



PR-QP AT

Aspiratori 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



DESCRIZIONE

Gli aspiratori della serie PR-QP AT trovano la loro principale applicazione negli impianti civili e industriali di condizionamento, ventilazione, riscaldamento e filtrazione. Progettati per convogliare aria pulita o leggermente polverosa con temperature da +100°C a +200°C in servizio continuo. La caratteristica peculiare della serie PR-QP AT 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 aeraulico, 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

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

- 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

DESCRIPTION

The fans of the PR-QP AT series find their main application in commercial and industrial plants of air-conditioning, ventilation, heating and filtering; They are designed for conveying clean or slightly dusty air, in a temperature range from +100°C to +200°C in continuous. The main characteristic of the PR-QP AT 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.
- Inlet and outlet made according to UNI EN ISO 13351.
- 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.

MOTOR

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

- Inlet and outlet protection guard manufactured according to UNI 12499 norm and protected against atmospheric agents.
- Inlet/outlet flexible connectors
- Inlet/outlet counterflange

VERSIONI | VERSIONS



PR-QP HT

Versioni per l'estrazione dei fumi d'incendio, certificata F400 secondo la EN12101-3:2015
 Version for smoke extraction certified F400 according to EN12101-3:2015

PRESTAZIONI | PERFORMANCE

PR-QP AT

Le prestazioni aerauliche sono rilevate in conformità alla norma EN ISO 5801/AMCA 210 con densità dell'aria standard avente peso specifico 1,2 Kg/m³. Alimentazione 230V/1Ph/50Hz o 400V/3Ph/50Hz. Air performances measured according to EN ISO 5801 / AMCA 210 standard with air density with 1.2 kg/m³ specific weight. Power supply 230V/1Ph/50Hz or 400V/3Ph/50Hz.

Lp Livello di pressione sonora rilevato in condizioni di campo libero, propagazione semisferica, categoria di misura C a norma EN ISO 13349, nel punto di massimo rendimento, alla distanza di 1,5 metri e si presenta solo per fini comparativi. Sound pressure level measured in free field conditions, propagation hemispherical, measurement category C in accordance with EN ISO 13349, at the point of maximum efficiency, at a distance of 1,5 meters (for comparative purposes only).

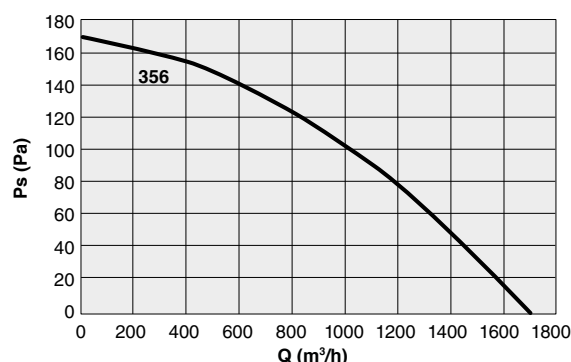
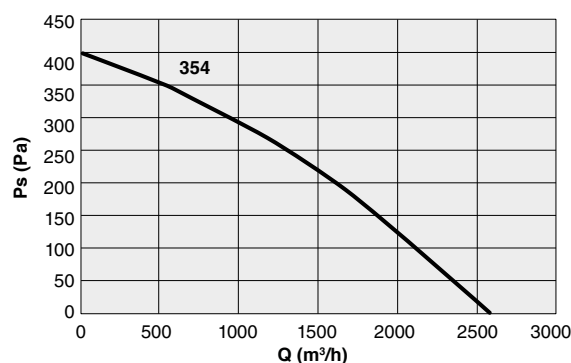
Lw Livello di potenza sonora ottenuto secondo norma ISO 3746. Tolleranza +/- 3 dB(A). Sound power level according to ISO3746. Tolerance +/- 3 dB(A)

PR-QP AT 350

Code	Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	IE3	Mot. (Gr)
1RQ3510	PR-QP AT	354	T	4	0,18	0,65	55/F	-	63
1RQ3513	PR-QP AT	356	T	6	0,12	0,55	55/F	-	63

