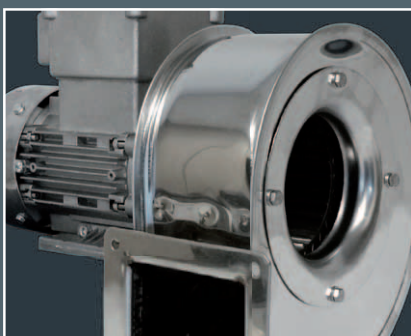
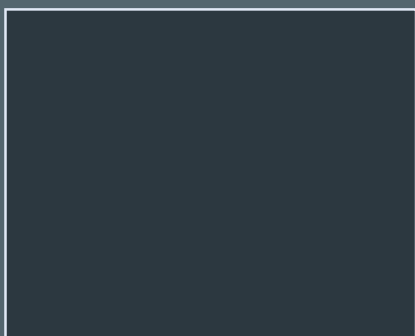
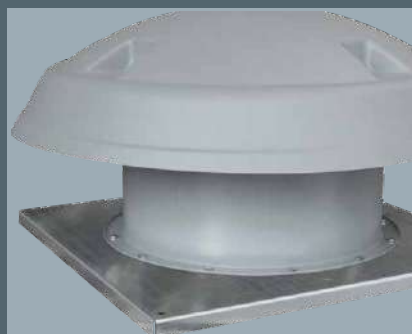




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> PR-Q HT-2V



Ventilatori centrifughi pale rovesce doppia velocità F400 - Certificati secondo la EN 12101-3

Double speed backward curved centrifugal fans F400 - Certified according to EN 12101-3



Applus⁺
F400

DESCRIZIONE GENERALE

Ventilatori centrifughi a pale rovesce adatti all'evacuazione di fumi ad alta temperatura.

La caratteristica peculiare della serie è data dalla 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.

La serie è idonea al funzionamento alla temperatura di +100°C ed è certificata CE in classe F400 dal laboratorio terzo indipendente Applus secondo la normativa EN 12101-3.

COSTRUZIONE

- Cassa a spirale con fiancate quadrangolari, realizzata in lamiera d'acciaio zincato e protetta contro gli agenti atmosferici con vernicia a polveri epossidiche.
- Girante a semplice aspirazione, con pale rovesce curve ad alto rendimento aeraulico, realizzata in lamiera d'acciaio e mozzo in acciaio zincato elettroliticamente.
- Bocche premente e aspirante realizzate secondo norma UNI EN ISO 13351
- Esecuzione 5 (accoppiamento diretto con girante a sbalzo su motore fl angiato), rotazione RD.
- Motore asincrono trifase a norme internazionali IEC 60034, IEC 60072, EMC 2004/108/CE, LVD 2006/95/CE, marcato CE, IP55, classe F. Doppia velocità mediante commutatore stella/triangolo. Alimentazione: 400V, 50Hz trifase.

Accessori

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

GENERAL DESCRIPTION

Backward curved centrifugal fans suitable for high temperature smoke extraction.

The main characteristic of the PR-Q series is the quadrangular construction, which allows to obtain four orientations (0°-90°-180°-270°) with the same fan. The dimensions are reduced tank to the absence of the motor support.

The series is suitable for running at the temperature of +100°C and CE certified to F400 by the independent notified body Applus according to EN 12101-3.

CONSTRUCTION

- Volute casing with quadrangular frame, manufactured in galvanized steel sheet protected against atmospheric agents.
- Single inlet, backward curved wheel with high efficiency, manufactured in galvanized steel sheet and steel hub.
- Inlet/outlet made according to UNI EN ISO 13351
- Execution 5 (impeller directly coupled to flanged motor), rotation RD.
- Double speed asynchronous three-phase motor manufactured according to international standards IEC 60034, IEC 60072, EMC 2004/108/CE, LVD 2006/95/CE, CE marked, IP 55, class F. Double speed by delta/star switching. Electric supply: 400V / 50 Hz three phase.

