



QCM

Aspiratori assiali a telaio quadro Plate mounted axial fans



ErP 2009/125/CE



UE 327/2011

QCM 200 - 250 - 314 - 350 - 400

I modelli non rientrano nel campo di applicazione della Direttiva ErP 2009/125/CE e del Regolamento UE 327/2011

QCM 312 - 450 - 500 - 560 - 630 - 710

Disponibili solo per i mercati extra UE (ad eccezione dei modelli 508 e 568)

QCM 200 - 250 - 314 - 350 - 400

The models are not affected by the ErP Directive 2009/125/CE and by the UE Regulation 327/2011

QCM 312 - 450 - 500 - 560 - 630 - 710

Available only for extra-UE markets (except models 508 and 568)

A RICHIESTA UPON REQUEST

- Girante con pale a profilo alare in lega d'alluminio
- Flusso dell'aria da girante a motore
- Versioni a 60Hz.
- Impeller with airfoil blades in die-cast aluminium alloy.
- Airflow from impeller to motor
- 60 Hz versions.

VERSIONI | VERSIONS



QCM ATEX

Versione antideflagrante secondo la Direttiva 2014/34/UE
Explosion-proof version according to Directive 2014/34/UE

DESCRIZIONE

Gli aspiratori della serie QCM sono adatti per la ventilazione con fissaggio a parete o su pannelli nelle più svariate applicazioni civili, industriali e commerciali. La serie è costituita da 10 modelli con diametro della girante da 200 a 700 mm (i modelli dal 450 al 710 sono disponibili solo per i mercati extra UE). L'impiego della serie QCM è previsto con aria pulita nell'intervallo di temperatura da -15°C +50°C. Il boccaglio ottimizzato in aspirazione riduce il rumore e aumenta l'efficienza aeraulica.

COSTRUZIONE

- Telaio portante in lamiera d'acciaio zincata stampato e imbutito, con raggio in aspirazione. Modelli 63 e 71 telaio portante in lamiera d'acciaio stampato e imbutito verniciato a polveri epossipoliesteriche.
- Girante con pale a profilo alare in tecnopolimero o fusione di lega d'alluminio e mozzo in fusione di lega d'alluminio. Angolo di calettamento variabile da fermo tramite tasselli di regolazione. Bilanciata secondo ISO 1940.
- Esecuzione 5 (accoppiamento diretto con girante a sbalzo).
- Flusso dell'aria da motore a girante.
- Rete di protezione e supporto motore in tondino d'acciaio trafilato verniciato a polveri epossidiche. Realizzata a norme EN ISO 12499.

MOTORE

- QCM 200 e 254: motori IP 44, classe B.
- QCM 252, 310/710: motore asincrono trifase o monofase a norme IEC 60034, IEC 60072, EMC 2014/30/UE e LVD 2014/35/UE e marcato CE, IP55, classe F.
- Idonei ad un servizio S1 (funzionamento continuo a carico costante).

ACCESSORI

- S - Serranda a gravità
- D - Distanziatore
- R - Rete di protezione.

DESCRIPTION

The QCM series are axial fans suitable for application on wall or panel in residential, commercial and industrial building. The series consists of 10 models with impeller diameter from 200 to 700 mm (models from 450 to 710 are available only for extra-UE markets). The use of the QCM series is foreseen for clean air in the temperature range -15°C +50°C.

The optimized inlet cone reduces noise level and increases the efficiency.

CONSTRUCTION

- Supporting frame in drawn galvanized steel sheet, with radius inlet cone. Models 63 and 71 supporting frame in drawn steel sheet, with radius inlet cone, epoxy coated.
- Axial impeller with aerofoil profile blades in polymer or die-cast aluminium and die-cast aluminium hub. Variable pitch angle in still position with setting means. Balanced according to ISO 1940.
- Execution 5 (impeller directly coupled to motor shaft).
- Air flow from motor to impeller.
- Inlet protection guard and motor support in steel rod, epoxy coated. According to EN ISO 12499 norm.