LIVELLI SONORI | SOUND LEVELS dB(A)

Hz		63	125	250	500	1000	2000	4000	8000	TOT
354T	Lw	54	69	71	75	77	73	65	55	81
	Lp	42	57	59	63	65	61	53	43	69
356T	Lw	46	61	63	67	69	65	57	47	73
	Lp	34	49	51	55	57	53	45	35	61

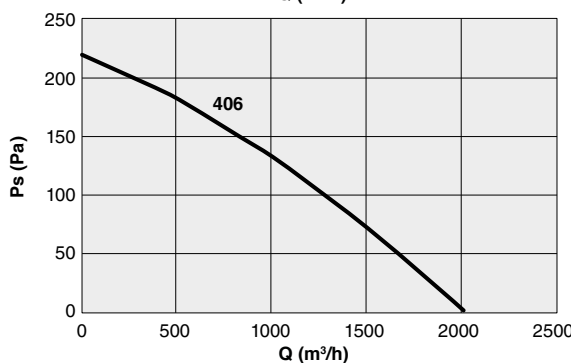
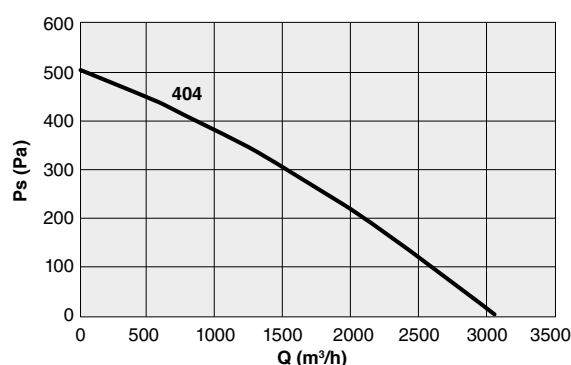


PR-QP AT 400

Code	Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	IE3	Mot. (Gr)
1RQ4010	PR-QP AT	404	T	4	0,25	0,85	55/F	-	71
1RQ4011		406	T	6	0,18	0,75	55/F	-	71

LIVELLI SONORI | SOUND LEVELS dB(A)

Hz		63	125	250	500	1000	2000	4000	8000	TOT
404T	Lw	56	71	73	77	79	75	67	57	83
	Lp	44	59	61	65	67	63	55	45	71
406T	Lw	48	63	65	69	71	67	59	49	75
	Lp	36	51	53	57	59	55	47	37	63



sez.
1.2

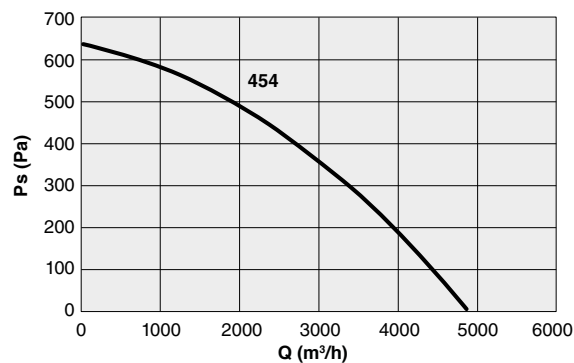
PR-QP AT aspiratori | fans

PR-QP AT 450

Code	Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	IE3	Mot. (Gr)
1RQ4510	PR-QP AT	454	T	4	0,55	1,6	55/F	-	80

LIVELLI SONORI | SOUND LEVELS dB(A)

Hz		63	125	250	500	1000	2000	4000	8000	TOT
454T	Lw	58	73	76	79	81	77	69	59	85
	Lp	46	61	64	67	69	65	57	47	73

