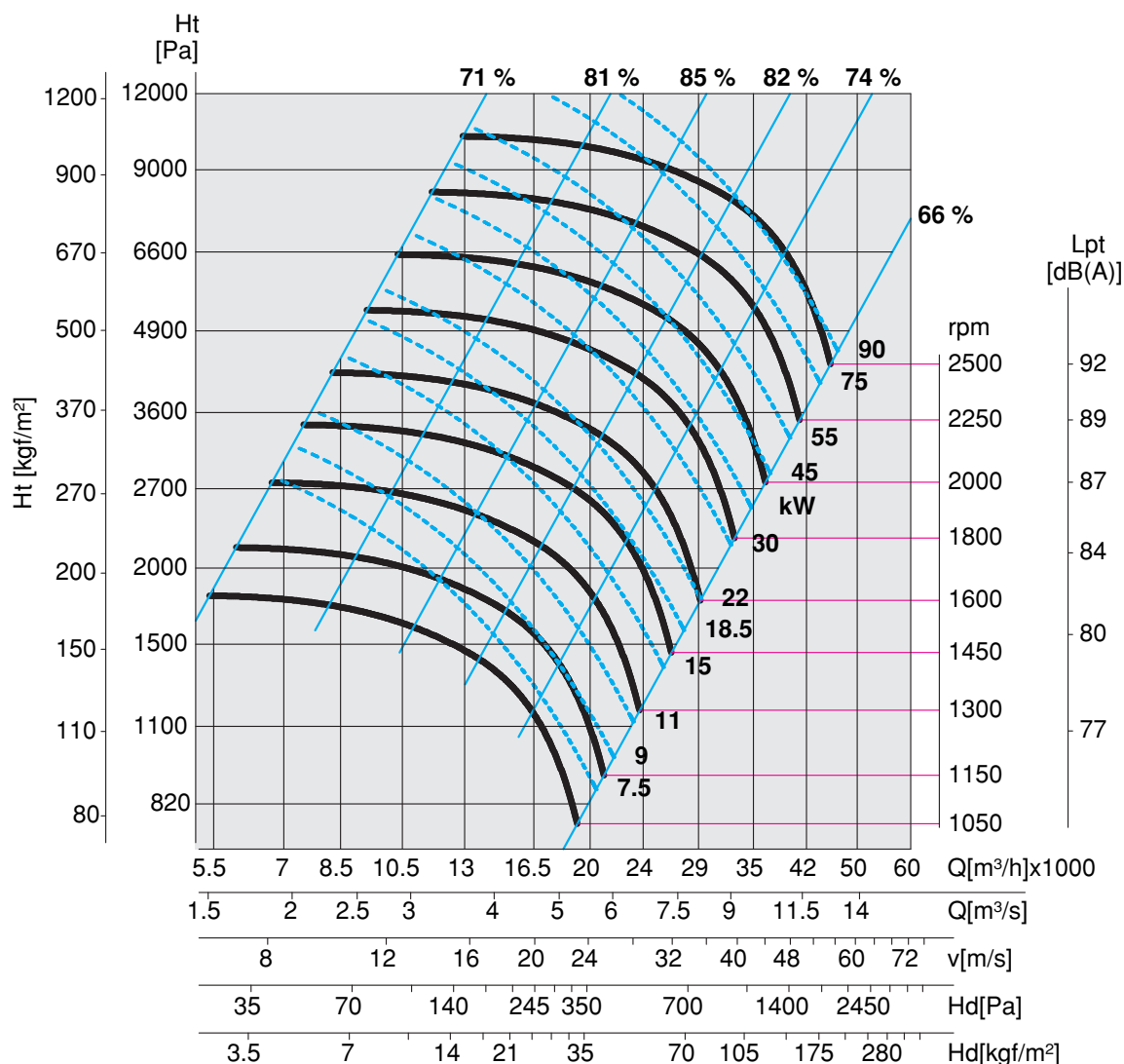
Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PQ-L	902-A	T	2	160,00	267,00	55/F	96
PQ-L	902-B	T	2	132,00	227,00	55/F	96
PQ-L	904-A	T	4	22,00	41,00	55/F	79
PQ-L	904-B	T	4	15,00	29,00	55/F	79
PQ-L	906-A	T	6	5,50	12,30	55/F	70
PQ-L	906-B	T	6	4,00	9,10	55/F	70

Limiti d'impiego - Operational limit

Tipo Type	Modello Model	Q max (m ³ /h)	Pt min (mm H ₂ O)	C max (m/s)	S (m ²)	Pd ² (kgm ²)	Mot. (Gr)
PQ-L	902-A	54200	633	65,49	0,229876	33,00	315
PQ-L	902-B	34340	1050	41,49	0,229876	27,00	315
PQ-L	904-A	26580	151	32,13	0,229876	33,00	180
PQ-L	904-B	16820	252	20,33	0,229876	27,00	160
PQ-L	906-A	17280	64	20,88	0,229876	33,00	132
PQ-L	906-B	10960	106	13,25	0,229876	27,00	132

Limite massimo dei giri in funzione della temperatura dell'aria - Maximum rpm with regard to air temperature

Temperatura aria Air temperature	rpm	Costruzione Construction
0°C – 100°C	2500	Standard
100°C – 200°C Es. 1-9-12	2250	Alta temperatura/High temperature (PQL-AT)
200°C – 300°C Es. 1-9-12	2000	Alta temperatura/High temperature (PQL-AT)



Frequenza 50Hz – Temperatura dell'aria 15°C – Pressione barometrica 760 mm Hg – Peso specifico dell'aria 1,22 Kg/m³
Frequency 50Hz – Air temperature 15°C – Barometric pressure 760 mm Hg – Air specific weight 1,22 Kg/m³

Lp: livello di pressione sonora rilevato a 1,50 m - **Lp**: sound pressure level measured at 1,50 m