MOTOR

- QCM 200 e 254: motors IP 44, class B.
- QCM 252, 310/710: Asynchronous three-phase or single-phase motors according to standards IEC 60034, IEC 60072, EMC 2014/30/UE and LVD 2014/35/UE, CE marked, IP 55, class F.
- All suitable for service S1 (continuous running at constant load).

ACCESSORIES

- S - Gravity shutter
- D - Spacer
- R - Protection guard.

SEZ
1.2

PRESTAZIONI | PERFORMANCE

QCM

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. Il livello di potenza sonora è ottenuto secondo la norma EN ISO 3746. Installazione A. Alimentazione 230V/1Ph/50Hz o 400V/3Ph/50Hz.

Air performances are measured according to EN ISO 5801 / AMCA 210 standard with air density with 1.2 kg/m³ specific weight. The sound power level is obtained according to EN ISO 3746. Installation A. Power supply 230V/1Ph/50Hz or 400V/3Ph/50Hz.

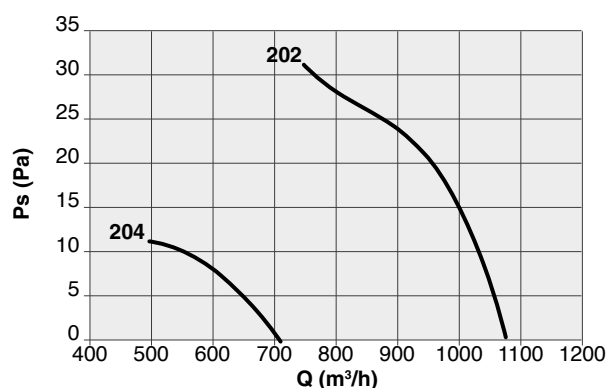
U - M/T	P	Pm (kW)	In (A)	IP/CL	Mot. (Gr)	Lp/Lw (dBA)	Ps (Pa)	Q (m³/h)
Alimentazione elettrica Monofase/Trifase Power supply Single/Three-phase	N° di poli motore N° of motor poles (RPM: 2p-3000 4p-1500 6p-1000 8p-750)	Potenza nominale motore Motor power rating	Corrente nominale a pieno carico Full load current	Grado di protezione motore/Classe di isolamento Motor protection grade/Insulation class	Grandezza motore Motor size	Livello di pressione e potenza sonora Sound pressure and volume levels	Pressione statica Static pressure	Portata volumetrica Airflow volume

QCM 200

Code	Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	IE3	Mot. (Gr)
1QC2080	QCM	202	M	2	0.09	1.00	44/B	-	5032
1QC2081			T	2	0.05	0.30	44/B	-	5032
1QC2082	QCM	204	M	4	0.09	1.10	44/B	-	5034
1QC2083			T	4	0.03	0.20	44/B	-	5034

LIVELLI SONORI | SOUND LEVELS dB(A)

Hz	63	125	250	500	1000	2000	4000	8000	TOT
202	Lw	49.8	57.8	61.8	59.8	65.1	64.8	58.8	70.1
	Lp	32.3	40.3	44.3	42.3	47.6	47.3	41.3	52.6
204	Lw	34.7	42.7	46.7	44.7	50	49.7	43.7	55
	Lp	17.2	25.2	29.2	27.2	32.5	32.2	26.2	37.5

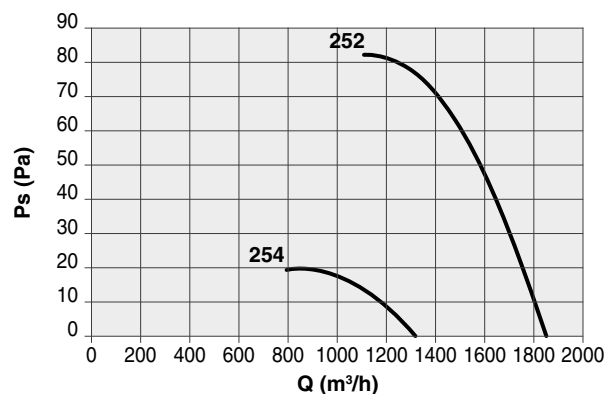


QCM 250

Code	Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	IE3	Mot. (Gr)
1QC2610	QCM	252	M	2	0.12	1.10	55/F	-	56
1QC2611			T	2	0.12	0.40	55/F	-	56
1QC2612	QCM	254	M	4	0.09	1.10	44/B	-	5034
1QC2613			T	4	0.09	0.20	44/B	-	5034

