> PQ-L

Ventilatori centrifughi pale rovesce

Backward curved blade centrifugal fans

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 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 3a.
- 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

- 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 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).*

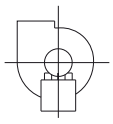
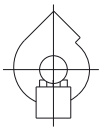
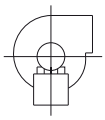
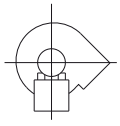
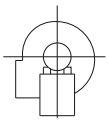
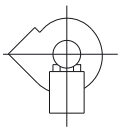
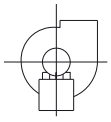
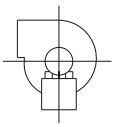
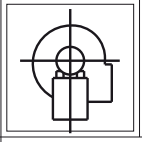
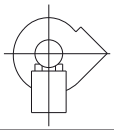
ACCESSORIES

- *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).*

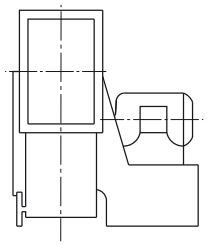
ORIENTAMENTI *Discharge angles*

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

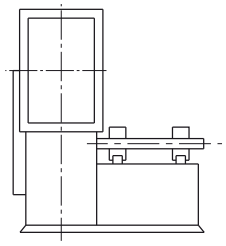
NB.: Orientamento standard **LG270°** / *Standard orientation **LG270°***
(*) Richiede costruzione speciale / *Request special construction*

ESECUZIONI *Executions*

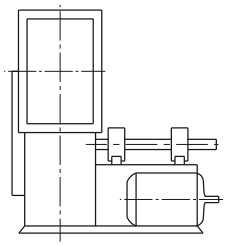
4: Girante a sbalzo direttamente accoppiata al motore, sostenuto dalla base/sedia.
4: Impeller directly coupled to the motor supported by the motor support base.



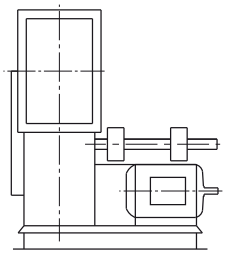
1: Predisposizione all'accoppiamento con cinghie e pulegge, girante a sbalzo, direttamente accoppiata a supporto sostenuto dalla base/sedia.
1: Arrangement for belt drive with impeller directly coupled to the support shaft carried by the motor support base.



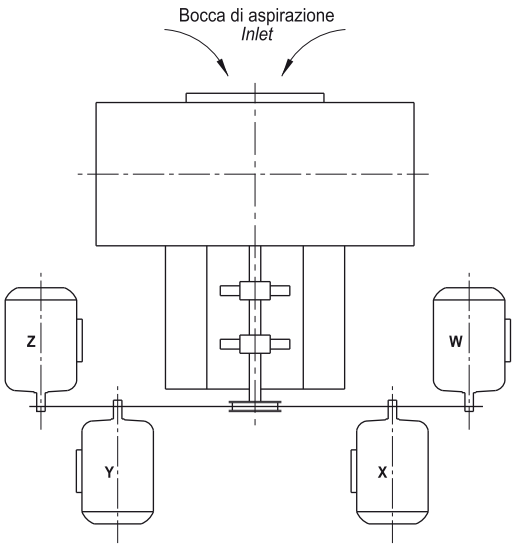
9: Come esecuzione 1 con predisposizione al montaggio del motore posto sul fianco della base/sedia.
9: Same as execution 1 with arrangement for the motor assembled on the side of the support base.



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.

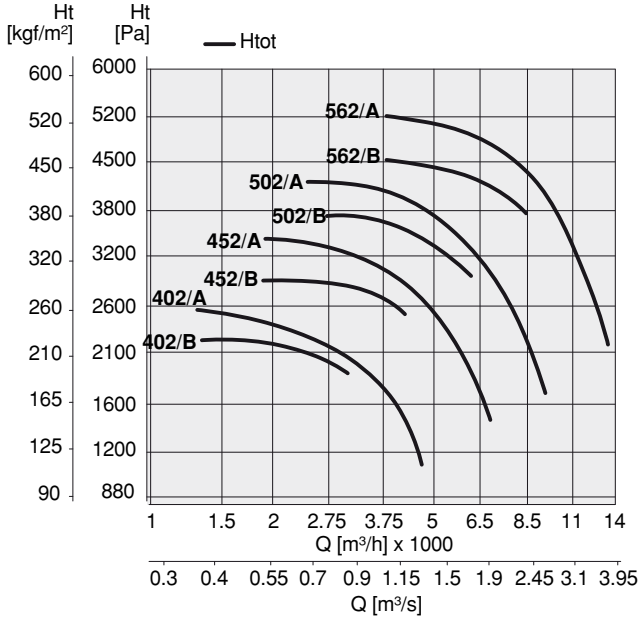


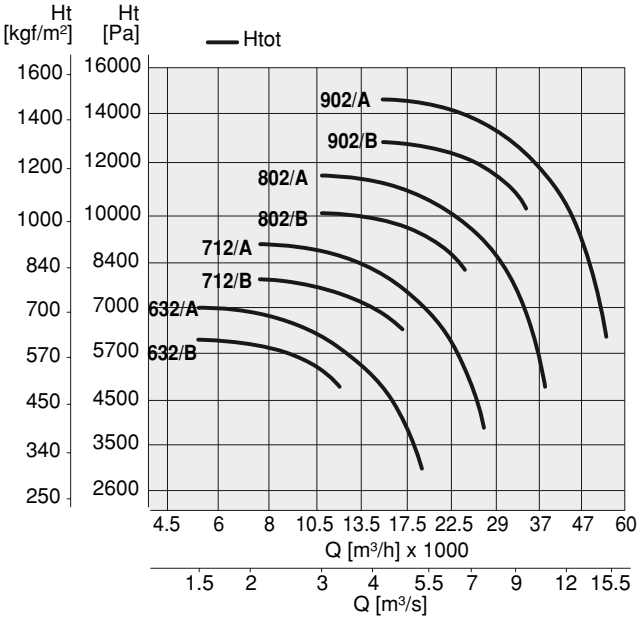
POSIZIONE MOTORE *Motor position*

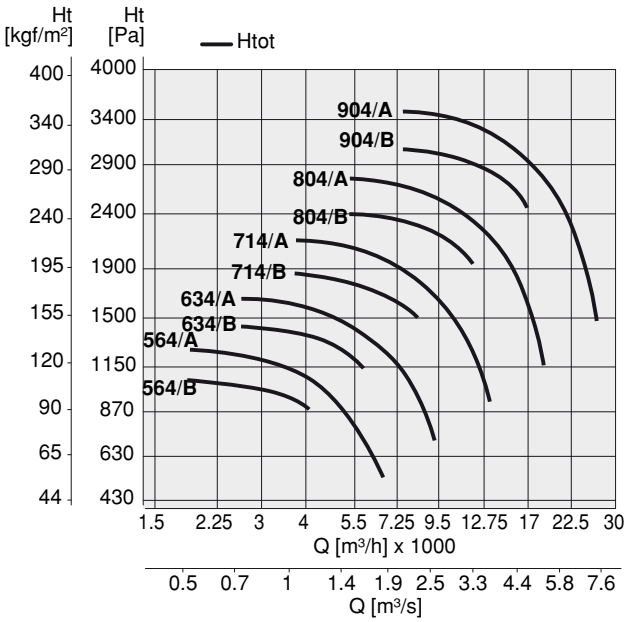


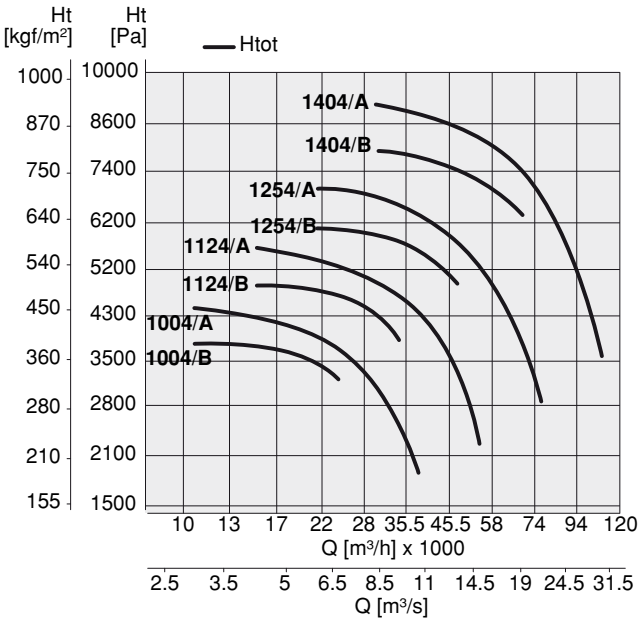
Frequenza 50Hz – Temperatura dell'aria 15°C – Pressione barometrica 760 mm Hg – Peso specifico dell'aria 1,22 Kg/m3
Frequency 50Hz – Air temperature 15°C – Barometric pressure 760 mm Hg – Air specific weight 1,22 Kg/m3

