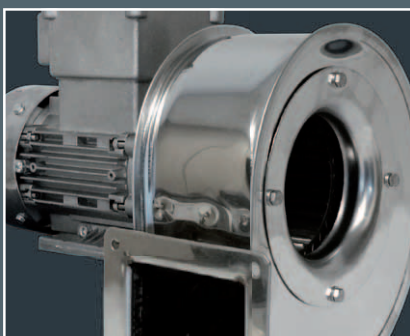
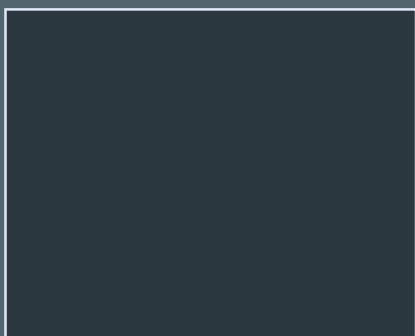




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Compact and high efficiency axial fans



Conformi alla Direttiva ErP
e al Regolamento UE327/2011 (FAN)

Categoria di misura: C
Categoria di efficienza: Statica
In conformità a EN ISO 5801 / AMCA 210.

Compliant with Erp Directive
and EU Regulation 327/2011 (FAN)

Measurement category: C
Efficiency category: Static
According to EN ISO 5801 / AMCA 210.

DESCRIZIONE GENERALE

I ventilatori della serie QCL sono adatti per la ventilazione, con fissaggio a parete nelle più svariate applicazioni civili, industriali e commerciali in cui siano richiesti ingombri limitati o prestazioni regolabili. La serie è costituita da 10 modelli con diametro girante da 200 a 710 mm. L'impiego è previsto con aria pulita nell'intervallo di temperatura da -25°C a +60°C. Il boccaglio ottimizzato ed il profilo bionico delle pale riducono il rumore e aumentano l'efficienza aeraulica ed energetica nel rispetto del Regolamento UE 327/2011.

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 epossipoliestiriche.
- Girante elicoidale con pale a falce con sezione speciale stampate in tecnopolimero (200-400) o fusione di lega d'alluminio (450-710) direttamente calettato al rotore del motore.
- Esecuzione 5 (accoppiamento diretto con girante). Flusso dell'aria da motore a girante.
- Rete di protezione lato motore in tondino d'acciaio trafilato e protetto dalla corrosione. Modelli 200,250,630 e 710 con funzione protezione e porta-motore. Realizzata a norme EN ISO 12499. Modelli 310-560 staffa supporto motore in acciaio verniciato a polveri epossidiche.
- Motore a rotore esterno, con termoprotettore, idoneo alla regolazione, trifase a doppia velocità (stella- triangolo YΔ) o monofase.
- Configurazione standard "quasi macchina" secondo direttiva 2006/42/CE

A RICHIESTA

- Versione a flusso inverso.

ACCESSORI

- Serranda a gravità (S).
- Distanziatore realizzato in lamiera verniciata a polveri epossipoliestiriche (D).
- Rete di protezione lato girante, realizzata a norme UNI EN ISO 12499 e protetta contro gli agenti atmosferici (R).

GENERAL DESCRIPTION

The fans of the QCL series are suitable for the ventilation, with wall or panel, in residential, commercial and industrial buildings, where reduced dimensions or adjustable performances are required. The series consists of 10 models with impeller diameter from 200 to 710 mm. They are designed for clean air in the temperature range -25°C / +60°C.

The optimized inlet cone along with the bionic profile of the blades reduce noise level and increase the aeraulic and energetic efficiency according to the regulation EU 327/2011.

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.
- Helical impeller with sickle-shaped on bionic finding blades in technopolymer (200-400) or die-cast aluminium alloy (450-710) directly united to the motor rotor.
- Execution 5 (impeller directly coupled to motor shaft). Air flow from motor to impeller.
- Inlet protection guard in steel rod, according to EN ISO 12499. Models 200,250,630 and 710 with protection function and motor support. Models 310-560 with motor support bracket in steel powder coated epoxy.
- External rotor motor, with built in thermal protection, suitable for adjustable, three-phase double speed (delta-star YΔ) or single-phase.
- Standard configuration "partly completed machinery" according to Directive 2006/42/EC.