Accessories

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

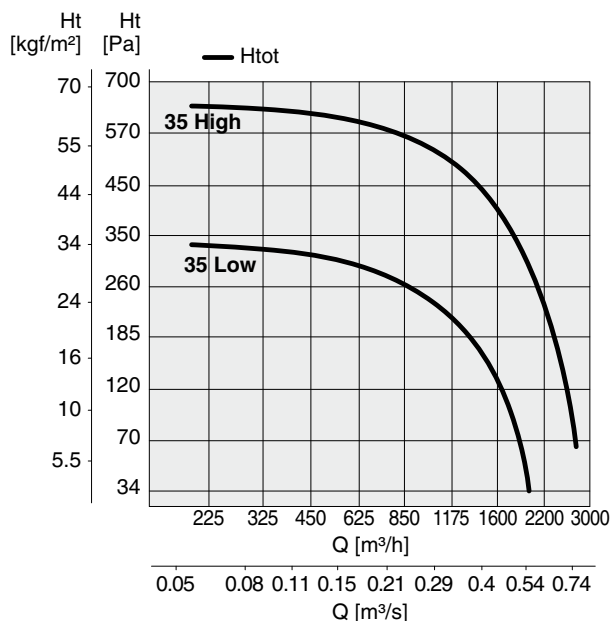
ORIENTAMENTI Discharge angles

PR-Q HT-2V

Rotazione Rotation RD				
Forma/Form	0°	90°	180°	270°

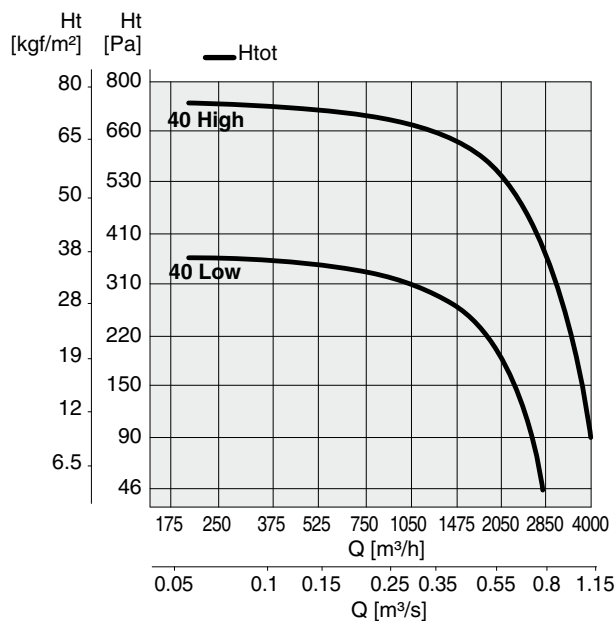
Frequenza 50Hz – Temperatura dell'aria 15°C – Pressione barometrica 760 mm Hg – Peso specifico dell'aria 1,22 Kg/m³
 Frequency 50Hz – Air temperature 15°C – Barometric pressure 760 mm Hg – Air specific weight 1,22 Kg/m³