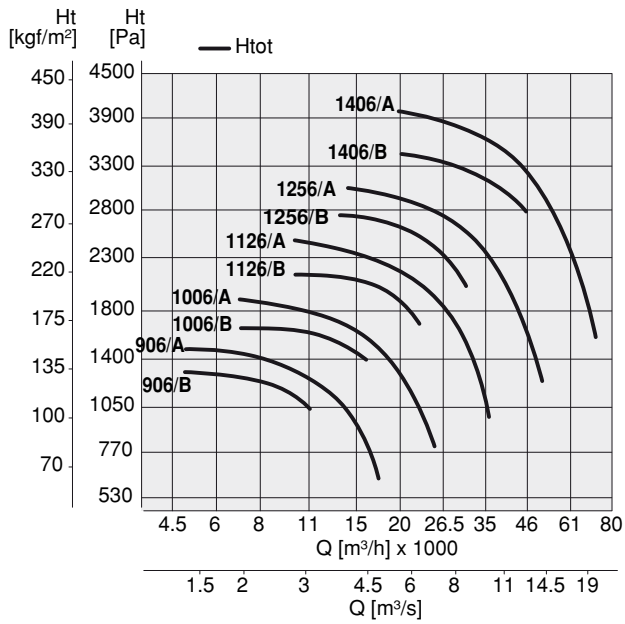
Lp: livello di pressione sonora rilevato a 1,50 m - ***Lp:*** *sound pression level measured at 1,50 m*











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

PQ-L 40

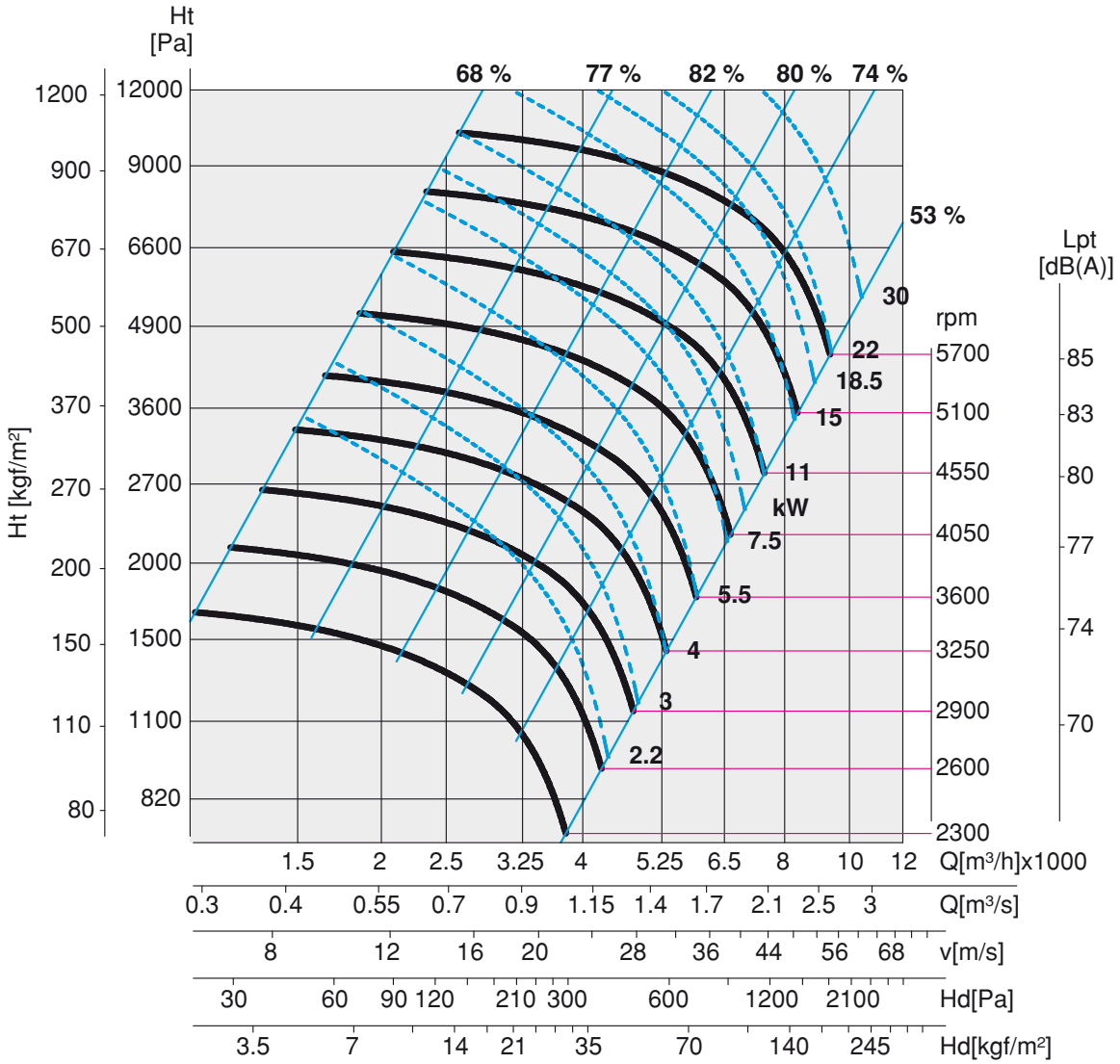
Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PQ-L	402-A	T	2	3,00	6,40	55/F	70
PQ-L	402-B	T	2	2,20	4,90	55/F	71

Limiti d'impiego - *Operational limit*

Tipo Type	Modello Model	Q max (m^3/h)	Pt min (mm H_2O)	C max (m/s)	S (m^2)	Pd² (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)



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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 pression level measured at 1,50 m*

PQ-L 45

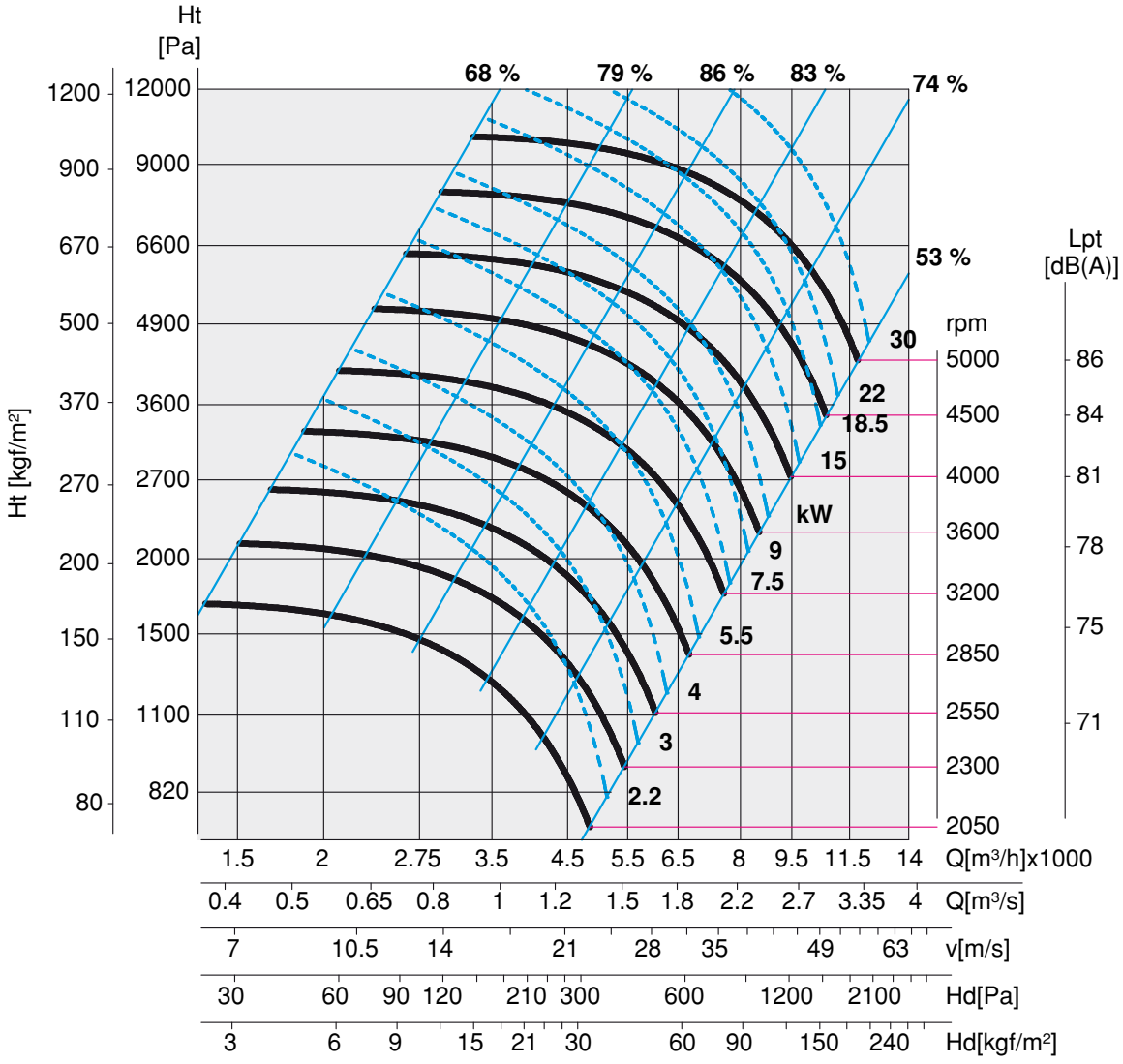
Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PQ-L	452-A	T	2	5,50	10,60	55/F	74
PQ-L	452-B	T	2	4,00	8,50	55/F	74