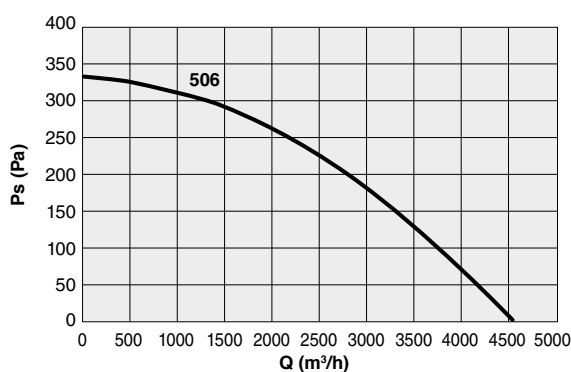
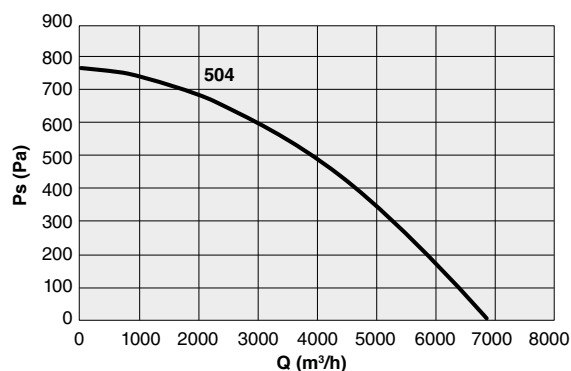


PR-QP AT 500

Code	Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	IE3	Mot. (Gr)
1RQ5010	PR-QP AT	504	T	4	0,75	2,1	55/F	✓	80
1RQ5011		506			0,37	1,4	55/F	-	80

LIVELLI SONORI | SOUND LEVELS dB(A)

Hz		63	125	250	500	1000	2000	4000	8000	TOT
504T	Lw	60	75	78	81	83	79	71	61	87
	Lp	48	63	66	69	71	67	59	49	75
506T	Lw	51	66	69	72	74	70	62	52	78
	Lp	39	54	57	60	62	58	50	40	66

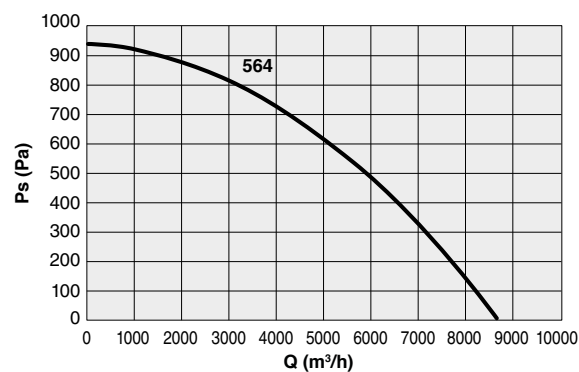


PR-QP AT 560

Code	Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	IE3	Mot. (Gr)
1RQ5610	PR-QP AT	564	T	4	1,5	3,3	55/F	-	90

LIVELLI SONORI | SOUND LEVELS dB(A)

Hz	63	125	250	500	1000	2000	4000	8000	TOT
564T	Lw	62	77	80	83	85	81	73	89
	Lp	50	65	68	71	73	69	61	77

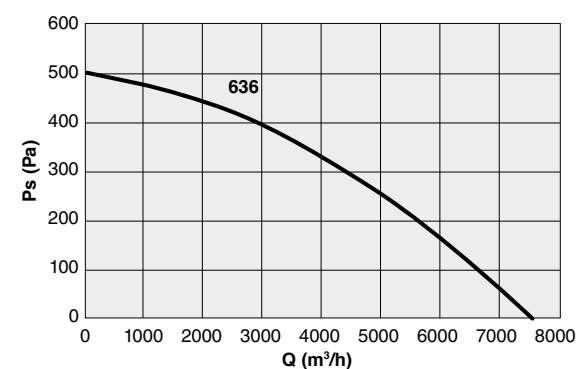
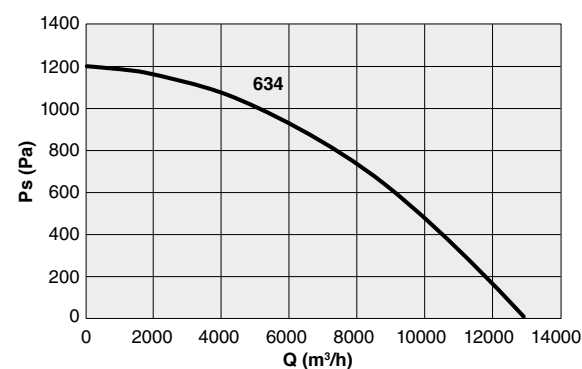