PQ-L 100

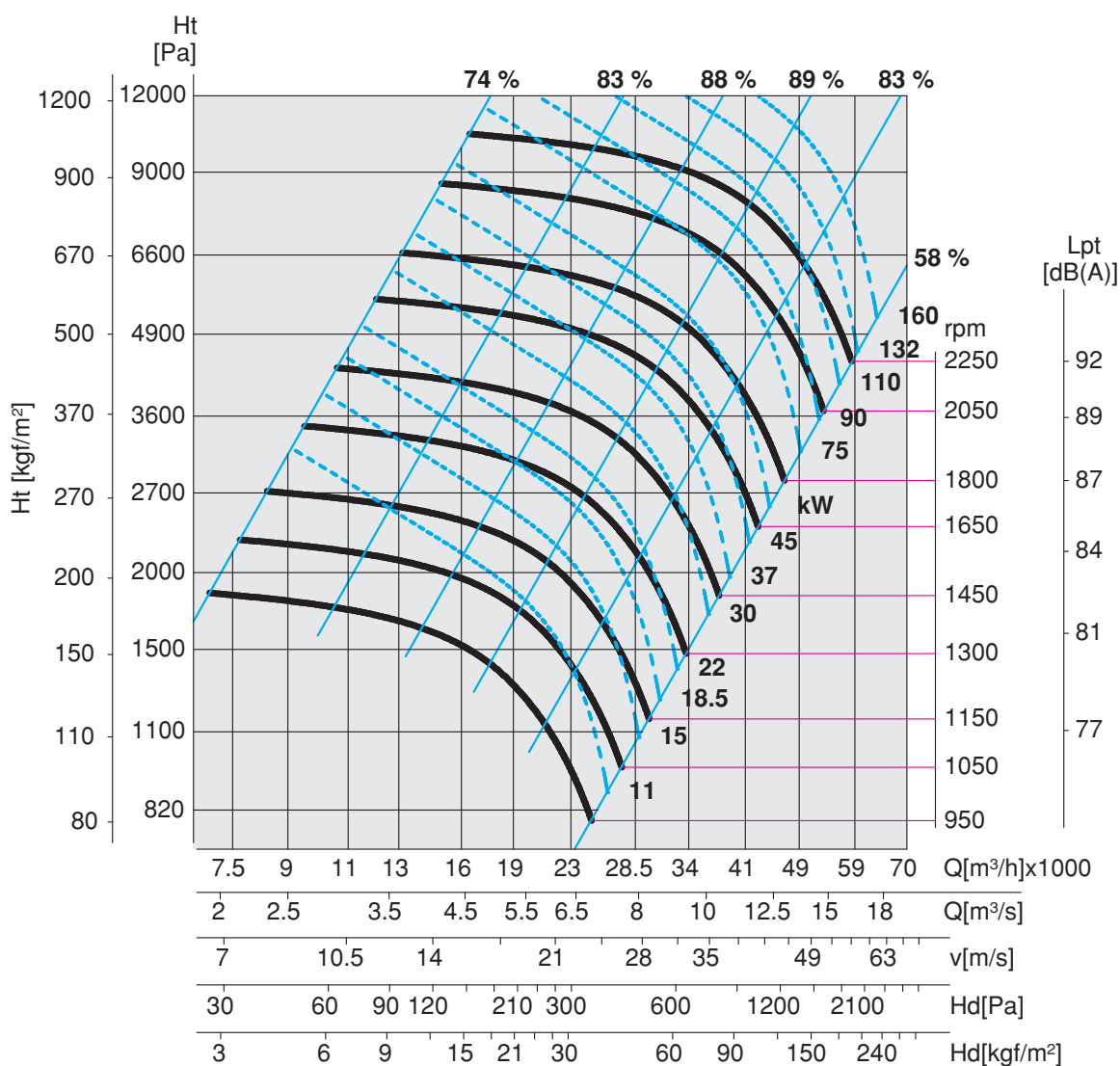
Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PQ-L	1004-A	T	4	37,00	68,00	55/F	82
PQ-L	1004-B	T	4	30,00	56,50	55/F	81
PQ-L	1006-A	T	6	11,00	22,00	55/F	72
PQ-L	1006-B	T	6	7,50	15,20	55/F	72

Limiti d'impiego - Operational limit

Tipo Type	Modello Model	Q max (m ³ /h)	Pt min (mm H ₂ O)	C max (m/s)	S (m ²)	Pd ² (kgm ²)	Mot. (Gr)
PQ-L	1004-A	38020	194	36,55	0,289014	50,00	225
PQ-L	1004-B	24040	329	23,11	0,289014	45,00	200
PQ-L	1006-A	24870	82	23,91	0,289014	50,00	160
PQ-L	1006-B	15850	142	15,24	0,289014	45,00	160

Limite massimo dei giri in funzione della temperatura dell'aria - Maximum rpm with regard to air temperature

Temperatura aria Air temperature	rpm	Costruzione Construction
0°C – 100°C	2230	Standard
100°C – 200°C Es. 1-9-12	2000	Alta temperatura/High temperature (PQL-AT)
200°C – 300°C Es. 1-9-12	1800	Alta temperatura/High temperature (PQL-AT)



Frequenza 50Hz – Temperatura dell'aria 15°C – Pressione barometrica 760 mm Hg – Peso specifico dell'aria 1,22 Kg/m³
Frequency 50Hz – Air temperature 15°C – Barometric pressure 760 mm Hg – Air specific weight 1,22 Kg/m³

Lp: livello di pressione sonora rilevato a 1,50 m - **Lp:** sound pressure level measured at 1,50 m