Limiti d'impiego - *Operational limit*

Tipo Type	Modello Model	Q max (m^3/h)	Pt min (mm H_2O)	C max (m/s)	S (m^2)	Pd² (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)



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

PQ-L 50

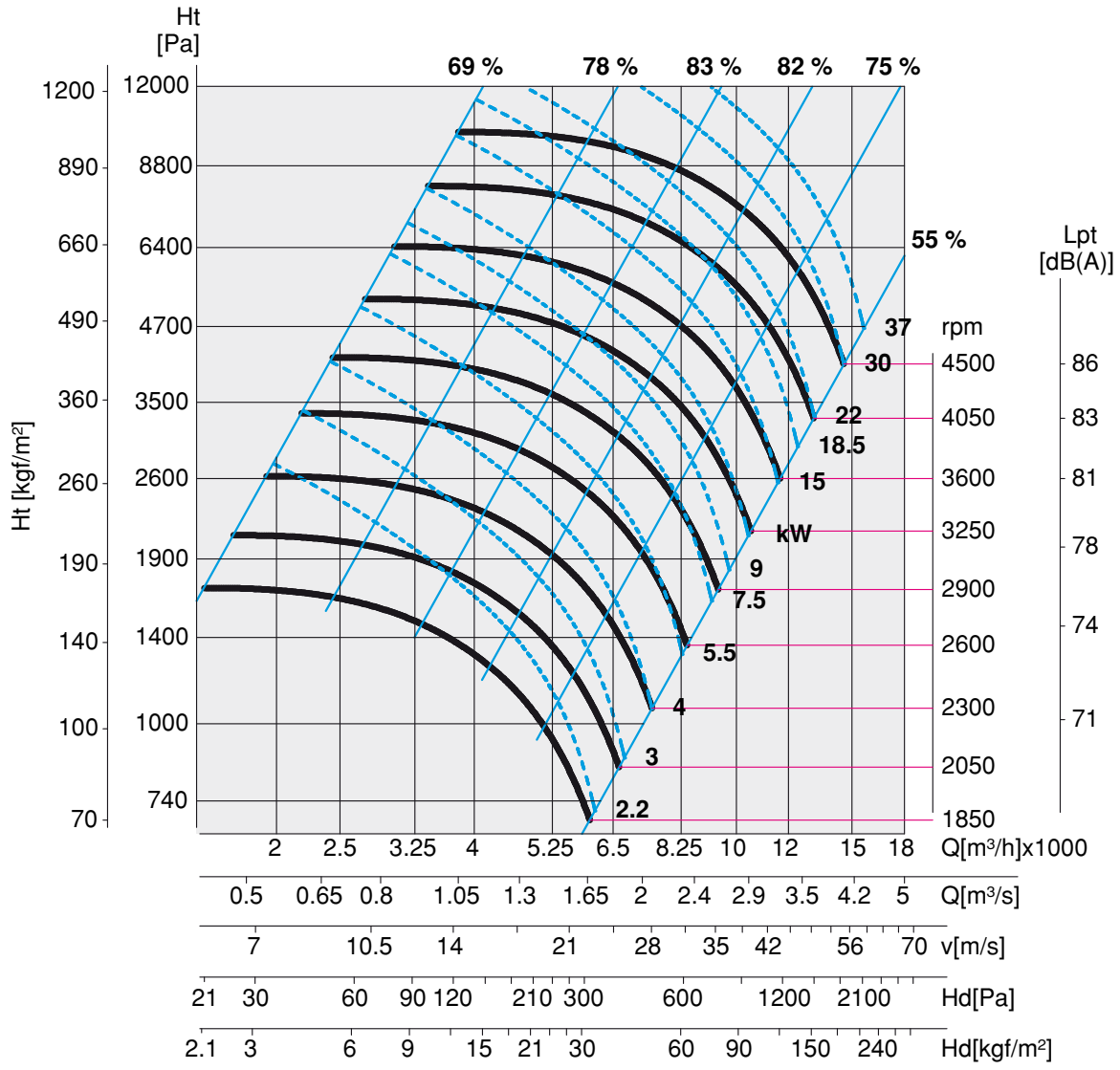
Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PQ-L	502-A	T	2	11,00	20,40	55/F	76
PQ-L	502-B	T	2	7,50	14,10	55/F	76

Limiti d'impiego - *Operational limit*

Tipo Type	Modello Model	Q max (m^3/h)	Pt min (mm H_2O)	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)



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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 pression level measured at 1,50 m*

PQ-L 56

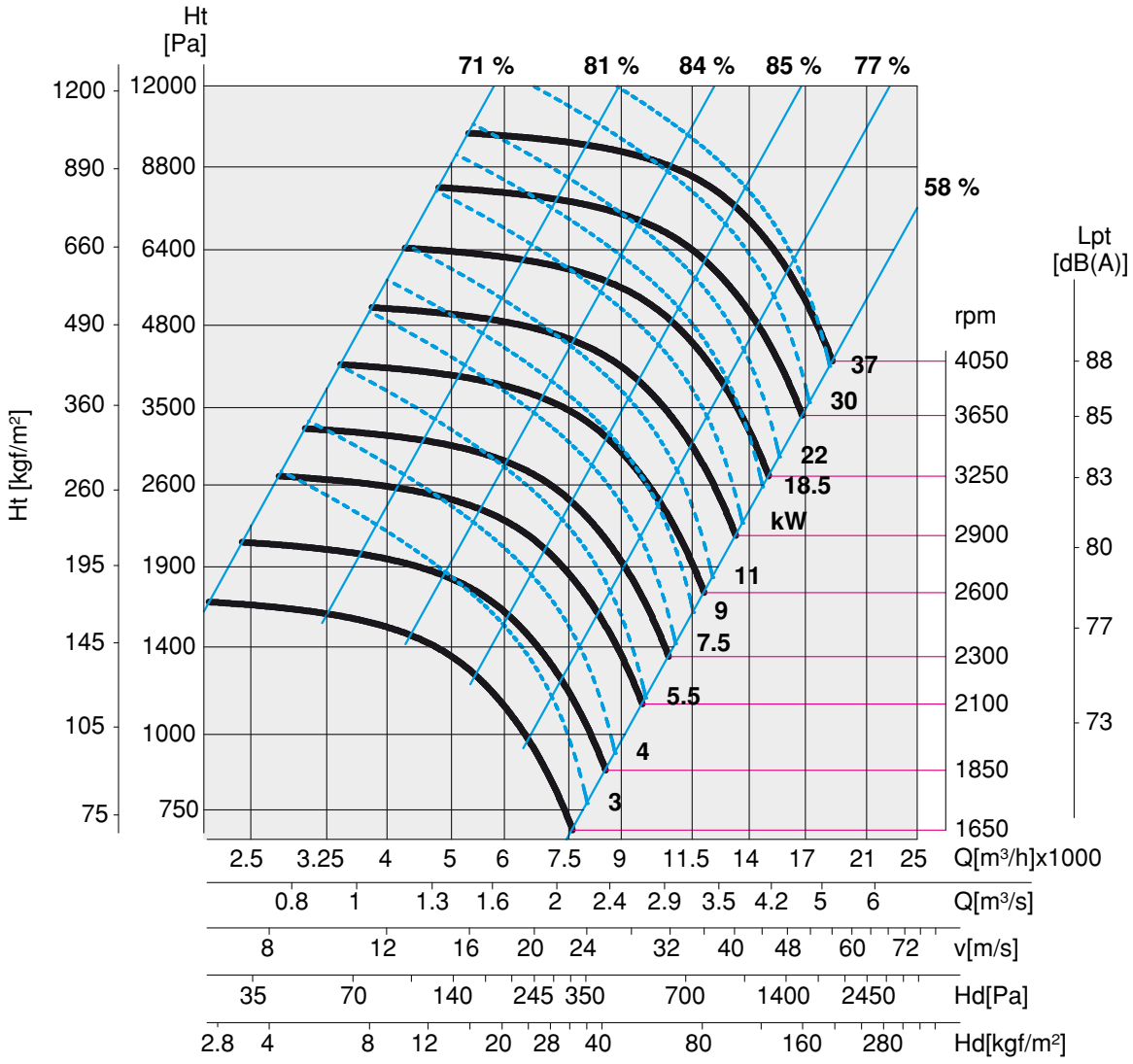
Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PQ-L	562-A	T	2	15,00	27,50	55/F	81
PQ-L	562-B	T	2	11,00	20,40	55/F	81
PQ-L	564-A	T	4	2,20	5,40	55/F	65
PQ-L	564-B	T	4	1,50	3,60	55/F	64

Limiti d'impiego - *Operational limit*

Tipo Type	Modello Model	Q max (m^3/h)	Pt min (mm H_2O)	C max (m/s)	S (m^2)	Pd² (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)