PR-QP AT 630

Code	Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	IE3	Mot. (Gr)
1RQ6011	PR-QP AT	634	T	4	3	6,3	55/F	✓	100
1RQ6010		636			0,55	1,8	55/F	-	80

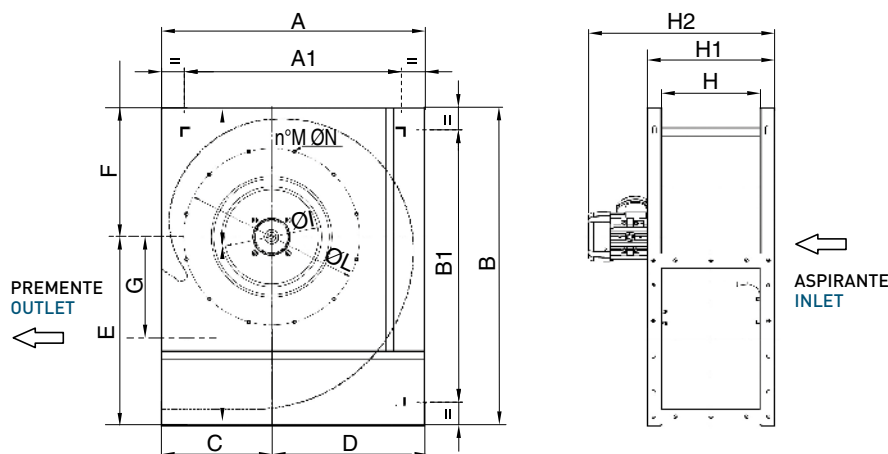
LIVELLI SONORI | SOUND LEVELS dB(A)

Hz	63	125	250	500	1000	2000	4000	8000	TOT
634T	Lw	63	72	78	81	83	79	71	87
	Lp	51	60	66	69	71	67	59	75
636T	Lw	72	81	87	90	92	88	70	96
	Lp	60	69	75	78	80	76	68	84



DIMENSIONI | DIMENSIONS (mm)

PR-QP AT

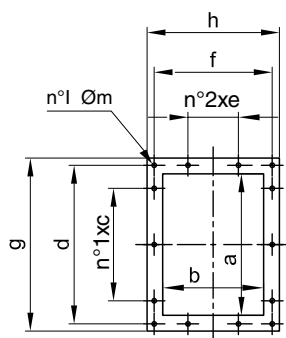


PR-QP AT

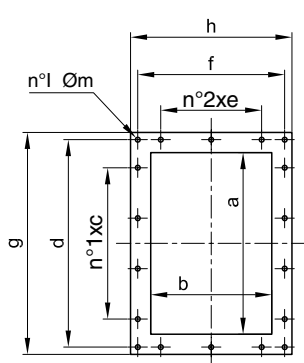
TIPO TYPE	A	A1	B	B1	C	D	E	F	G	H	H1	H2	ASPIRANTE INLET				Kg
													ØI	ØL	M	ØN	
PR-QP AT 350	620	520	720	620	270	350	428	292	226	225	295	460	215	395	8	M8	37
PR-QP AT 400	690	590	810	710	300	390	480	330	258	239	329	510	243	450	8	M8	47
PR-QP AT 450	770	670	900	800	330	440	535	365	289	272	362	565	275	500	8	M8	60
PR-QP AT 500	850	690	1000	840	365	485	600	400	318	302	402	600	309	560	12	M8	79
PR-QP AT 560	930	770	1120	960	390	540	665	455	358	347	447	660	343	620	12	M8	100
PR-QP AT 630	1030	870	1250	1090	435	595	740	510	404	385	505	765	384	690	12	M8	140