LIVELLI SONORI | SOUND LEVELS dB(A)

Hz	63	125	250	500	1000	2000	4000	8000	TOT
252	Lw	-	65.5	72.1	77.3	78.4	72.3	67.3	84.7
	Lp	-	48	54.6	59.8	60.9	54.8	49.8	67.2
254	Lw	-	53.4	60	65.2	66.3	60.3	55.2	69.6
	Lp	-	32.9	39.5	44.7	45.8	39.7	34.7	52.1



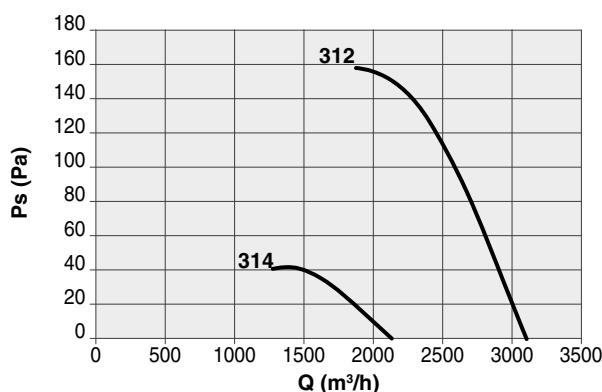
QCM 300

Code	Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	IE3	Mot. (Gr)
1QC3230 (I)	QCM	312	M	2	0.25	1.80	55/F	-	63
1QC3231 (I)			T	2	0.25	0.65	55/F	-	63
1QC3232	QCM	314	M	4	0.09	1.10	55/F	-	56
1QC3233			T	4	0.09	0.35	55/F	-	56

(I) Modelli disponibili solo per i mercati extra UE
Models available only for extra UE markets

LIVELLI SONORI | SOUND LEVELS dB(A)

Hz	63	125	250	500	1000	2000	4000	8000	TOT
312	Lw	62.8	66.8	74.8	75.8	78.8	79.8	74.8	84.5
	Lp	45.3	49.3	57.3	58.3	61.3	62.3	57.3	67
314	Lw	47.7	51.7	59.7	60.7	63.7	64.7	59.7	69.4
	Lp	30.2	34.2	42.2	43.2	46.2	47.2	42.2	51.9



PRESTAZIONI | PERFORMANCE

QCM

U - M/T

Alimentazione elettrica
Monofase/Trifase
Power supply
Single/Three-phase

P

N° di poli motore
N° of motor poles
(RPM: 2p=3000 4p=1500
6p=1000 8p=750)

Pm (kW)

Potenza
nominale motore
Motor power rating

In (A)

Corrente nominale
a pieno carico
Full load current

IP/CL

Grado di protezione
motore/Classe di isolamento
Motor protection
grade/Insulation class

Mot. (Gr)

Grandezza
motore
Motor size

Lp/Lw (dBA)

Livello di pressione
e potenza sonora
Sound pressure
and volume levels

Ps (Pa)

Pressione
statica
Static pressure

Q (m³/h)

Portata
volumetrica
Airflow
volume

QCM 350

Code	Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	IE3	Mot. (Gr)
1QC3620	QCM	354	M	4	0.12	1.10	55/F	-	63
1QC3621			T	4	0.12	0.45	55/F	-	63

LIVELLI SONORI | SOUND LEVELS dB(A)

Hz	63	125	250	500	1000	2000	4000	8000	TOT
354	Lw	50.7	52.7	62.7	64.7	65.2	68.7	64.7	72.8
	Lp	33.2	35.2	45.2	47.2	47.7	51.2	47.2	55.3