PQ-L 112

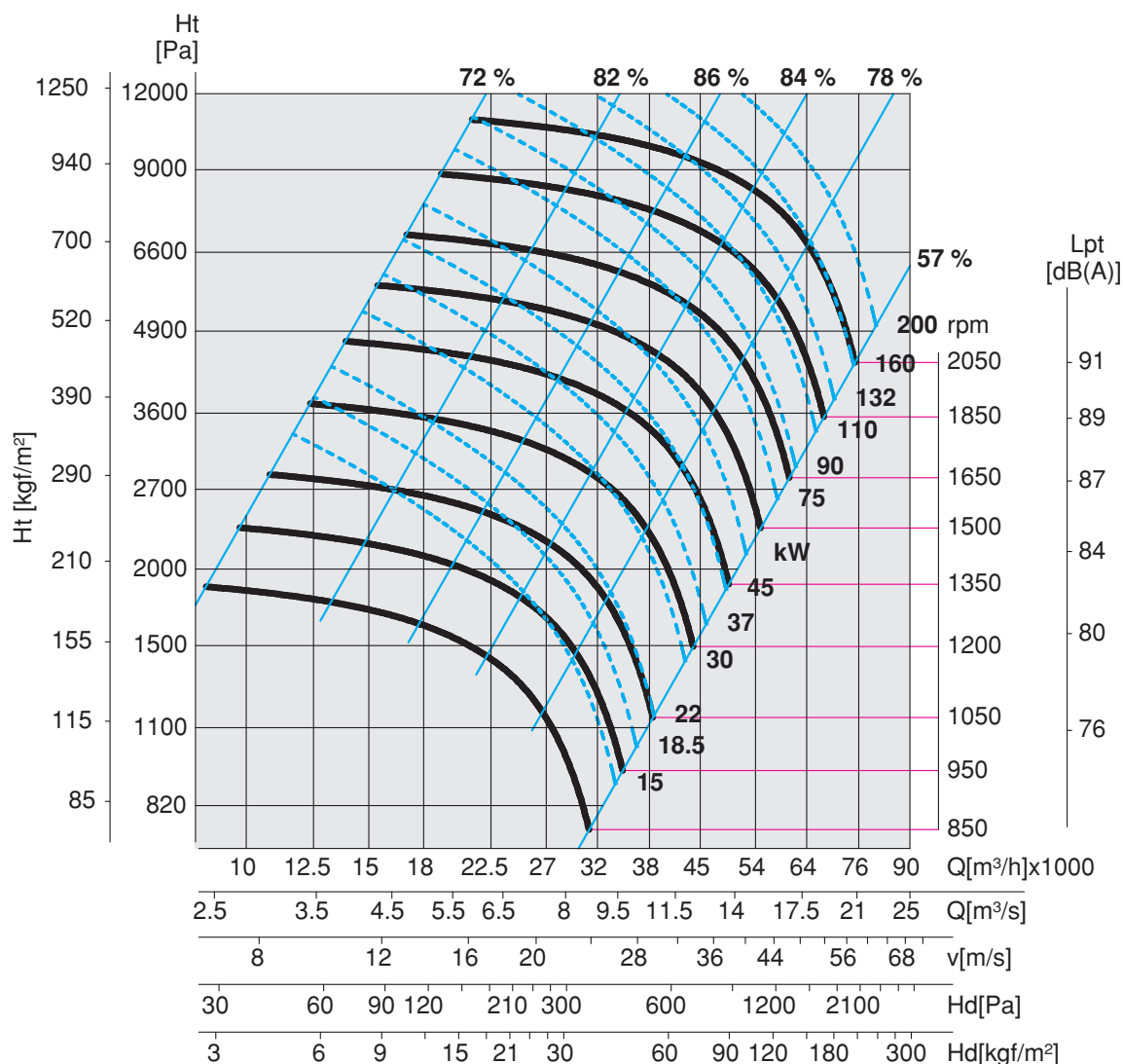
Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PQ-L	1124-A	T	4	55,00	103,00	55/F	82
PQ-L	1124-B	T	4	45,00	80,50	55/F	84
PQ-L	1126-A	T	6	18,50	36,00	55/F	75
PQ-L	1126-B	T	6	15,00	29,00	55/F	75

Limiti d'impiego - Operational limit

Tipo Type	Modello Model	Q max (m ³ /h)	Pt min (mm H ₂ O)	C max (m/s)	S (m ²)	Pd ² (kgm ²)	Mot. (Gr)
PQ-L	1124-A	54000	230	41,39	0,362505	90,00	250
PQ-L	1124-B	34060	396	26,10	0,362505	84,00	225
PQ-L	1126-A	35660	101	27,33	0,362505	90,00	200
PQ-L	1126-B	22570	172	17,30	0,362505	84,00	180

Limite massimo dei giri in funzione della temperatura dell'aria - Maximum rpm with regard to air temperature

Temperatura aria Air temperature	rpm	Costruzione Construction
0°C – 100°C	2000	Standard
100°C – 200°C Es. 1-9-12	1800	Alta temperatura/High temperature (PQL-AT)
200°C – 300°C Es. 1-9-12	1600	Alta temperatura/High temperature (PQL-AT)



Frequenza 50Hz – Temperatura dell'aria 15°C – Pressione barometrica 760 mm Hg – Peso specifico dell'aria 1,22 Kg/m³
Frequency 50Hz – Air temperature 15°C – Barometric pressure 760 mm Hg – Air specific weight 1,22 Kg/m³

Lp: livello di pressione sonora rilevato a 1,50 m - **Lp**: sound pressure level measured at 1,50 m