UPON REQUEST

- Reverse airflow version.

ACCESSORIES

- Gravity shutter (S).
- Spacer manufactured in epoxy painted steel sheet (D).
- Impeller side protection guard manufactured according to UNI ISO 12499 rules and protected against atmospheric agents (R).

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.
Conformi alla Direttiva ErP 2009/125/CE e al regolamento UE327/2011.
Categoria di misura: C. Categoria di efficienza: Statica.
Alimentazione 230V/1Ph/50Hz o 400V/3Ph/50Hz.

Lp: Livello di pressione sonora rilevato in condizioni di campo libero, propagazione emisferica, categoria di misura C a norma EN ISO 13349, nel punto di massimo rendimento, alla distanza di 3 metri dal lato aspirazione e si presenta solo per fini comparativi.
Lw: Livello di potenza sonora ottenuto secondo norma ISO 3746. Tolleranza +/- 3 dB(A).

Air performances measured according to EN ISO 5801 / AMCA 210 standard with air density with 1.2 kg/m³ specific weight.
Compliant with ErP 2009/125/EC Directive and EU Regulation 327/2011.
Measurement category: C. Efficiency category: Static.
Power supply 230V/1Ph/50Hz or 400V/3Ph/50Hz.

Lp: 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 3 meters, inlet side (for comparative purposes only).
Lw: Sound power level obtained in accordance with EN ISO 3746. Tolerance +/- 3 dB(A).

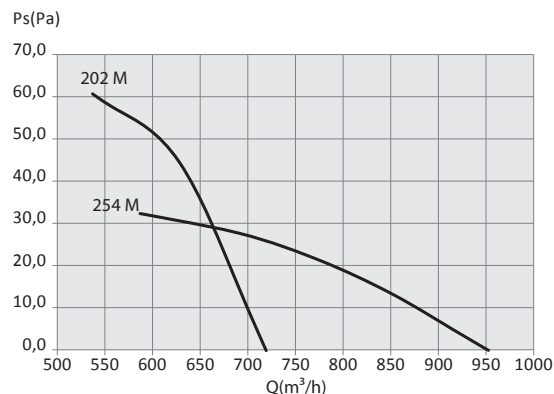
Versioni MONOFASE - SINGLE PHASE versions

QCL 200-250 / Monofase - Single phase

Cod.	Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	Capacità (µF)	IP/CL
1CP2011	QCL	202	M	2	0,08	0,38	1,5	54/F
1CP2511	QCL	254	M	4	0,05	0,24	1,5	54/F

Livelli sonori - Sound levels / dB(A)

[Hz]	63	125	250	500	1000	2000	4000	8000	TOT
QCL 202 Lw	38	41	50	52	58	61	58	51	65
QCL 202 Lp	20	24	32	35	41	44	40	34	48
QCL 254 Lw	27	44	43	51	52	53	50	41	58
QCL 254 Lp	9	26	25	33	34	35	32	23	40

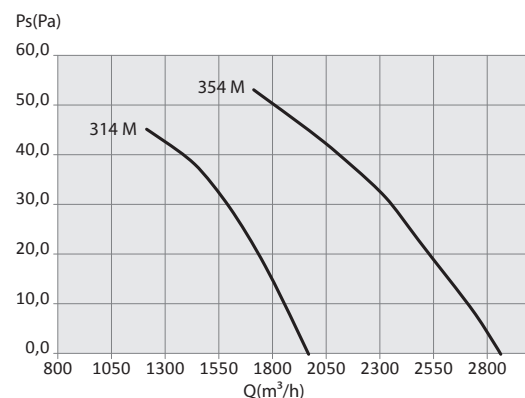


QCL 310-350 / Monofase - Single phase

Cod.	Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	Capacità (µF)	IP/CL
1CP3011	QCL	314	M	4	0,10	0,42	3	54/F
1CP3511	QCL	354	M	4	0,12	0,56	5	54/F

Livelli sonori - Sound levels / dB(A)