QCM 400

Code	Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	IE3	Mot. (Gr)
1QC4200	QCM	404	M	4	0.12	1.10	55/F	-	63
1QC4201			T	4	0.12	0.45	55/F	-	63

LIVELLI SONORI | SOUND LEVELS dB(A)

Hz	63	125	250	500	1000	2000	4000	8000	TOT
404	Lw	54.7	56.7	61.7	64.7	68.7	69.7	55.7	73.6
	Lp	37.2	39.2	44.2	47.2	51.2	52.2	38.2	56.1

QCM 450

Code	Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	IE3	Mot. (Gr)
1QC4614	QCM	454	M	4	0.37	2.90	55/F	-	71
1QC4615			T	4	0.37	1.25	55/F	-	71

LIVELLI SONORI | SOUND LEVELS dB(A)

Hz	63	125	250	500	1000	2000	4000	8000	TOT
454	Lw	47.2	48.2	53.2	57.2	60.2	61.2	56.2	83.2
	Lp	64.7	65.7	70.7	74.7	77.7	78.7	73.7	66.7

Disponibili solo per i mercati extra UE.
Available only for Extra-EU markets.

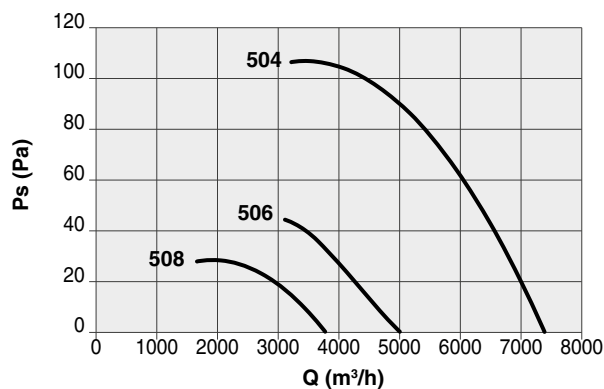
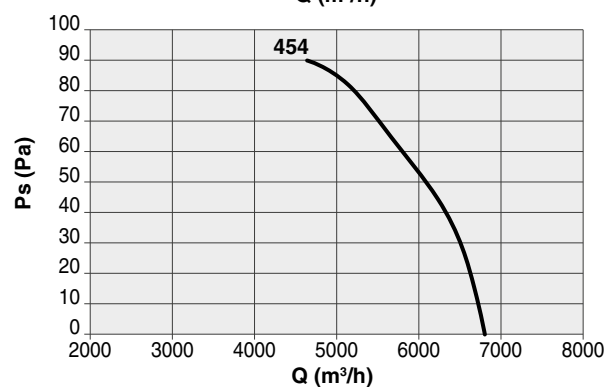
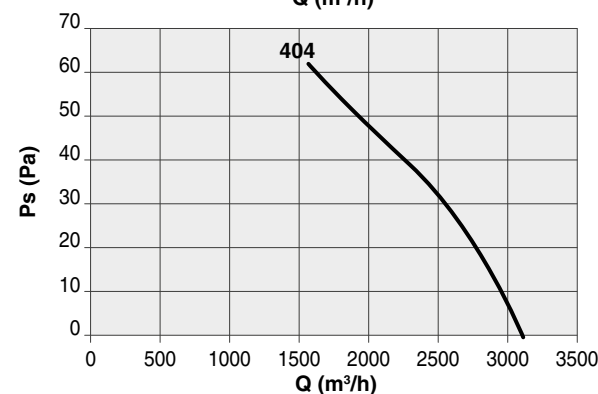
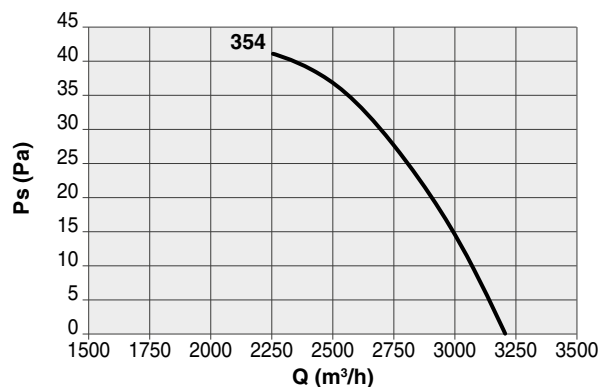
QCM 500