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



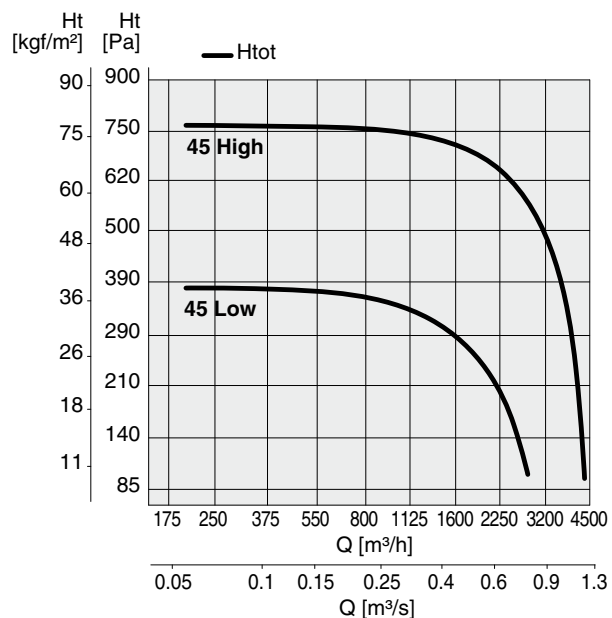
PR-Q HT-2V 35

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



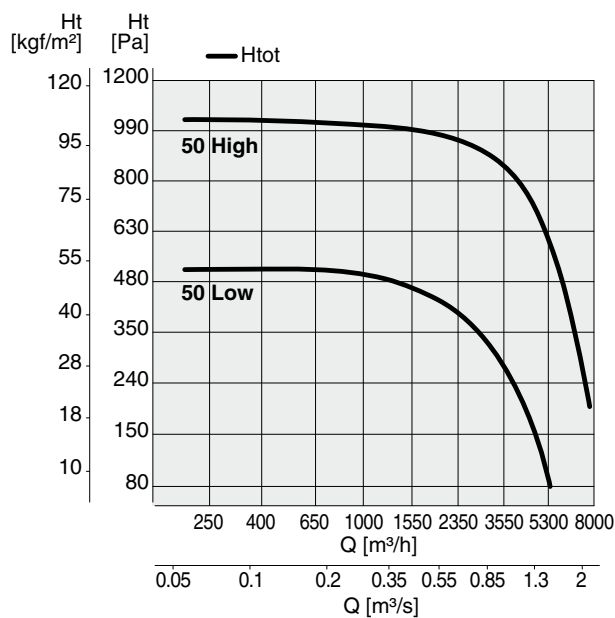
PR-Q HT-2V 40

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



PR-Q HT-2V 45

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

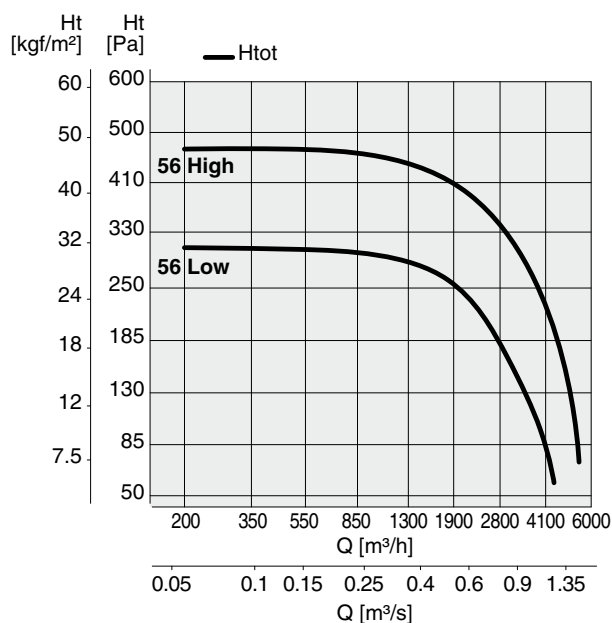


PR-Q HT-2V 50

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

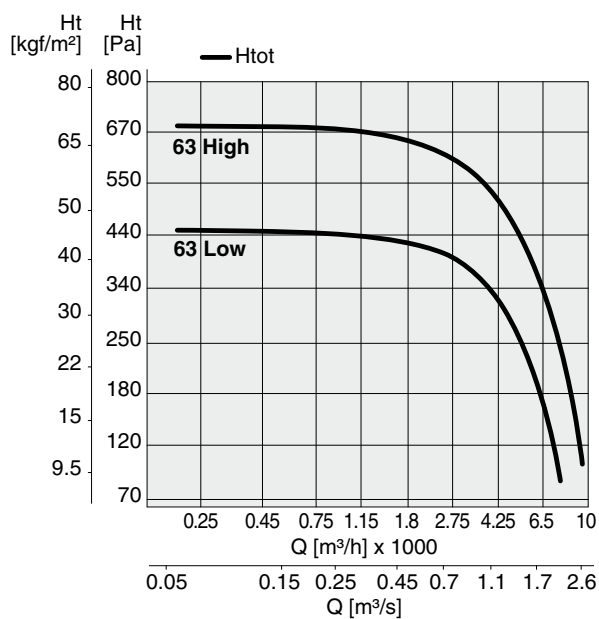
Frequenza 50Hz – Temperatura dell'aria 15°C – Pressione barometrica 760 mm Hg – Peso specifico dell'aria 1,22 Kg/m³
 Frequency 50Hz – Air temperature 15°C – Barometric pressure 760 mm Hg – Air specific weight 1,22 Kg/m³