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

PQ-L 63

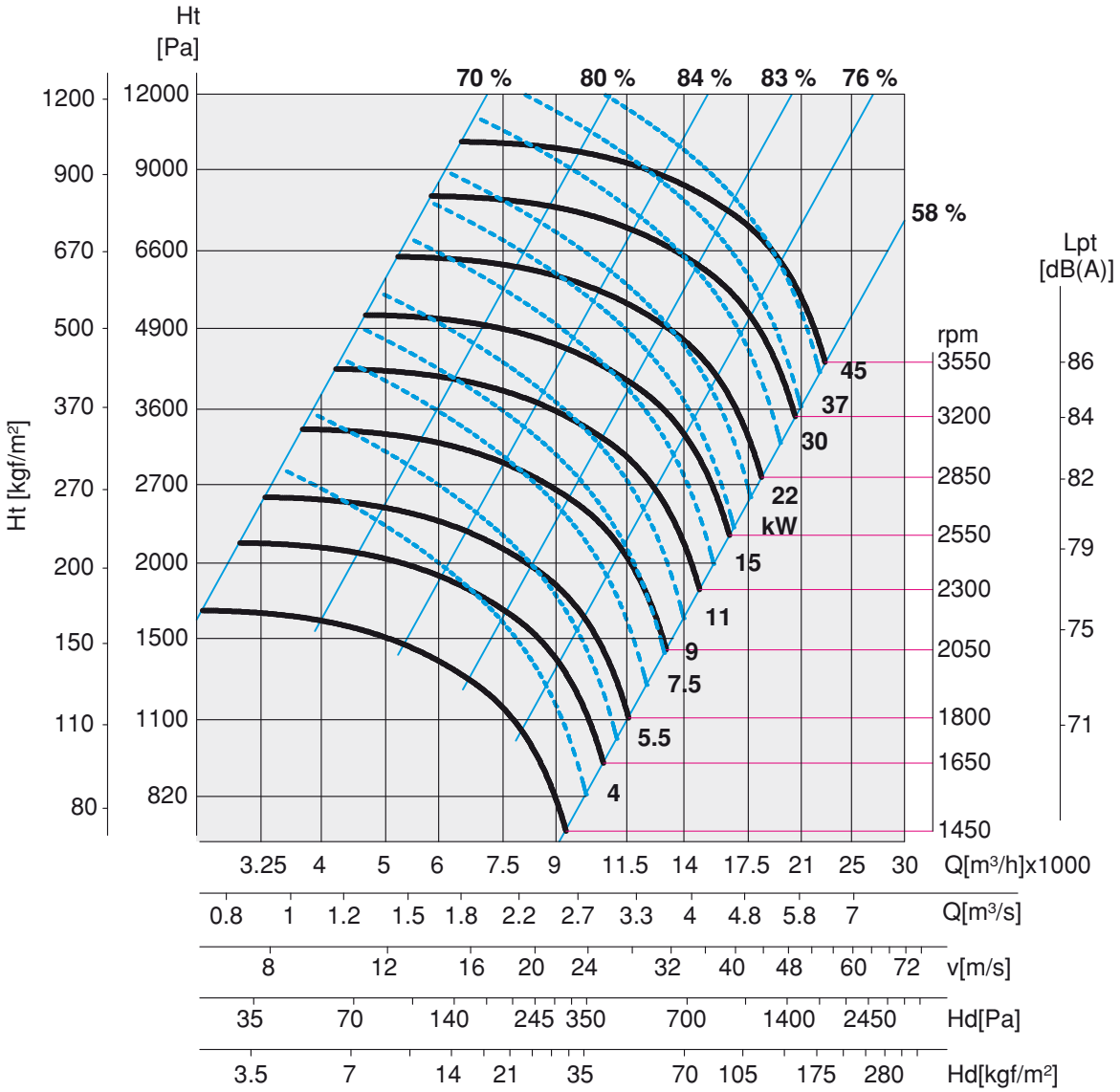
Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PQ-L	632-A	T	2	30,00	53,50	55/F	83
PQ-L	632-B	T	2	22,00	39,50	55/F	83
PQ-L	634-A	T	4	4,00	8,50	55/F	66
PQ-L	634-B	T	4	3,00	6,80	55/F	66

Limiti d'impiego - *Operational limit*

Tipo Type	Modello Model	Q max (m^3/h)	Pt min (mm H_2O)	C max (m/s)	S (m^2)	Pd² (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 pression level measured at 1,50 m*

PQ-L 71

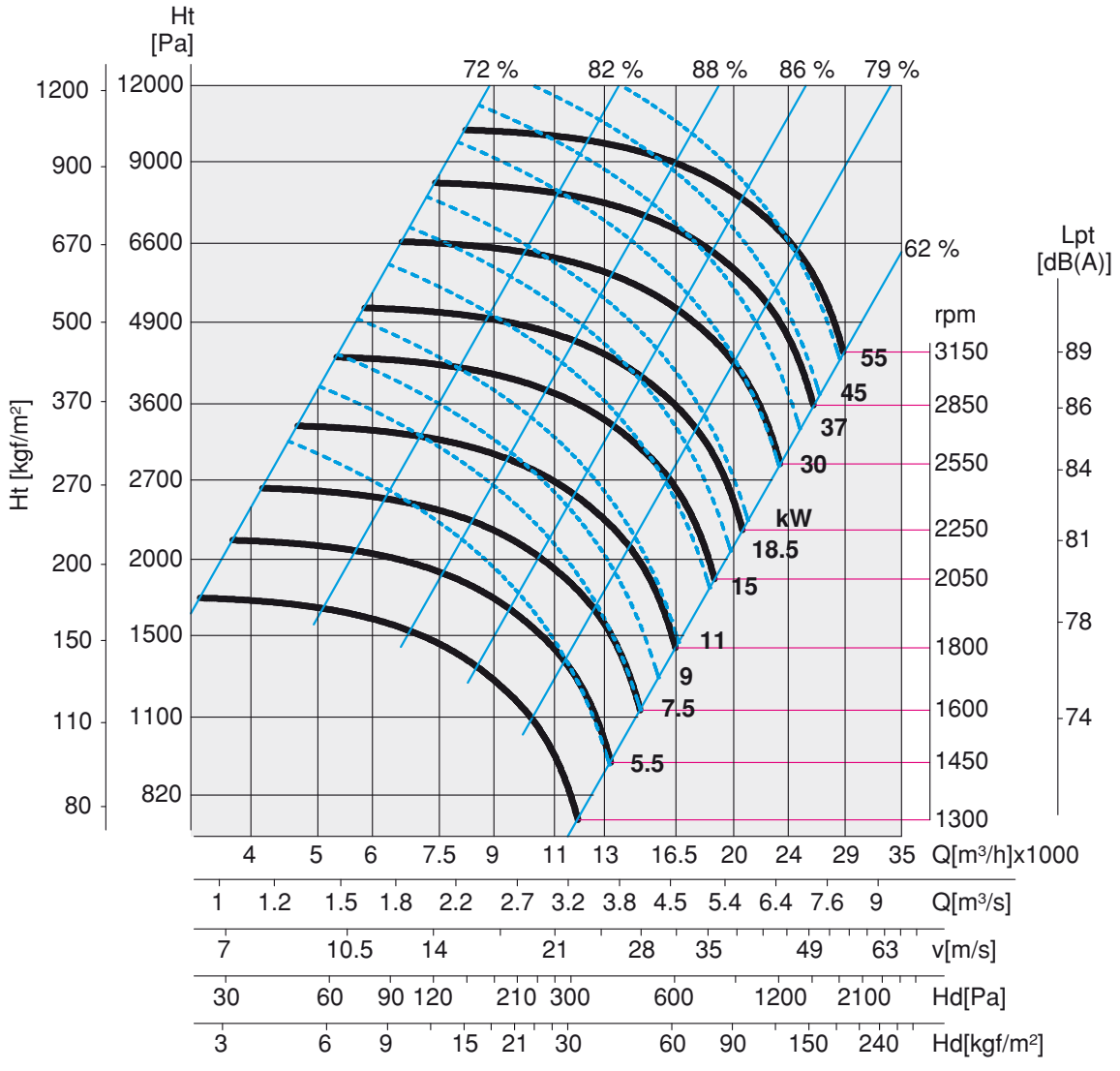
Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PQ-L	712-A	T	2	45,00	78,00	55/F	88
PQ-L	712-B	T	2	37,00	65,00	55/F	88
PQ-L	714-A	T	4	5,50	11,30	55/F	71
PQ-L	714-B	T	4	4,00	8,50	55/F	71

Limiti d'impiego - *Operational limit*

Tipo Type	Modello Model	Q max (m³/h)	Pt min (mm H_2O)	C max (m/s)	S (m²)	Pd² (kgm²)	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)