Code	Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	IE3	Mot. (Gr)
1QC5015	QCM	504	T	4	0.55	1.60	55/F	-	80
1QC5018		506	T	6	0.18	0.75	55/F	-	80
1QC5016		508	T	8	0.12	0.70	55/F	-	71

LIVELLI SONORI | SOUND LEVELS dB(A)

Hz	63	125	250	500	1000	2000	4000	8000	TOT
504	Lw	51.2	52.2	60.2	62.2	59.2	56.2	59.2	84.6
	Lp	68.7	69.7	77.7	79.7	76.7	73.7	76.7	67.1
506	Lw	56.7	66.7	64.7	65.7	65.7	67.7	62.7	73.8
	Lp	39.2	49.2	47.2	48.2	48.2	50.2	45.2	56.3
508	Lw	34.2	40.2	40.2	40.2	42.2	43.2	39.2	66.6
	Lp	51.7	57.7	57.7	57.7	59.7	60.7	56.7	49.1

Disponibili solo per i mercati extra UE, ad eccezione del modello 508 disponibili anche per i mercati UE.
Available only for Extra-EU markets, except model 508 available also for EU markets.



PRESTAZIONI | PERFORMANCE

QCM

U - M/T

Alimentazione elettrica
Monofase/Trifase
Power supply
Single/Three-phase

P

N° di poli motore
N° of motor poles
(RPM: 2p=3000 4p=1500
6p=1000 8p=750)

Pm (kW)

Potenza
nominale motore
Motor power rating

In (A)

Corrente nominale
a pieno carico
Full load current

IP/CL

Grado di protezione
motore/Classe di isolamento
Motor protection
grade/Insulation class

Mot. (Gr)

Grandezza
motore
Motor size

Lp/Lw (dBA)

Livello di pressione
e potenza sonora
Sound pressure
and volume levels

Ps (Pa)

Pressione
statica
Static pressure

Q (m³/h)

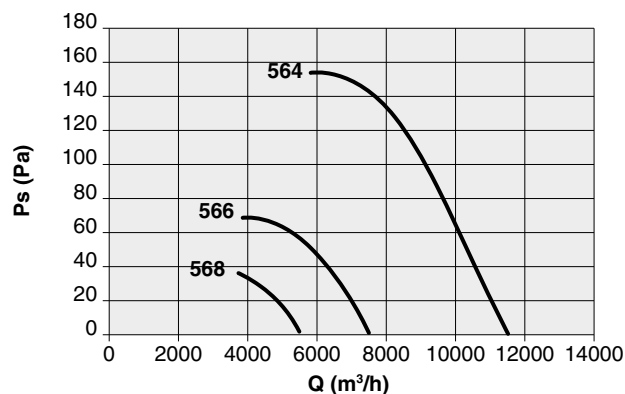
Portata
volumetrica
Airflow
volume

QCM 560

Code	Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	IE3	Mot. (Gr)
1QC5702	QCM	564	T	4	0.75	2.10	55/F	✓	80
1QC5703		566	T	6	0.25	1.00	55/F	-	71
1QC5704		568	T	8	0.18	0.71	55/F	-	80

LIVELLI SONORI | SOUND LEVELS dB(A)

Hz		63	125	250	500	1000	2000	4000	8000	TOT
564	Lw	34.8	55.8	66.3	64.8	63.8	63.8	60.8	51.8	88.9
	Lp	52.3	73.3	83.8	82.3	81.3	81.3	78.3	69.3	71.4
566	Lw	43.5	64.5	75.0	73.5	72.5	72.5	69.5	60.5	80.1
	Lp	26.0	47.0	57.5	56.0	55.0	55.0	52.0	43.0	62.6
568	Lw	37.2	58.2	68.7	67.2	66.2	66.2	63.2	54.2	73.9
	Lp	19.7	40.7	51.2	49.7	48.7	48.7	45.7	36.7	56.4