Pesi indicativi | Indicative weights

TIPO | TYPE 30-40-45



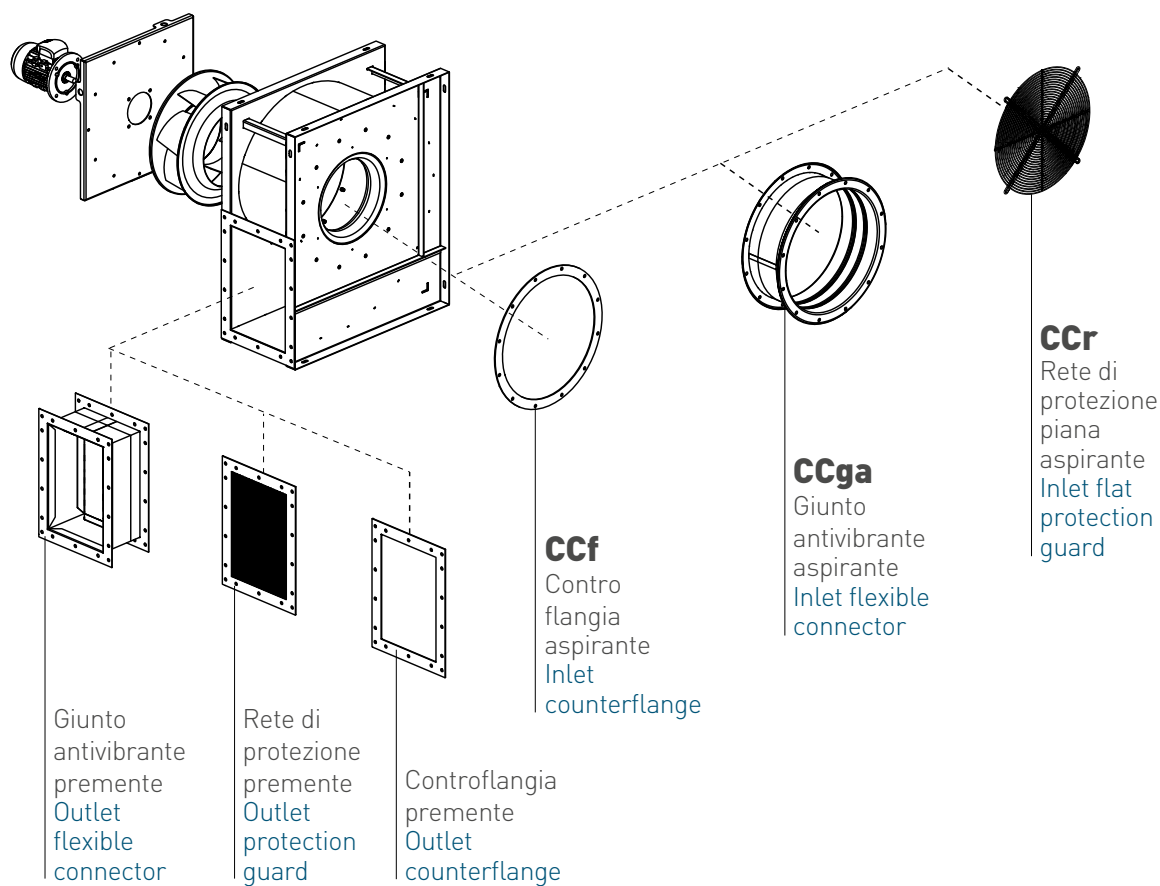
TIPO | TYPE 50-56-63



TIPO TYPE	PREMENTE OUTLET									
	a	b	n1xc	d	n2xe	f	g	h	l	Øm
PR-QP AT 350	320	225	125	366	125	273	390	295	14	12
PR-QP AT 400	355	239	125	405	125	300	430	329	14	12
PR-QP AT 450	400	272	125	448	125	332	478	362	18	12
PR-QP AT 500	450	302	125	497	125	366	550	402	18	12
PR-QP AT 560	500	347	125	551	125	405	600	447	18	12
PR-QP AT 630	560	385	160	629	160	464	660	505	18	14

ORIENTAMENTI | DISCHARGE ANGLES

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


 sez.
1.2

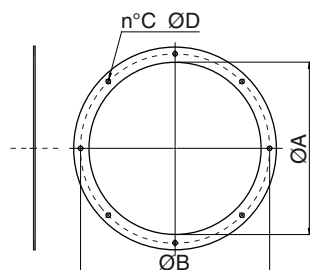
accessori | accessories

CCf | CONTROFLANGIA ASPIRANTE | INLET COUNTER FLANGE

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 EUROVENT standard, compatible with fan flange.
It is used for easier connection between the CC fan and the duct.