PQ-L 125

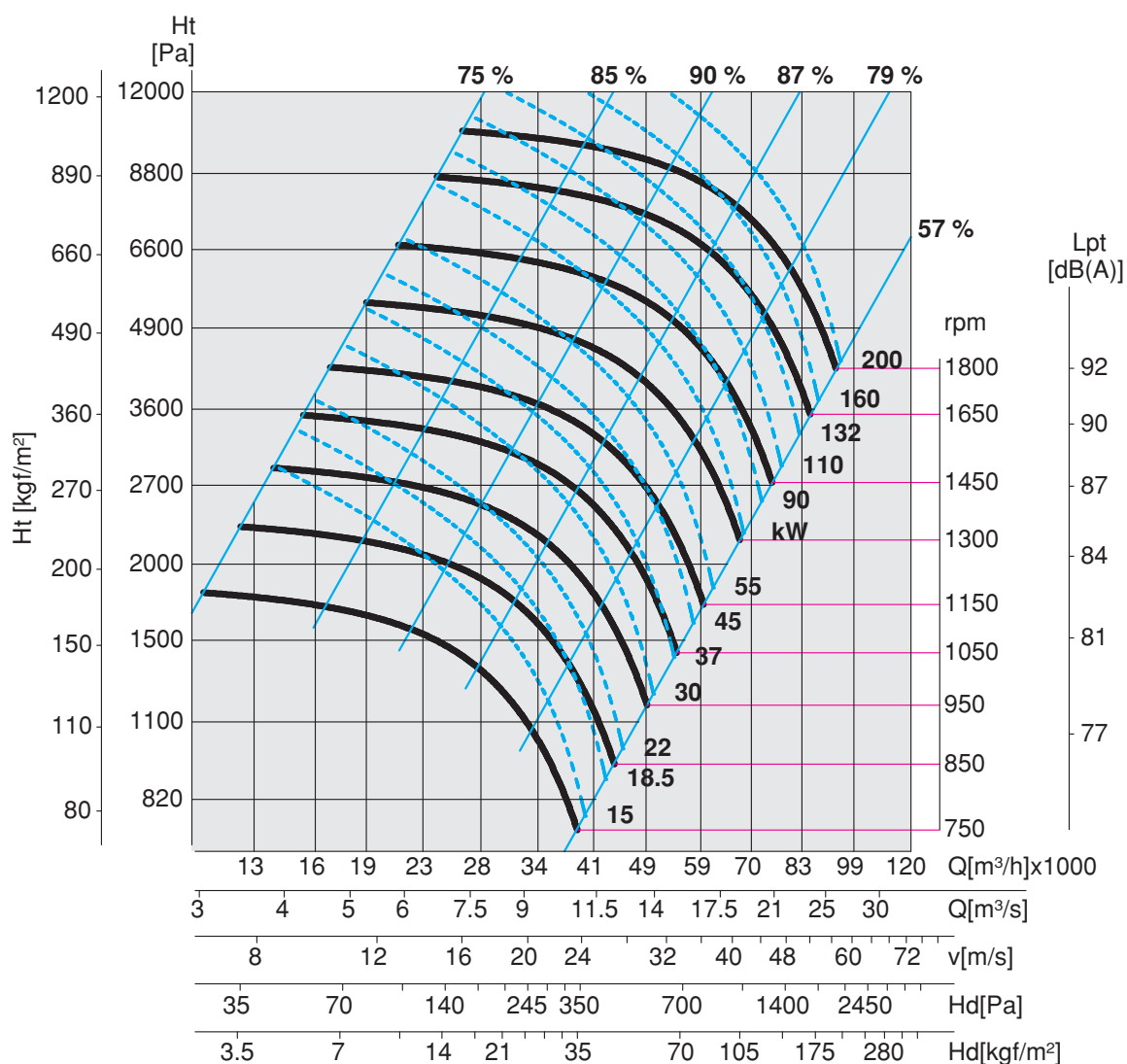
Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PQ-L	1254-A	T	4	110,00	192,00	55/F	88
PQ-L	1254-B	T	4	75,00	134,00	55/F	86
PQ-L	1256-A	T	6	30,00	56,00	55/F	79
PQ-L	1256-B	T	6	22,00	42,50	55/F	79

Limiti d'impiego - Operational limit

Tipo Type	Modello Model	Q max (m ³ /h)	Pt min (mm H ₂ O)	C max (m/s)	S (m ²)	Pd ² (kgm ²)	Mot. (Gr)
PQ-L	1254-A	76370	293	46,55	0,455769	160,00	315
PQ-L	1254-B	47500	502	28,95	0,455769	151,00	280
PQ-L	1256-A	50420	126	30,73	0,455769	160,00	225
PQ-L	1256-B	31120	284	18,97	0,455769	151,00	200

Limite massimo dei giri in funzione della temperatura dell'aria - Maximum rpm with regard to air temperature

Temperatura aria Air temperature	rpm	Costruzione Construction
0°C – 100°C	1800	Standard
100°C – 200°C Es. 1-9-12	1600	Alta temperatura/High temperature (PQL-AT)
200°C – 300°C Es. 1-9-12	1400	Alta temperatura/High temperature (PQL-AT)



Frequenza 50Hz – Temperatura dell'aria 15°C – Pressione barometrica 760 mm Hg – Peso specifico dell'aria 1,22 Kg/m³
Frequency 50Hz – Air temperature 15°C – Barometric pressure 760 mm Hg – Air specific weight 1,22 Kg/m³

Lp: livello di pressione sonora rilevato a 1,50 m - **Lp:** sound pressure level measured at 1,50 m