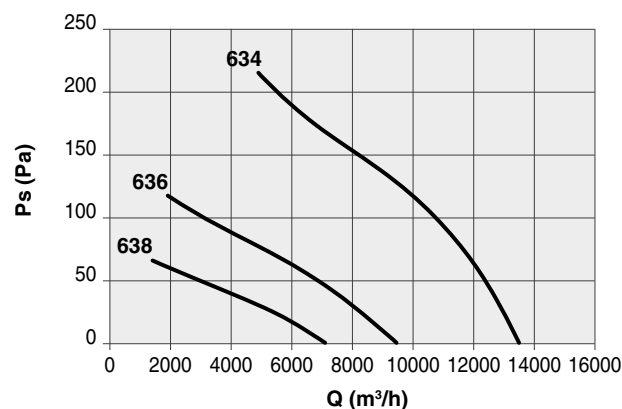
Disponibili solo per i mercati extra UE, ad eccezione del modello 568 disponibili anche per i mercati UE.
Available only for Extra-EU markets, except model 568 available also for EU markets.

QCM 630

Code	Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	IE3	Mot. (Gr)
1QC6304	QCM	634	T	4	1.10	2.50	55/F	✓	90
1QC6305		636	T	6	0.37	1.40	55/F	-	80
1QC6306		638	T	8	0.25	1.20	55/F	-	80

LIVELLI SONORI | SOUND LEVELS dB(A)

Hz		63	125	250	500	1000	2000	4000	8000	TOT
634	Lw	38.8	54.8	65.8	66.8	68.8	70.1	64.8	56.8	92.3
	Lp	56.3	72.3	83.3	84.3	86.3	87.6	82.3	74.3	74.8
636	Lw	47.5	63.5	74.5	75.5	77.5	78.8	73.5	65.5	83.5
	Lp	30.0	46.0	57.0	58.0	60.0	61.3	56.0	48.0	66
638	Lw	41.2	57.2	68.2	69.2	71.2	72.5	67.2	59.2	77.3
	Lp	23.7	39.7	50.7	51.7	53.7	55.0	49.7	41.7	59.8



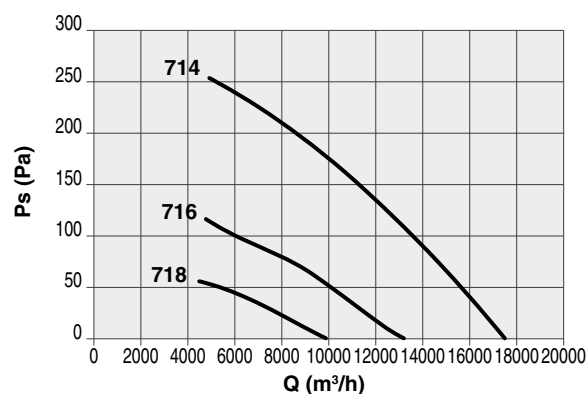
Disponibili solo per i mercati extra UE.
Available only for Extra-EU markets.

QCM 710

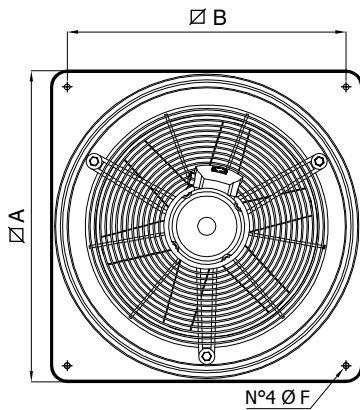
Code	Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL	IE3	Mot. (Gr)
1QC7102	QCM	714	T	4	2.20	4.60	55/F	✓	100L
1QC7103		716	T	6	0.75	2.01	55/F	✓	90S
1QC7104		718	T	8	0.37	1.41	55/F	-	90S