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

PQ-L 80

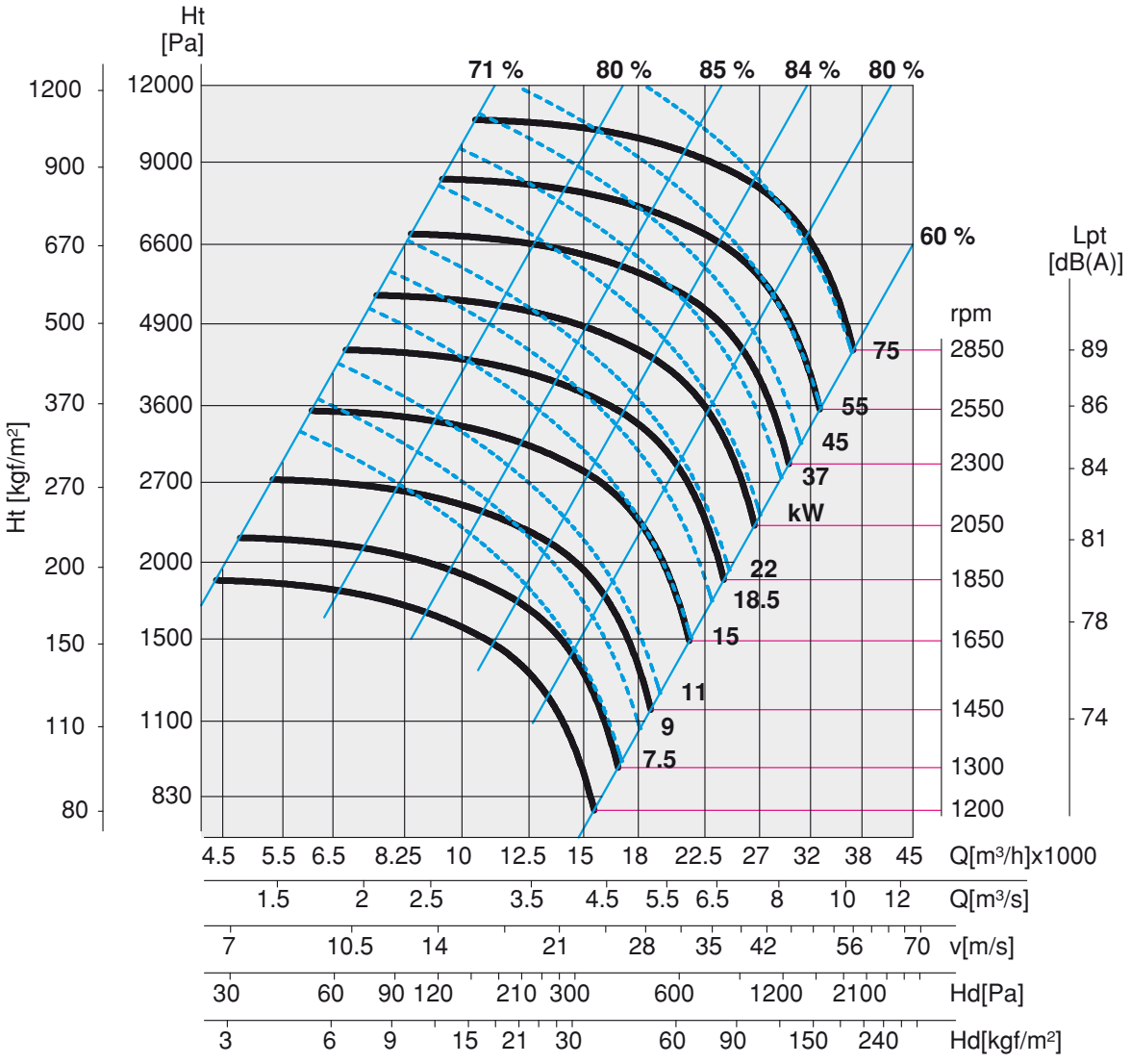
Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PQ-L	802-A	T	2	90,00	161,00	55/F	90
PQ-L	802-B	T	2	75,00	132,00	55/F	90
PQ-L	804-A	T	4	11,00	22,00	55/F	73
PQ-L	804-B	T	4	7,50	14,70	55/F	73

Limiti d'impiego - *Operational limit*

Tipo Type	Modello Model	Q max (m^3/h)	Pt min (mm H_2O)	C max (m/s)	S (m^2)	Pd² (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)



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pag. 51

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 pression level measured at 1,50 m*

PQ-L 90

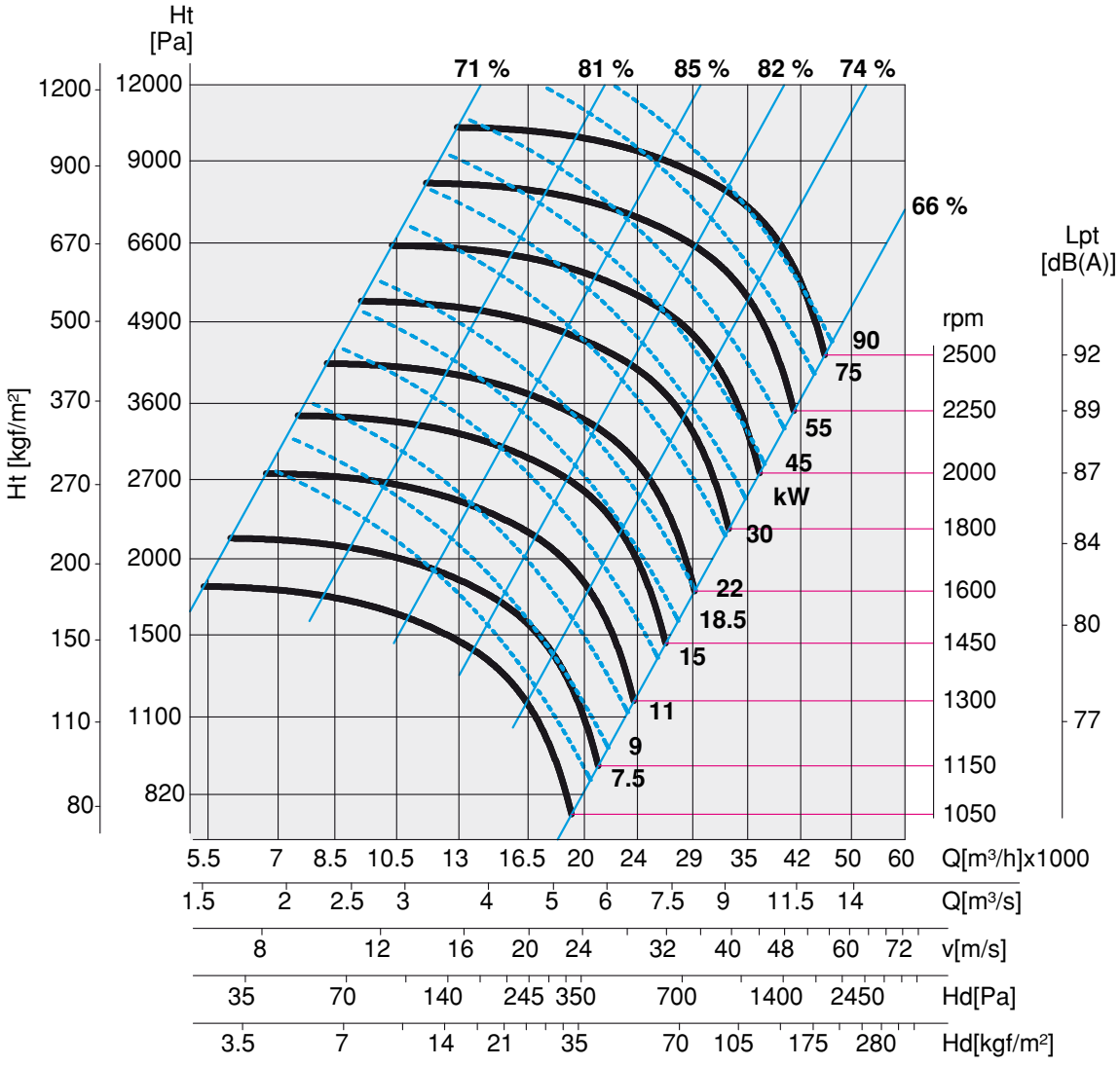
Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PQ-L	902-A	T	2	160,00	267,00	55/F	96
PQ-L	902-B	T	2	132,00	227,00	55/F	96
PQ-L	904-A	T	4	22,00	41,00	55/F	79
PQ-L	904-B	T	4	15,00	29,00	55/F	79
PQ-L	906-A	T	6	5,50	12,30	55/F	70
PQ-L	906-B	T	6	4,00	9,10	55/F	70

Limiti d'impiego - *Operational limit*

Tipo Type	Modello Model	Q max (m^3/h)	Pt min (mm H_2O)	C max (m/s)	S (m^2)	Pd² (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)