PQ-L 140

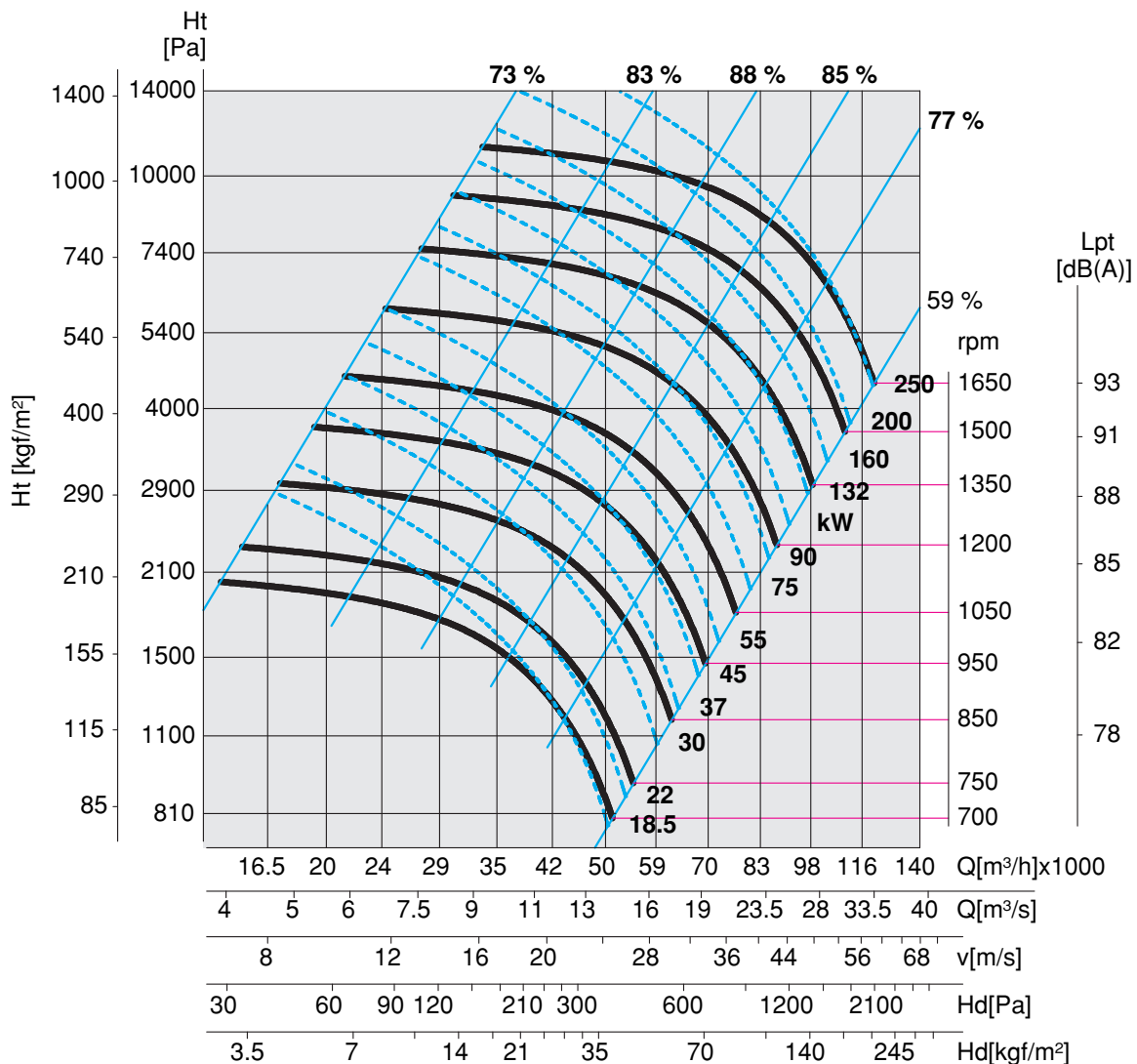
Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PQ-L	1404-A	T	4	160,00	274,00	55/F	88
PQ-L	1404-B	T	4	132,00	228,00	55/F	89
PQ-L	1406-A	T	6	55,00	102,00	55/F	82
PQ-L	1406-B	T	6	37,00	68,00	55/F	82

Limiti d'impiego - Operational limit

Tipo Type	Modello Model	Q max (m ³ /h)	Pt min (mm H ₂ O)	C max (m/s)	S (m ²)	Pd ² (kgm ²)	Mot. (Gr)
PQ-L	1404-A	108100	370	52,41	0,572924	266,00	315
PQ-L	1404-B	68270	654	33,10	0,572924	251,00	315
PQ-L	1406-A	71580	161	34,71	0,572924	266,00	280
PQ-L	1406-B	45340	283	21,99	0,572924	251,00	250

Limite massimo dei giri in funzione della temperatura dell'aria - Maximum rpm with regard to air temperature

Temperatura aria Air temperature	rpm	Costruzione Construction
0°C – 100°C	1600	Standard
100°C – 200°C Es. 1-9-12	1380	Alta temperatura/High temperature (PQL-AT)
200°C – 300°C Es. 1-9-12	1250	Alta temperatura/High temperature (PQL-AT)



ESECUZIONE / ARRANGEMENT - 4

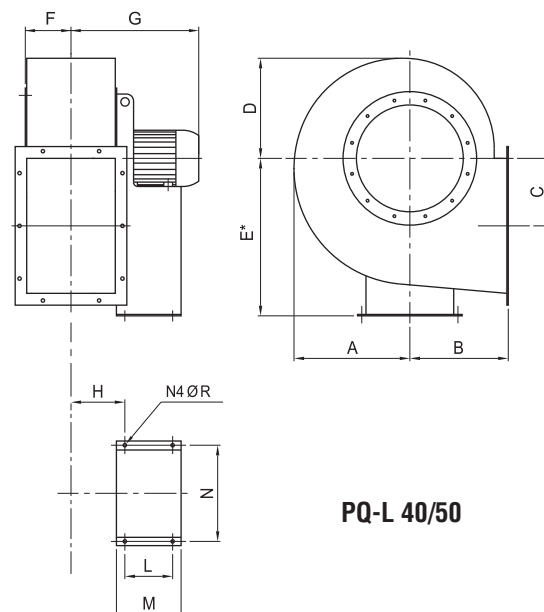
TIPO TYPE	A	B	C	D	E1 0°+135°	E* E2 180°+225°	E3 270°+315°	F
PQ-L 40	370	285	319	315	500	285	500	105
PQ-L 45	415	320	357	355	560	320	560	115
PQ-L 50	472	360	396	400	600	360	600	127
PQ-L 56	540	400	436	456	670	400	670	142
PQ-L 63	602	450	490	510	750	450	750	158
PQ-L 71	689	500	558	566	670	500	850	185
PQ-L 80	780	560	625	641	755	560	950	199
PQ-L 90	870	630	703	720	850	630	1060	221
PQ-L 100	975	710	791	813	950	710	1180	246
PQ-L 112	1084	800	891	902	1060	800	1320	277
PQ-L 125	1216	900	1003	1017	1190	900	1500	310
PQ-L 140	1325	1000	1116	1116	1320	1000	1700	344