LIVELLI SONORI | SOUND LEVELS dB(A)

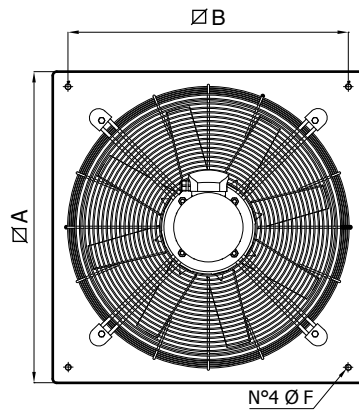
Hz		63	125	250	500	1000	2000	4000	8000	TOT
714	Lw	40.8	53.8	65.8	68.8	74.8	76.8	70.8	61.8	97.6
	Lp	58.3	71.3	83.3	86.3	92.3	94.3	88.3	79.3	80.1
716	Lw	31.8	51.8	56.8	55.8	60.8	63.8	56.8	44.8	84.6
	Lp	49.3	69.3	74.3	73.3	78.3	81.3	74.3	62.3	67.1
718	Lw	50.8	62.3	70.3	69.3	71.3	73.3	64.3	51.3	77.7
	Lp	33.3	44.8	52.8	51.8	53.8	55.8	46.8	33.8	60.2



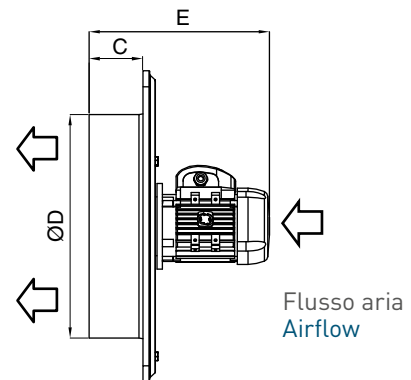
Disponibili solo per i mercati extra UE.
Available only for Extra-EU markets.



QCM 200 ÷ 560



QCM 630-710



QCM

TIPO TYPE	ØA	ØB	C	ØD	E	ØF	Kg
QCM 200	345	305	44	215	210	8.5	5
QCM 250	400	350	57	265	250	8.5	7
QCM 310	465	405	77	316	285	10	11
QCM 350	525	465	90	366	315	10	12
QCM 400	580	520	100	417	325	10	14
QCM 450	630	570	107	461	370	10	18
QCM 500	700	640	137	516	405	10	22
QCM 560	765	695	122	573	385	10	25
QCM 630	800	730	93	640	385	12	26
QCM 710	850	800	93	710	440	12	35

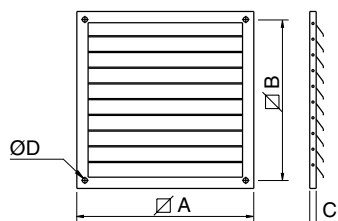
Pesi indicativi | Indicative weights



S | SERRANDA A GRAVITÀ | GRAVITY SHUTTER

Evita dispersioni di calore e l'entrata del vento, pioggia o volatili. Le alette della serranda si aprono con il movimento dell'aria a ventilatore in funzione, richiudendosi per gravità al suo spegnimento. Il telaio è in acciaio verniciato a polveri epossipoliestiriche e le alette sono in tecnopolimero. Minima resistenza al passaggio dell'aria.

It avoids heat loss and entry of wind, rain and birds. The fins of the shutter are opened by the air flow when the fan is working and they close down by gravity when the fan is switched off. The frame is in steel sheet painted with epoxy powder coating and the fins are in techno-polymer. The use of the gravity shutter causes a small capacity reduction.