[Hz]	63	125	250	500	1000	2000	4000	8000	TOT
QCL 314 M Lw	27	47	49	51	54	59	55	43	62
QCL 314 M Lp	9	29	31	33	36	41	37	25	44
QCL 354 M Lw	33	54	50	54	58	60	55	45	64
QCL 354 M Lp	15	36	32	36	40	42	37	27	46

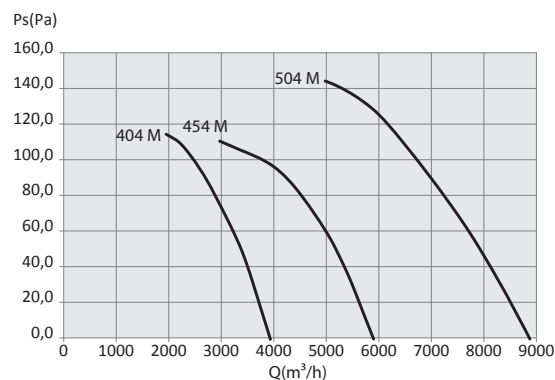


QCL 400-450-500 / Monofase - Single phase

Cod.	Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	Capacità (µF)	IP/CL
1CP4017	QCL	404	M	4	0,24	1,05	5	54/F
1CP4519	QCL	454	M	4	0,60	2,90	7	44/F
1CP5017	QCL	504	M	4	0,72	3,20	16	54/F

Livelli sonori - Sound levels / dB(A)

[Hz]	63	125	250	500	1000	2000	4000	8000	TOT
QCL 404 M Lw	36	57	60	61	64	64	59	48	65
QCL 404 M Lp	18	39	42	43	46	46	41	30	47
QCL 454 M Lw	36	60	62	69	67	68	68	59	75
QCL 454 M Lp	18	42	44	51	49	50	50	41	57
QCL 504 M Lw	40	60	60	64	67	69	64	55	73
QCL 504 M Lp	22	42	42	46	49	51	46	37	55



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1.2

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.
Conformi alla Direttiva ErP 2009/125/CE e al regolamento UE327/2011.
Categoria di misura: C. Categoria di efficienza: Statica.
Alimentazione 230V/1Ph/50Hz o 400V/3Ph/50Hz.

Lp: Livello di pressione sonora rilevato in condizioni di campo libero, propagazione emisferica, categoria di misura C a norma EN ISO 13349, nel punto di massimo rendimento, alla distanza di 3 metri dal lato aspirazione e si presenta solo per fini comparativi.
Lw: Livello di potenza sonora ottenuto secondo norma ISO 3746. Tolleranza +/- 3 dB(A).

Air performances measured according to EN ISO 5801 / AMCA 210 standard with air density with 1.2 kg/m³ specific weight.
Compliant with ErP 2009/125/EC Directive and EU Regulation 327/2011.
Measurement category: C. Efficiency category: Static.
Power supply 230V/1Ph/50Hz or 400V/3Ph/50Hz.

Lp: 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 3 meters, inlet side (for comparative purposes only).
Lw: Sound power level obtained in accordance with EN ISO 3746. Tolerance +/- 3 dB(A).

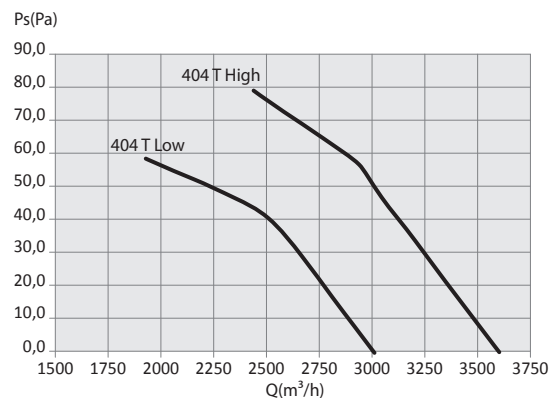
Versioni TRIFASE - THREE PHASE versions

QCL 400 / Trifase - Three phase

Cod.	Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL
1CP4018	QCL	404	T	4	0,23/0,17	0,46/0,27	54/F

Livelli sonori - Sound levels / dB(A)