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

PQ-L 100

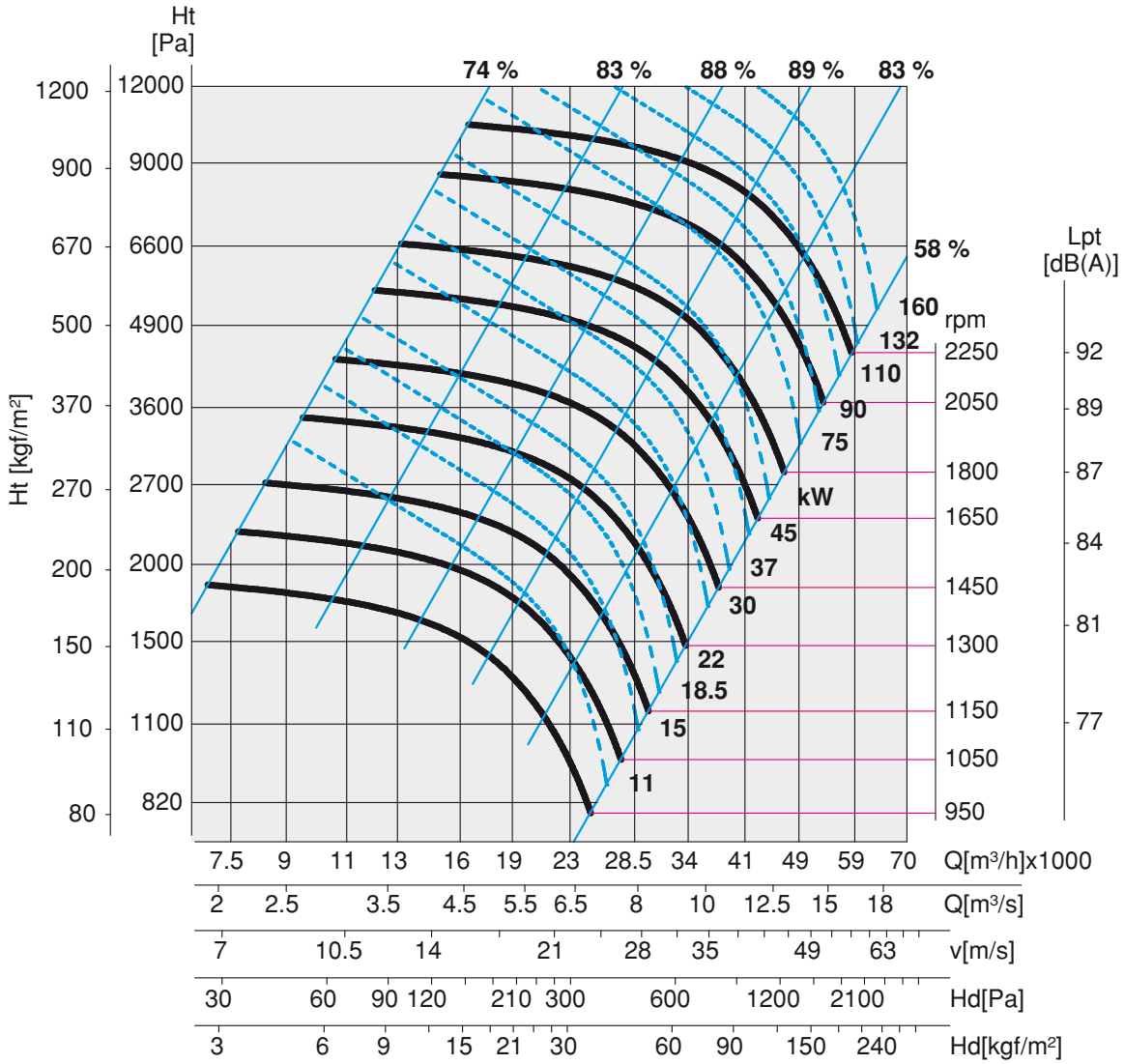
Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PQ-L	1004-A	T	4	37,00	68,00	55/F	82
PQ-L	1004-B	T	4	30,00	56,50	55/F	81
PQ-L	1006-A	T	6	11,00	22,00	55/F	72
PQ-L	1006-B	T	6	7,50	15,20	55/F	72

Limiti d'impiego - *Operational limit*

Tipo Type	Modello Model	Q max (m^3/h)	Pt min (mm H_2O)	C max (m/s)	S (m^2)	Pd² (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 pression level measured at 1,50 m*

PQ-L 112

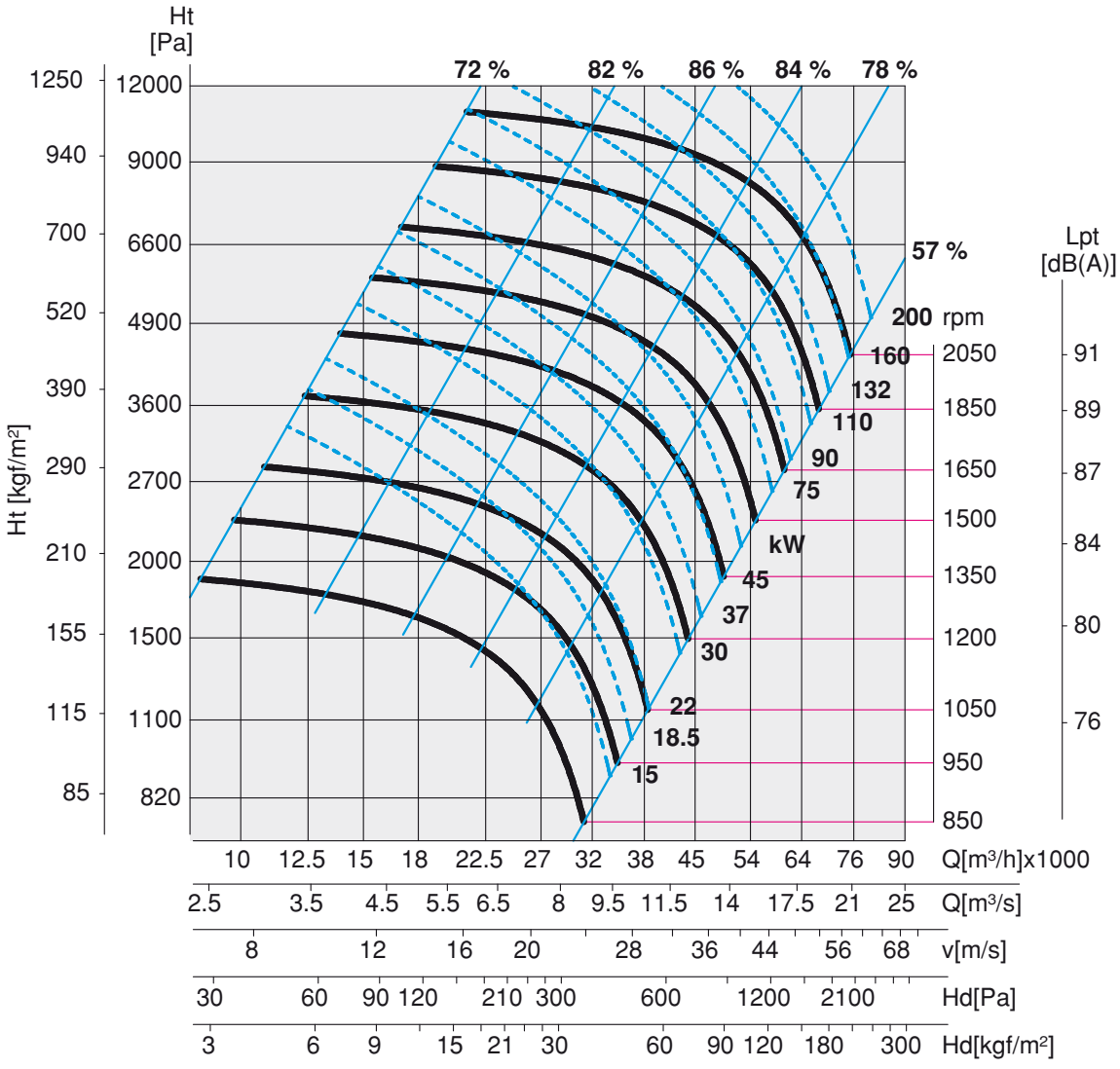
Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PQ-L	1124-A	T	4	55,00	103,00	55/F	82
PQ-L	1124-B	T	4	45,00	80,50	55/F	84
PQ-L	1126-A	T	6	18,50	36,00	55/F	75
PQ-L	1126-B	T	6	15,00	29,00	55/F	75

Limiti d'impiego - *Operational limit*

Tipo Type	Modello Model	Q max (m^3/h)	Pt min (mm H_2O)	C max (m/s)	S (m^2)	Pd² (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)



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pag. 54

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 pression level measured at 1,50 m*