Code	Tipo Type	Modello Model	ØA	ØB	C	ØF	kg
5B01035	CCf 35	PR-QP AT 35	356	395	8	10	1,5
5B01040	CCf 40	PR-QP AT 40	406	450	8	12	1,7
5B01045	CCf 45	PR-QP AT 45	456	500	8	12	1,9
5B01050	CCf 50	PR-QP AT 50	508	560	12	12	2,1
5B01056	CCf 56	PR-QP AT 56	568	620	12	12	2,4
5B01063	CCf 63	PR-QP AT 63	640	690	12	12	2,7

Dimensioni in mm | Dimensions in mm

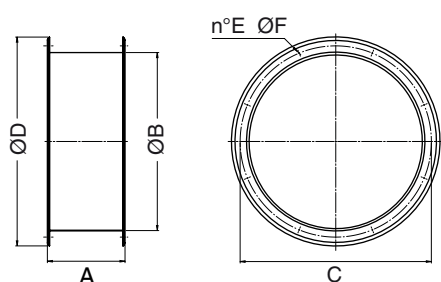
**CCga** | GIUNTO ANTIVIBRANTE IN ASPIRAZIONE | INLET FLEXIBLE CONNECTOR

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. Adatto all'utilizzo ad alte temperature. Parti in lamiera verniciate a polveri epossipoliestiriche.

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. Suitable for high temperature working. Components in steel sheet protected against atmospheric agents by epoxy paint.

Code	Tipo Type	Modello Model	A	ØB	ØC	ØD	E	ØF	kg
1SU5350	CCga 35	PR-QP AT 35	200	405	450	496	8	12	4,6
1SU5400	CCga 40	PR-QP AT 40	200	455	500	546	8	12	5,2
1SU5450	CCga 45	PR-QP AT 45	200	455	500	546	8	12	5,2
1SU5500	CCga 50	PR-QP AT 50	200	505	560	598	12	12	5,7
1SU5560	CCga 56	PR-QP AT 56	200	565	620	658	12	12	6,8
1SU5630	CCga 63	PR-QP AT 63	200	635	690	730	12	12	7,6

Dimensioni in mm | Dimensions in mm

**CCr** | RETE PROTEZIONE BOCCA ASPIRANTE | INLET PROTECTION GUARD

Salvaguarda dal contatto accidentale con le parti in movimento del ventilatore. Realizzata in filo d'acciaio e protetta contro gli agenti atmosferici.

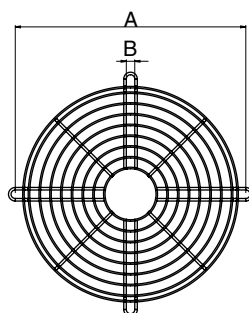
CCr: versione piana (per cassa lunga e cassa corta lato girante),

It prevents from casual contact with moving parts of the fan. Manufactured in steel rod and protected against atmospheric agents.

CCr: flat version (for long case and short case on impeller side).

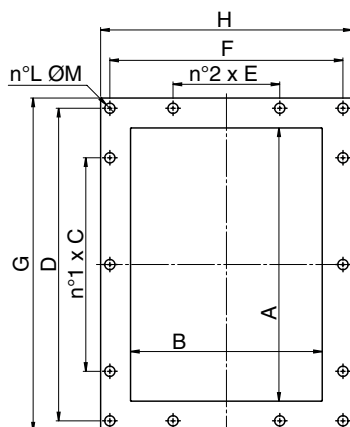
Code CCr	Tipo Type	Modello Model	ØA	B	kg
5RE9036	CCr 35	PR-QP AT 35	418	10	0,6
5RE9041	CCr 40	PR-QP AT 40	462	10	0,8
5RE9046	CCr 45	PR-QP AT 45	512	10	1
5RE9051	CCr 50	PR-QP AT 50	560	10	1,4
5RE9057	CCr 56	PR-QP AT 56	620	10	1,7
5RE9064	CCr 63	PR-QP AT 63	700	10	2,1