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



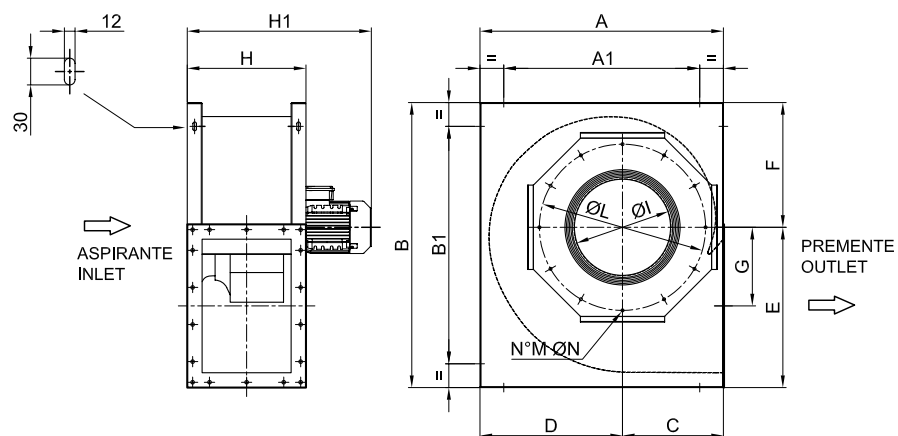
PR-Q HT-2V 56

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



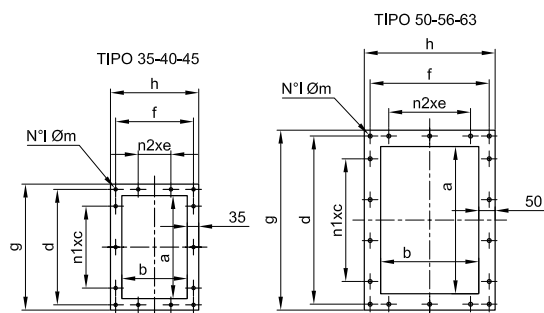
PR-Q HT-2V 63

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



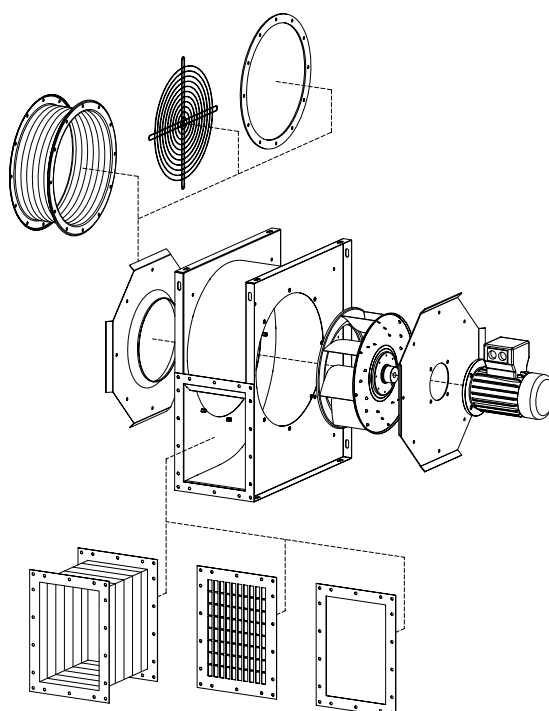
TIPO / TYPE	A	A1	B	B1	C	D	E	F	G	H	H1	ASPIRANTE / INLET				kg
												I	L	M	N	
PR-Q HT 350	620	520	650	55	295	325	370	280	177	270	450	270	450	8	M8	35
PR-Q HT 400	680	580	790	690	305	375	440	350	277	320	520	296	500	8	M8	45
PR-Q HT 450	740	640	880	780	305	435	490	390	255	320	520	296	500	8	M8	50
PR-Q HT 500	820	660	960	800	340	480	540	420	265	400	620	327	560	12	M8	75
PR-Q HT 560	890	730	1040	880	370	520	600	440	300	400	585	370	620	12	M8	80
PR-Q HT 630	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 350	315	200	2 x 125	353	1 x 100	238	385	270	14	10
PR-Q HT 400	355	250	2 x 125	393	1 x 125	288	425	320	14	10
PR-Q HT 450	400	250	2 x 125	438	1 x 125	288	470	320	14	10
PR-Q HT 500	450	300	3 x 125	514	2 x 125	364	550	400	18	12
PR-Q HT 560	500	300	3 x 125	564	2 x 125	364	600	400	18	12
PR-Q HT 630	560	355	4 x 125	624	2 x 125	419	660	455	20	12

Dimensioni in mm / Dimensions in mm



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