PQ-L 125

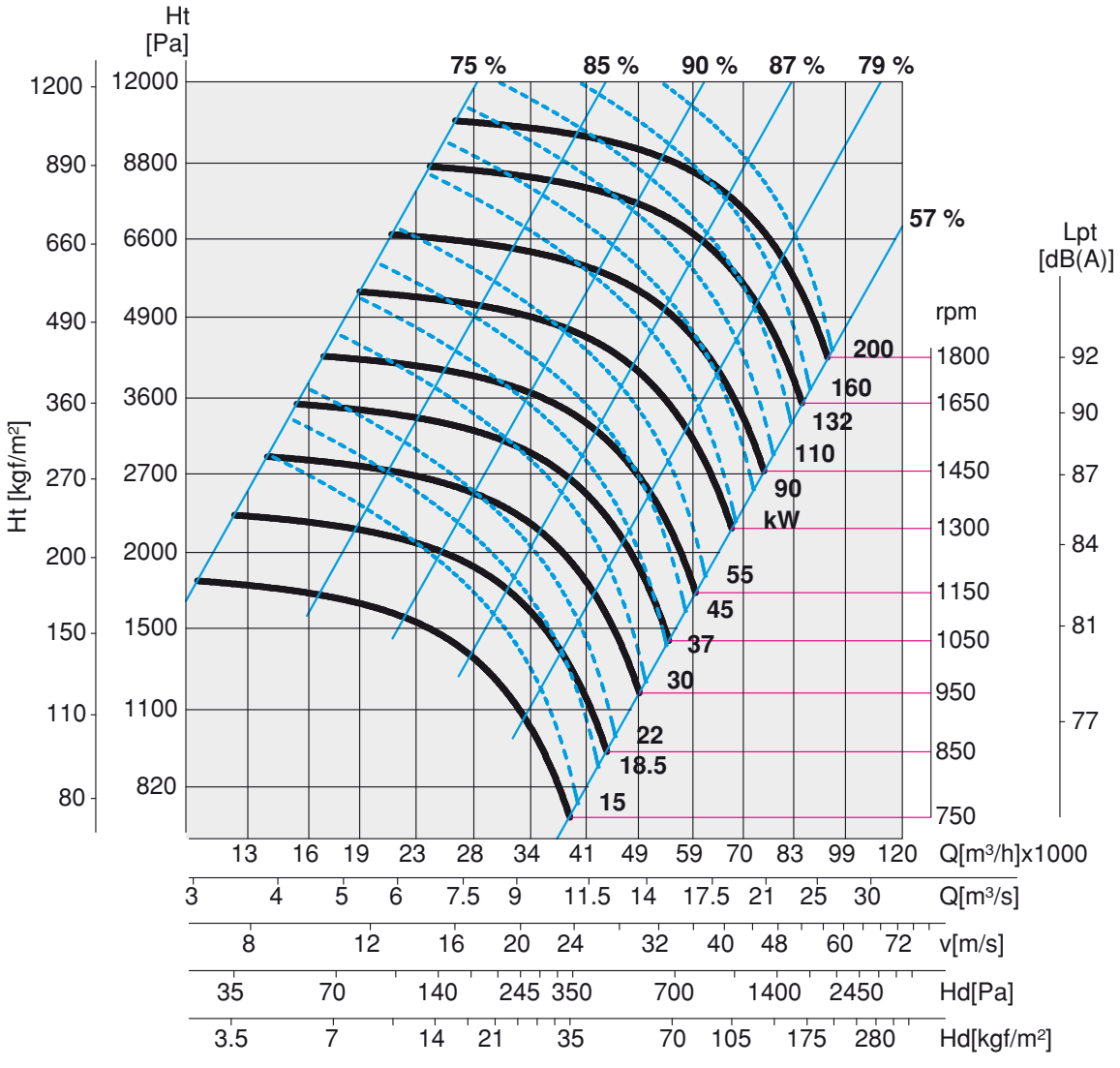
Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PQ-L	1254-A	T	4	110,00	192,00	55/F	88
PQ-L	1254-B	T	4	75,00	134,00	55/F	86
PQ-L	1256-A	T	6	30,00	56,00	55/F	79
PQ-L	1256-B	T	6	22,00	42,50	55/F	79

Limiti d'impiego - *Operational limit*

Tipo Type	Modello Model	Q max (m^3/h)	Pt min (mm H_2O)	C max (m/s)	S (m^2)	Pd² (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 pression level measured at 1,50 m*

PQ-L 140

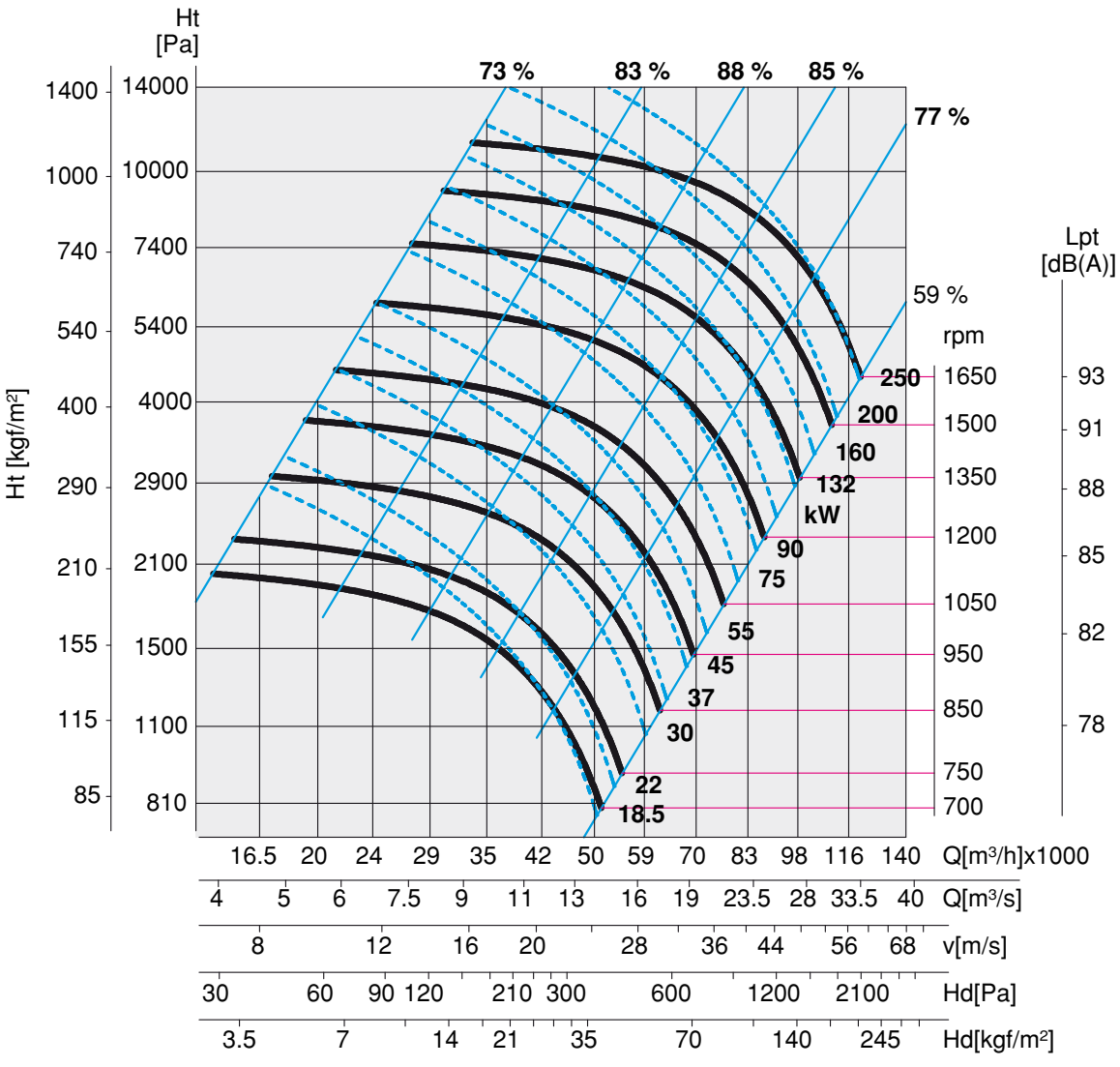
Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	Lp dB(A)
PQ-L	1404-A	T	4	160,00	274,00	55/F	88
PQ-L	1404-B	T	4	132,00	228,00	55/F	89
PQ-L	1406-A	T	6	55,00	102,00	55/F	82
PQ-L	1406-B	T	6	37,00	68,00	55/F	82

Limiti d'impiego - *Operational limit*

Tipo Type	Modello Model	Q max (m^3/h)	Pt min (mm H_2O)	C max (m/s)	S (m^2)	Pd² (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)

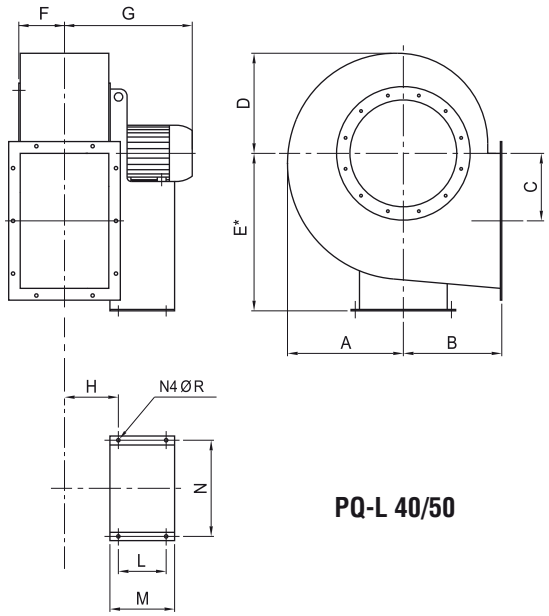


ESECUZIONE / *ARRANGEMENT* - 4

TIPO *TYPE*	A	B	C	D	E* E1 0°÷135°	E* E2 180°÷225°	E* 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*