[Hz]	63	125	250	500	1000	2000	4000	8000	TOT
QCL 404 T LS Lw	35	51	51	57	60	60	55	45	65
QCL 404 T LS Lp	17	33	33	39	42	42	37	27	47
QCL 404 T HS Lw	36	54	55	60	64	64	59	49	69
QCL 404 T HS Lp	18	36	37	42	46	46	41	31	51

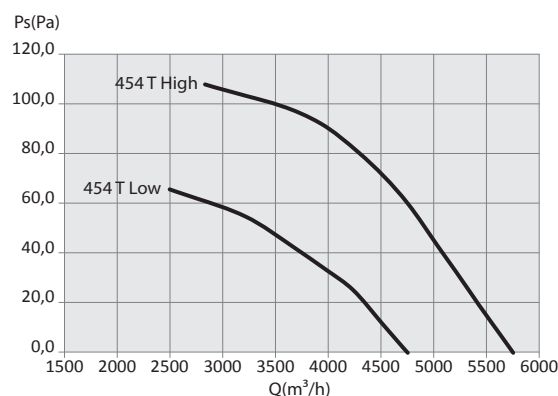


QCL 450 / Trifase - Three phase

Cod.	Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL
1CP4520	QCL	454	T	4	0,54/0,36	1,10/0,66	44/F

Livelli sonori - Sound levels / dB(A)

[Hz]	63	125	250	500	1000	2000	4000	8000	TOT
QCL 454 T LS Lw	33	52	51	64	65	67	60	51	70
QCL 454 T LS Lp	15	34	33	46	47	49	42	33	52
QCL 454 T HS Lw	35	58	55	62	69	70	66	57	74
QCL 454 T HS Lp	17	40	37	44	51	52	48	39	56

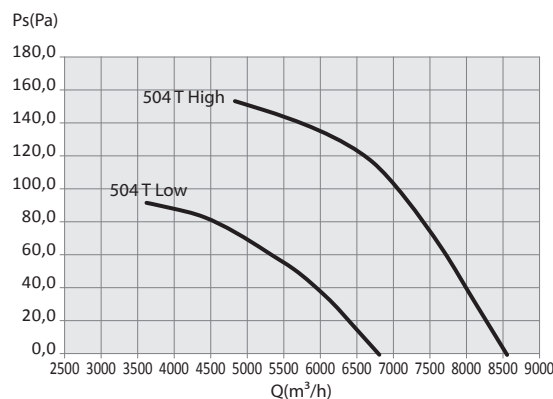


QCL 500 / Trifase - Three phase

Cod.	Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL
1CP5018	QCL	504	T	4	0,84/0,54	1,45/0,96	54/F

Livelli sonori - Sound levels / dB(A)

[Hz]	63	125	250	500	1000	2000	4000	8000	TOT
QCL 504 T LS Lw	33	55	61	61	66	68	62	53	72
QCL 504 T LS Lp	15	37	43	43	48	50	44	35	54
QCL 504 T HS Lw	37	61	59	65	70	72	69	59	76
QCL 504 T HS Lp	19	43	41	47	52	54	51	41	58



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.
Conformi alla Direttiva ErP 2009/125/CE e al regolamento UE327/2011.
Categoria di misura: C. Categoria di efficienza: Statica.
Alimentazione 230V/1Ph/50Hz o 400V/3Ph/50Hz.

Lp: Livello di pressione sonora rilevato in condizioni di campo libero, propagazione emisferica, categoria di misura C a norma EN ISO 13349, nel punto di massimo rendimento, alla distanza di 3 metri dal lato aspirazione e si presenta solo per fini comparativi.
Lw: Livello di potenza sonora ottenuto secondo norma ISO 3746. Tolleranza +/- 3 dB(A).

Air performances measured according to EN ISO 5801 / AMCA 210 standard with air density with 1.2 kg/m³ specific weight.
Compliant with ErP 2009/125/EC Directive and EU Regulation 327/2011.
Measurement category: C. Efficiency category: Static.
Power supply 230V/1Ph/50Hz or 400V/3Ph/50Hz.

Lp: 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 3 meters, inlet side (for comparative purposes only).
Lw: Sound power level obtained in accordance with EN ISO 3746. Tolerance +/- 3 dB(A).