Dimensioni in mm / Dimensions in mm

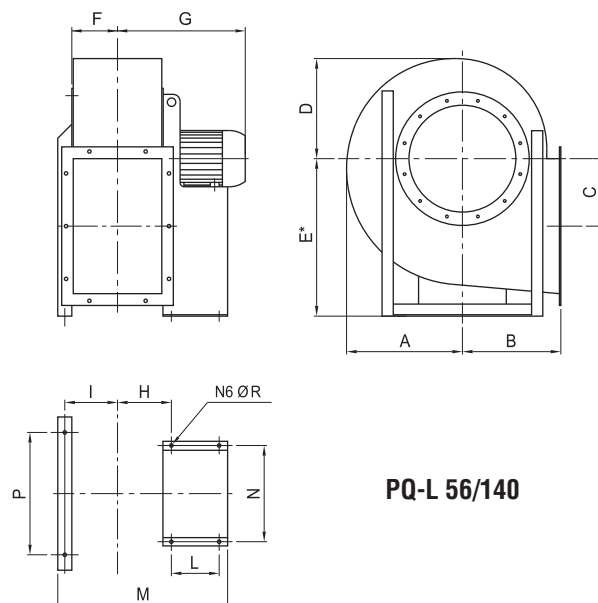
NB.: E* Vedi tabella orientamenti pag. 151 sez.6
See discharge angle schedule pag. 151 sez.6

TIPO TYPE	POLI POLES	MOTORE MOTOR	G	H	I	L	M	N	P	ØR	kg
PQ-L 40	2	90	362	147	-	136	205	234	-	12	73
"	2	100	432	125	-	197	250	289	-	12	81
PQ-L 45	2	112	442	136	-	197	250	280	-	12	112
"	2	132	504	146	-	237	300	337	-	12	112
PQ-L 50	2	132	516	158	-	237	300	337	-	12	145
"	2	160	653	168	-	337	415	395	-	14	203
PQ-L 56	2	160	666	182	158	337	728	395	632	14	227
"	2	160	666	182	158	337	728	395	632	14	240
"	4	90	398	187	158	133	518	234	632	10	137
"	4	100	468	162	158	197	563	289	632	12	144
PQ-L 63	2	180	757	218	174	357	805	434	702	20	311
"	2	200	757	228	174	381	845	506	702	20	364
"	4	100	484	178	174	197	595	289	702	20	147
"	4	112	484	178	174	197	595	289	702	20	155
PQ-L 71	2	200	774	221	194	401	882	772	772	20	440
"	2	225	851	221	194	440	922	772	772	20	481
"	4	112	500	221	194	151	632	772	772	20	246
"	4	132	563	221	194	201	682	772	772	20	258
PQ-L 80	2	280	1000	240	214	591	1131	862	862	20	603
"	2	280	1000	240	214	591	1131	862	862	20	694
"	4	132	581	240	214	201	741	862	862	20	331
"	4	160	717	240	214	316	856	862	862	20	389
PQ-L 90	2	315	1164	262	235	701	1284	962	962	20	938
"	2	315	1164	262	235	701	1284	962	962	20	964
"	4	160	740	262	235	316	899	962	962	20	478
"	4	180	815	262	235	361	944	962	962	20	534
"	6	132	604	262	235	201	784	962	962	20	388
"	6	132	604	262	235	210	784	962	962	20	399
PQ-L 100	4	200	839	281	260	400	1053	1056	1056	20	671
"	4	225	916	281	260	440	1093	1056	1056	20	713
"	6	160	764	281	260	315	968	1056	1056	20	556
"	6	160	764	281	260	315	968	1056	1056	20	587
PQ-L 112	4	225	943	333	299	415	1147	1178	1178	24	985
"	4	250	943	333	299	475	1207	1178	1178	24	1056
"	6	180	860	333	299	335	1067	1178	1178	24	825
"	6	200	860	333	299	375	1107	1178	1178	24	906
PQ-L 125	4	280	1104	364	330	565	1359	1310	1310	24	1356
"	4	315	1104	364	330	675	1469	1310	1310	24	1392
"	6	200	897	364	330	375	1169	1310	1310	24	1111
"	6	225	974	364	330	415	1209	1310	1310	24	1182
PQ-L 140	4	315	1281	419	364	645	1568	560	1450	24	1930
"	4	315	1281	419	364	645	1568	630	1450	24	2016
"	6	250	1009	389	364	475	1368	710	1450	24	1625
"	6	280	1139	419	364	535	1458	800	1450	24	1741

Dimensioni in mm / Dimensions in mm



PQ-L 40/50



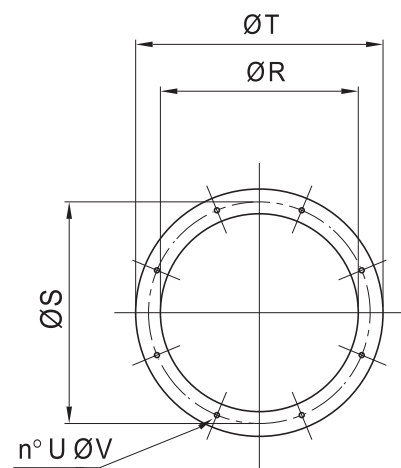
PQ-L 56/140

NOTE: PQ-L 40/63 angolo orientamento modificabile
PQ-L 71/140 angolo orientamento non modificabile