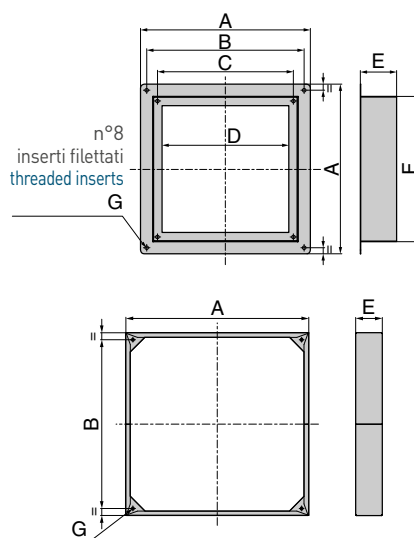
Code	Tipo Type	ØA	ØB	C	ØD	Kg
1SE2000	S 20	275	250	10	10	1.0
1SE2500	S 25	325	300	10	10	1.5
1SE3000	S 31	375	350	10	10	2.0
1SE3500	S 35	425	400	10	10	2.5
1SE4000	S 40	475	450	10	10	3.0
1SE4500	S 45	530	500	15	10	3.5
1SE5000	S 50	630	600	15	10	4.0
1SE5600	S 56	660	630	15	10	4.5
1SE6300	S 63	760	730	15	10	5.5
1SE7000	S 71	830	800	15	10	6.0

Dimensioni in mm | Dimensions in mm

D | DISTANZIATORE | SPACER

Serve, principalmente, a supportare il ventilatore quando la parete ha uno spessore inferiore all'altezza del bocaglio del ventilatore stesso. Il telaio è in lamiera zincata [D63 - D71 sono verniciate a polveri epossipoliestiriche], ai quattro angoli sono previsti inserti filettati in acciaio zincato per il fissaggio del pannello del ventilatore, su di un lato e della serranda e/o della rete sull'altro lato.

It is needed to support the fan when the width of the wall is smaller than the dimension "C" (height of the fan inlet cone). Frame is in galvanized steel sheet [D63 and D71 are painted with epoxy powder coating]; on the four corners there are 8 threaded inserts in galvanized steel sheet, for fixing the fan in one side and the shutter and/ or the grid on the other side.



Code	Tipo Type	A	B	C	D	E	F	G	Kg
1DP2002	D 20	340	305	249	230	70	280	M6	1.8
1DP2502	D 25	390	350	299	280	70	330	M6	2.2
1DP3002	D 30	445	405	349	330	100	380	M6	3.0
1DP3502	D 35	510	465	399	380	100	430	M6	3.4
1DP4003	D 40	560	520	449	420	120	480	M6	4.6
1DP4502	D 45	610	570	499	470	140	530	M6	5.0
1DP5003	D 50	680	640	602	570	160	630	M8	5.4
1DP5602	D 56	750	695	631	605	160	685	M8	6.6

Dimensioni in mm | Dimensions in mm

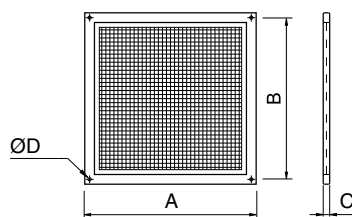
Code	Tipo Type	A	B	E	G	Kg
1DP6301	D 63	790	729	210	M8	13.5
1DP7000	D 71	840	800	150	M8	11.0

Dimensioni in mm | Dimensions in mm

R | RETE DI PROTEZIONE | PROTECTION GUARD

Evita il contatto accidentale con la girante del ventilatore. Il telaio e la rete sono in acciaio verniciato a polveri epossipoliestiriche.

It avoids the accidental contact with the impeller of the fan. Frame and grid are in epoxy painted steel sheet.



Code	Tipo Type	ØA	ØB	C	ØD	Kg
5RE7020	R 20	275	250	10	10	1.3
5RE7025	R 25	325	300	10	10	1.5
5RE7031	R 31	375	350	10	10	1.9
5RE7035	R 35	425	400	10	10	2.3
5RE7040	R 40	475	450	10	10	2.7
5RE7045	R 45	530	500	15	10	2.8
5RE7050	R 50	630	600	15	10	4.0
5RE7056	R 56	660	630	15	10	4.6
5RE7063	R 63	760	730	15	10	5.3
5RE7070	R 71	830	800	15	10	6.0

Dimensioni in mm | Dimensions in mm