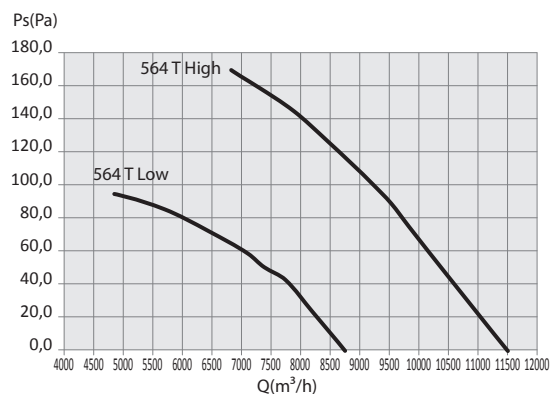
Versioni TRIFASE - THREE PHASE versions

QCL 560 / Trifase - Three phase

Cod.	Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL
1CP5612	QCL	564	T	4	1,05/0,58	2,20/1,10	54/F

Livelli sonori - Sound levels / dB(A)

[Hz]	63	125	250	500	1000	2000	4000	8000	TOT
QCL 564 T LS Lw	44	58	59	65	70	70	65	57	75
QCL 564 T LS Lp	26	40	41	47	52	52	47	39	57
QCL 564 T HS Lw	47	66	65	71	75	75	72	63	80
QCL 564 T HS Lp	29	48	47	53	57	57	54	45	62

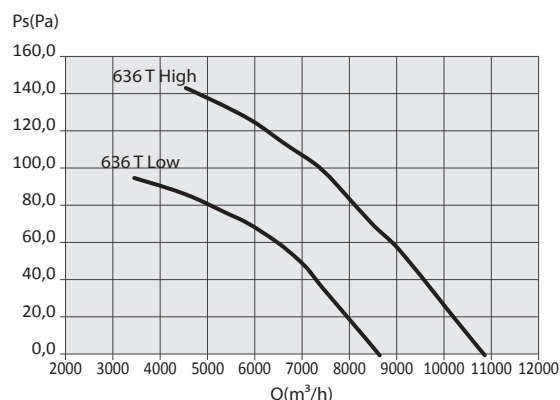


QCL 630 / Trifase - Three phase

Cod.	Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL
1CP6312	QCL	636	T	6	0,62/0,44	1,25/0,72	54/F

Livelli sonori - Sound levels / dB(A)

[Hz]	63	125	250	500	1000	2000	4000	8000	TOT
QCL 636 T LS Lw	33	45	52	57	64	64	57	48	68
QCL 636 T LS Lp	15	27	34	39	46	46	39	30	50
QCL 636 T HS Lw	34	55	56	60	66	67	61	52	71
QCL 636 T HS Lp	16	37	38	42	48	49	43	34	53