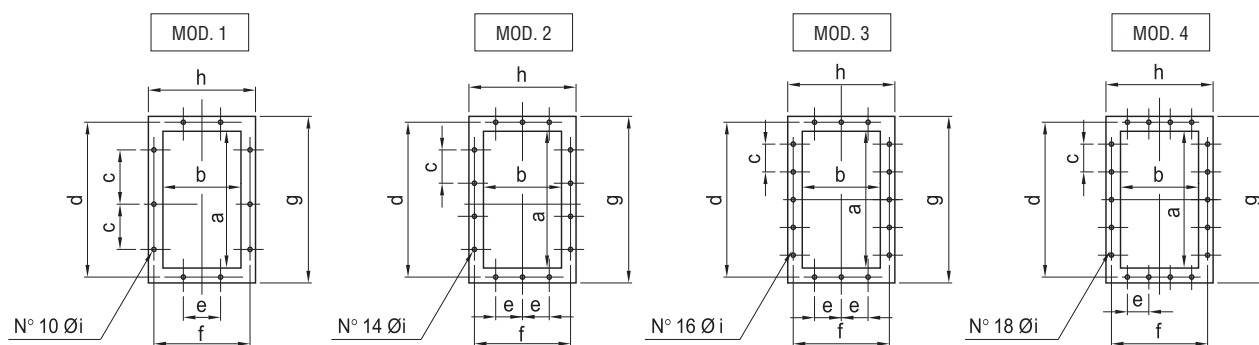
NOTE: PQ-L 40/63 allow the modification to discharge angle
PQ-L 71/140 do not allow the modification of discharge angle

BOCCA ASPIRANTE / INLET

TIPO/TYPE	ØR	ØS	ØT	U	ØV
40	255	292	325	8	10
45	285	332	365	8	10
50	320	366	400	8	10
56	360	405	440	8	10
63	405	448	485	12	10
71	455	497	535	12	10
80	505	551	585	12	10
90	565	629	665	12	10
100	635	698	735	12	12
112	715	775	815	16	12
125	805	861	905	16	12
140	905	958	1005	16	12



Dimensioni in mm / Dimensions in mm

BOCCA PREMENTE / OUTLET


TIPO/TYPE	a	b	c	d	e	f	g	h	i	MOD.
40	258	185	112	292	112	219	328	255	12	1
45	288	205	125	332	125	249	368	285	12	1
50	322	229	125	366	125	273	402	309	12	1
56	361	256	125	405	125	300	441	336	12	1
63	404	288	125	448	125	332	484	368	12	2
71	453	322	125	497	125	366	533	402	12	2
80	507	361	125	551	125	405	587	441	12	2
90	569	404	160	629	160	464	669	504	14	2
100	638	453	160	698	160	513	738	553	14	2
112	715	507	160	775	160	567	815	607	14	3
125	801	569	200	871	200	639	921	689	14	2
140	898	638	200	968	200	708	1018	758	14	4

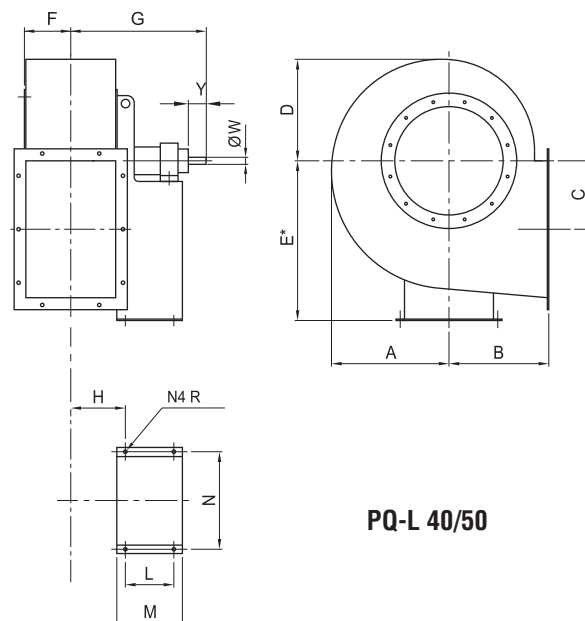
Dimensioni in mm / Dimensions in mm

ESECUZIONE / ARRANGEMENT - 1

TIPO TYPE	A	B	C	D	E1	E*	E3	F	G
					0°+135°	180°+225°			
PQ-L 40	370	285	319	315	500	285	500	105	671
PQ-L 45	415	320	357	355	560	320	560	115	680
PQ-L 50	472	360	396	400	600	360	600	127	799
PQ-L 56	540	400	436	456	670	400	670	142	889
PQ-L 63	602	450	490	510	750	450	750	158	911
PQ-L 71	689	500	558	566	670	500	850	185	973
PQ-L 80	780	560	625	641	755	560	950	199	1015
PQ-L 90	870	630	703	720	850	630	1060	221	1036
PQ-L 100	975	710	791	813	950	710	1180	246	1203
PQ-L 112	1084	800	891	902	1060	800	1320	277	1372
PQ-L 125	1216	900	1003	1017	1190	900	1500	310	1400
PQ-L 140	1325	1000	1116	1116	SU RICHIESTA / UP ON REQUEST			344	1543