Dimensioni in mm | Dimensions in mm





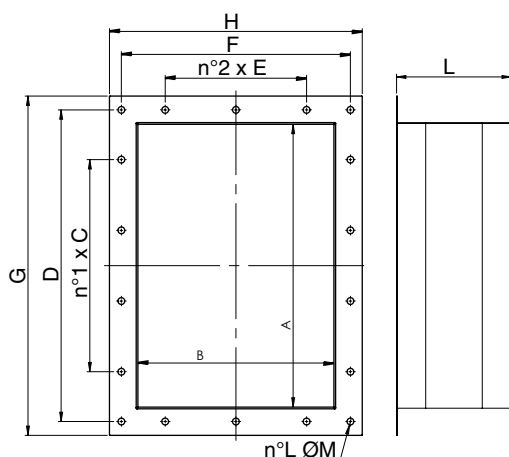
CONTROFLANGIA PREMENTE | OUTLET CONNECTOR FLANGE



Code	Tipo Type	A	B	n1xC	D	n2xE	F	G	H	L	ØM	Sp.	Kg
5B01384	35	320	225	125	366	125	273	390	295	14	12	30/10	1
5B01385	40	355	239	125	405	125	300	430	329	14	12	30/10	1,3
5B01386	45	400	272	125	448	125	332	478	362	18	12	30/10	1,5
5B01387	50	450	302	125	497	125	366	550	402	18	12	30/10	2
5B01388	56	500	347	125	551	125	405	600	447	18	12	30/10	2,2
5B01389	63	560	385	160	629	160	464	660	505	18	14	30/10	2,7

Dimensioni in mm | Dimensions in mm

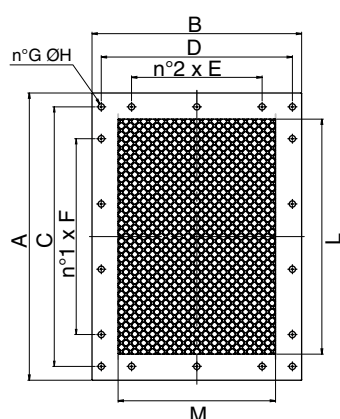
GIUNTO ANTIVIBRANTE PREMENTE | OUTLET GUARD



Code	Tipo Type	A	B	n1xC	D	n2xE	F	G	H	L	ØM	ØN	Kg
1SU1070	35	320	225	125	366	125	273	390	295	200	14	12	1,9
1SU1071	40	355	239	125	405	125	300	430	329	200	14	12	2,3
1SU1072	45	400	272	125	448	125	332	478	362	200	18	12	2,6
1SU1073	50	450	302	125	497	125	366	550	402	200	18	12	3,6
1SU1074	56	500	347	125	551	125	405	600	447	200	18	12	4
1SU1075	63	560	385	160	629	160	464	660	505	200	18	14	4,8

Dimensioni in mm | Dimensions in mm

RETE PROTEZIONE BOCCA PREMENTE | OUTLET PROTECTION GUARD



Code	Tipo Type	A	B	C	D	n2xE	n2xF	G	H	L	ØM	Sp.	Kg
5RE7736	35	390	295	366	273	3x125	2x125	14	12	320	225	30/10	1,5
5RE7741	40	430	329	405	300	3x125	2x125	14	12	355	239	30/10	1,9
5RE7746	45	478	362	448	332	4x125	3x125	18	12	400	272	30/10	2,2
5RE7752	50	550	402	497	366	4x125	3x125	18	12	450	302	30/10	2,8
5RE7757	56	600	447	551	405	4x125	3x125	18	12	500	347	30/10	3,2
5RE7801	63	660	505	629	464	3x160	3x160	18	14	560	385	30/10	3,9

Dimensioni in mm | Dimensions in mm