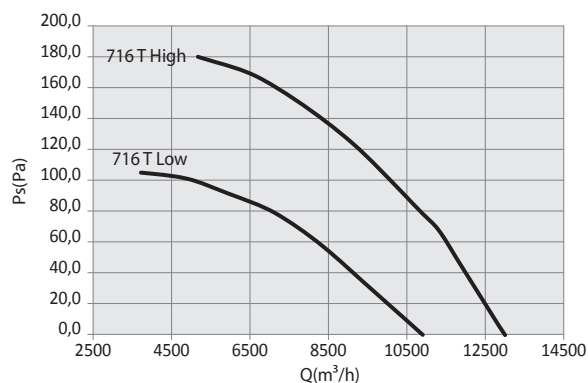


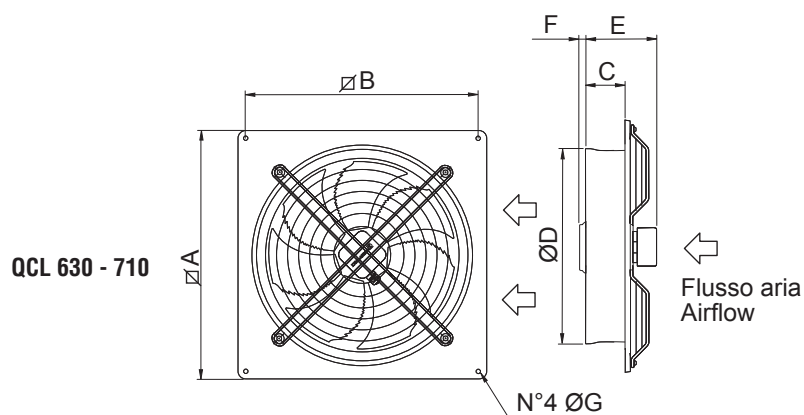
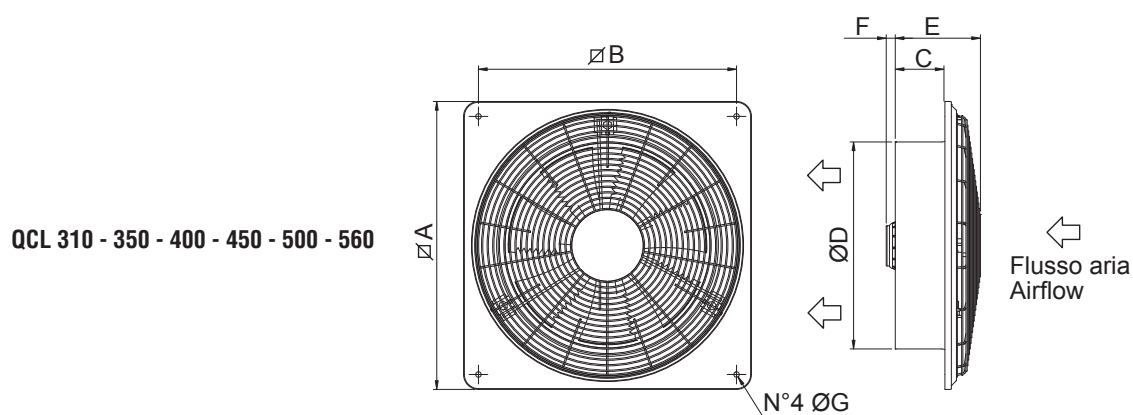
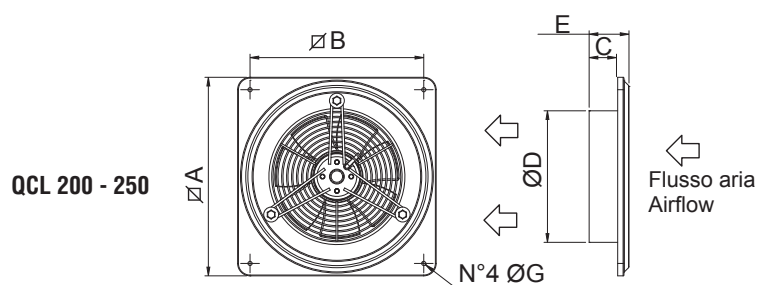
QCL 710 / Trifase - Three phase

Cod.	Tipo Type	Modello Model	U	P	Pm (kW)	In (A)	IP/CL
1CP7013	QCL	716	T	6	0,94/0,62	1,70/1,05	54/F

Livelli sonori - Sound levels / dB(A)

[Hz]	63	125	250	500	1000	2000	4000	8000	TOT
QCL 716 T LS Lw	36	52	54	58	63	64	57	48	68
QCL 716 T LS Lp	18	34	36	40	45	46	39	30	50
QCL 716 T HS Lw	34	53	58	61	66	66	62	52	71
QCL 716 T HS Lp	16	35	40	43	48	48	44	34	53





TIPO / TYPE	A	B	C	$\varnothing D$	E	F	G	Kg *
QCL 200	345	305	44	215	76	-	8,5	2,6
QCL 250	400	350	57	265	80	-	8,5	3,2
QCL 310	465	405	77	312	151	-	10	4,5
QCL 350	525	465	90	365	167	-	10	6
QCL 400	580	520	100	413	172	-	10	9
QCL 450	630	570	107	457	210	33	10	15
QCL 500	700	640	137	512	239	23	10	17,5
QCL 560	765	695	122	569	217	42	10	22,5
QCL 630	800	730	93	643	158	67	12	20,9
QCL 710	850	800	93	719	198	28	12	28,6

Dimensioni in mm / Dimensions in mm

*Pesi indicativi / Indicative weights

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