Dimensioni in mm / Dimensions in mm

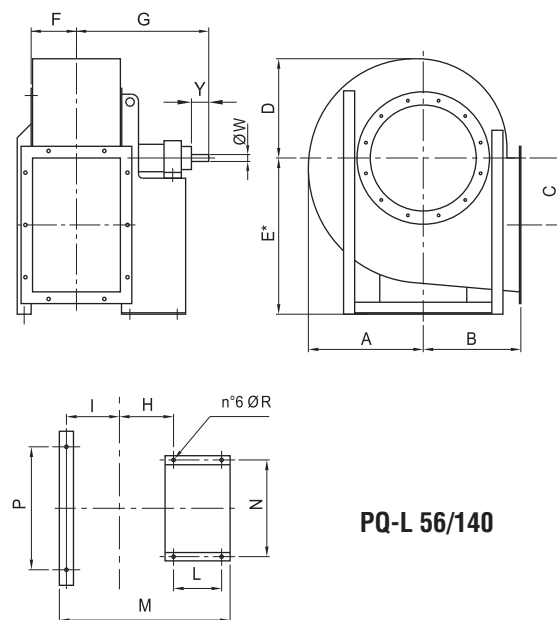
NB.: E* Vedi tabella orientamenti pag. 151 sez.6
See discharge angle schedule pag. 151 sez.6



PQ-L 40/50

TIPO TYPE	H	I	L	M	N	P	ØR	ALBERO/SHAFT		kg
								ØW	Y	
PQ-L 40	145	-	407	485	355	-	15	38	80	78
PQ-L 45	156	-	407	485	355	-	15	38	80	94
PQ-L 50	168	-	477	560	364	-	18	42	110	135
PQ-L 56	182	158	477	873	632	632	18	48	110	173
PQ-L 63	198	174	477	905	702	702	18	48	110	209
PQ-L 71	221	194	551	1032	772	772	20	48	110	270
PQ-L 80	241	213	551	1091	862	862	20	55	110	330
PQ-L 90	262	235	551	1134	962	962	20	55	110	395
PQ-L 100	282	259	607	1260	1056	1254	20	65	140	515
PQ-L 112	334	298	760	1492	1178	1178	25	75	140	715
PQ-L 125	364	330	760	1017	1310	1310	25	75	140	998
PQ-L 140	419	364	780	1116	1450	1450	25	80	170	1410

Dimensioni in mm / Dimensions in mm



PQ-L 56/140

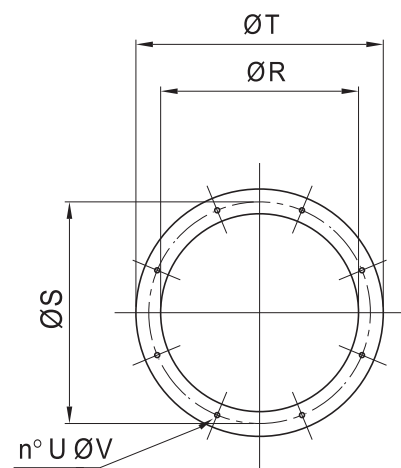
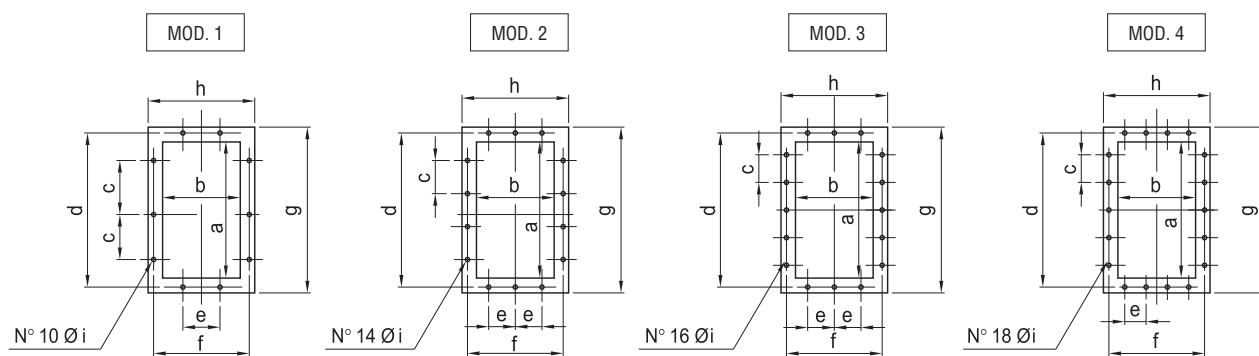
NOTE: PQ-L 40/63 angolo orientamento modificabile
PQ-L 71/140 angolo orientamento non modificabile

NOTE: PQ-L 40/63 allow the modification to discharge angle
PQ-L 71/140 do not allow the modification of discharge angle

BOCCA ASPIRANTE / INLET

TIPO/TYPE	ØR	ØS	ØT	U	ØV
40	255	292	325	8	10
45	285	332	365	8	10
50	320	366	400	8	10
56	360	405	440	8	10
63	405	448	485	12	10
71	455	497	535	12	10
80	505	551	585	12	10
90	565	629	665	12	10
100	635	698	735	12	12
112	715	775	815	16	12
125	805	861	905	16	12
140	905	958	1005	16	12

Dimensioni in mm / Dimensions in mm


BOCCA PREMENTE / OUTLET


TIPO/TYPE	a	b	c	d	e	f	g	h	i	MOD.
40	258	185	112	292	112	219	328	255	12	1
45	288	205	125	332	125	249	368	285	12	1
50	322	229	125	366	125	273	402	309	12	1
56	361	256	125	405	125	300	441	336	12	1
63	404	288	125	448	125	332	484	368	12	2
71	453	322	125	497	125	366	533	402	12	2
80	507	361	125	551	125	405	587	441	12	2
90	569	404	160	629	160	464	669	504	14	2
2100	638	453	160	698	160	513	738	553	14	2
112	715	507	160	775	160	567	815	607	14	3
125	801	569	200	871	200	639	921	689	14	2
140	898	638	200	968	200	708	1018	758	14	4

Dimensioni in mm / Dimensions in mm

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