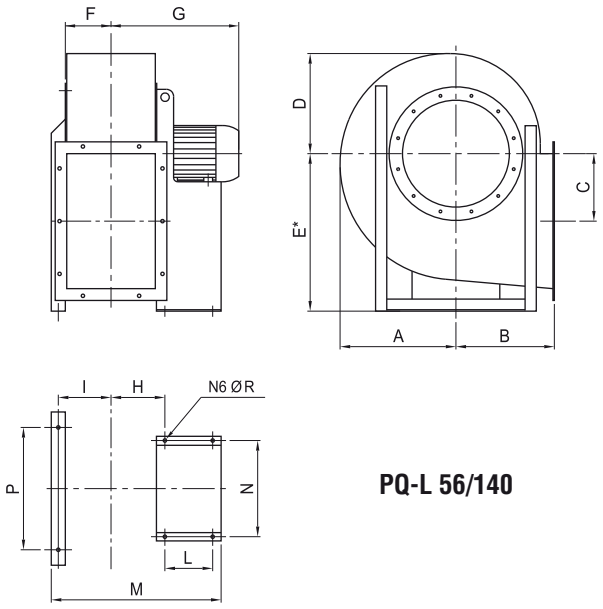
NB.: E* Vedi tabella orientamenti pag. 151 sez.6
See discharge angle schedule pag. 151 sez.6



PQ-L 40/50

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 56/140

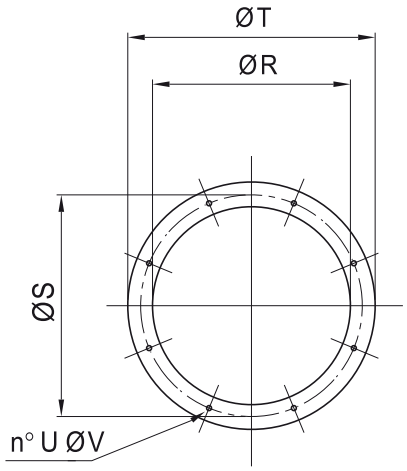
NOTE: PQ-L 40/63 angolo orientamento modificabile
PQ-L 71/140 angolo orientamento non modificabile

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

sez. 6
pag. 57

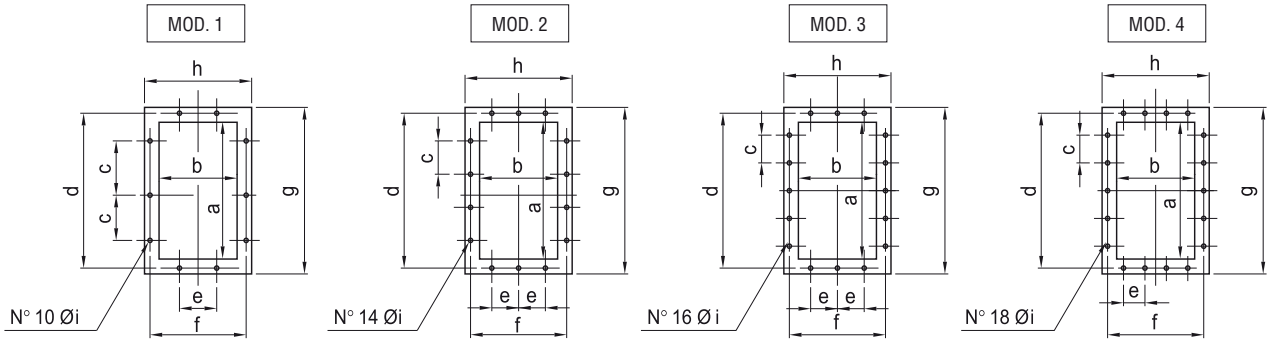
BOCCA ASPIRANTE / *INLET*

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

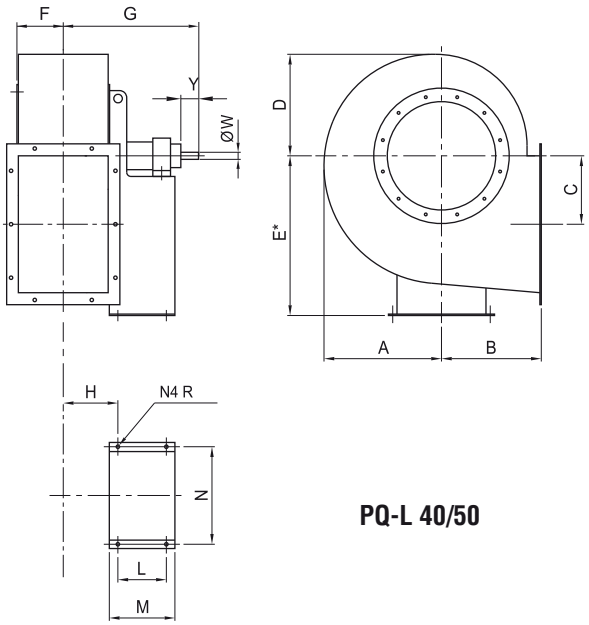
Dimensioni in mm / *Dimensions in mm*

ESECUZIONE / *ARRANGEMENT* - 1

TIPO *TYPE*	A	B	C	D	E* E1 0°+135°	E* E2 180°+225°	E* E3 270°+315°	F	G
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*

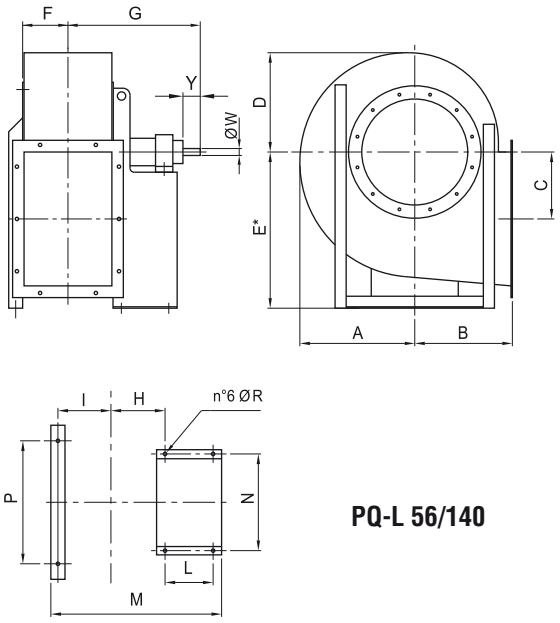
NB.: E* Vedi tabella orientamenti pag. 151 sez.6
See discharge angle schedule pag. 151 sez.6



PQ-L 40/50

TIPO *TYPE*	H	I	L	M	N	P	ØR	ALBERO/*SHAFT* ØW	ALBERO/*SHAFT* Y	kg
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

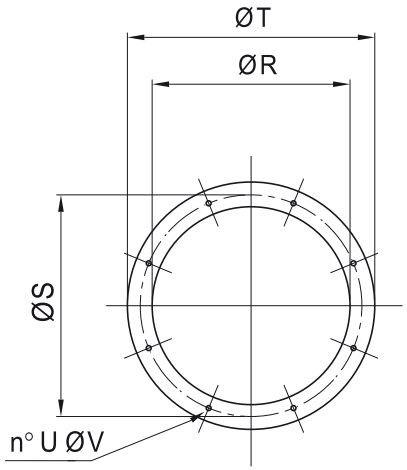
NOTE: PQ-L 40/63 angolo orientamento modificabile
PQ-L 71/140 angolo orientamento non modificabile

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

sez. 6
pag. 59

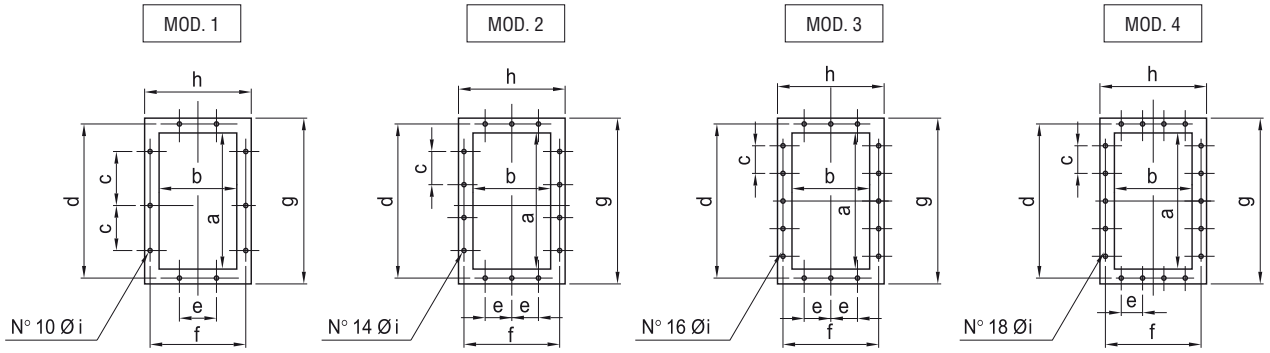
BOCCA ASPIRANTE / *INLET*

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*