QBM



ACOUSTIC CENTRIFUGAL BOX

APPLICATION

Compact acoustic in-line centrifugal box fans suitable for horizontal or vertical mouinting in residential, commercial and industrial buildings such as toilets, bathrooms, schools, warehouses, offices, gyms, sports hall, restaurants, etc…

CONSTRUCTION

- Outer casing made from galvanized steel providing long lasting and robust construction.
- Top cover made from ABS.
- Self-extinguishing technopolymer acoustic lining.
- Spigots made from polypropylene or in galvanized steel to fit rigid or flexible round ducts.
- Maintenance-free centrifugal backcurved impeller, dynamically balanced.
- High efficient EC brushless external rotor motor, provided with long-life ball bearings and integral thermal protection mounted on anti-vibration mounts.
- Electrical connection to the motor is provided by an IP55 terminal box.

FEATURES & BENEFITS

- Ease of installation: wall-fixing eyelets are part of the fan body.
- Compact profile to fit in narrow spaces.
- Suitable to operate at 230V-1Ph-50/60Hz.
- Top cover easily removable for inspection and maintenance.
- Fans are suitable to operate at a maximum temperature of +40°C.
- Tested to the latest standards, meaning accurate, up to date information on electrical safety, performance and noise level that can be relied upon.
- Designed and manufactured in accordance with Low Voltage Directive (LVD), Electromagnetic Compatibility Directive (EMC) and Regulation 1253/2014 (ErP Directive).

OPERATION

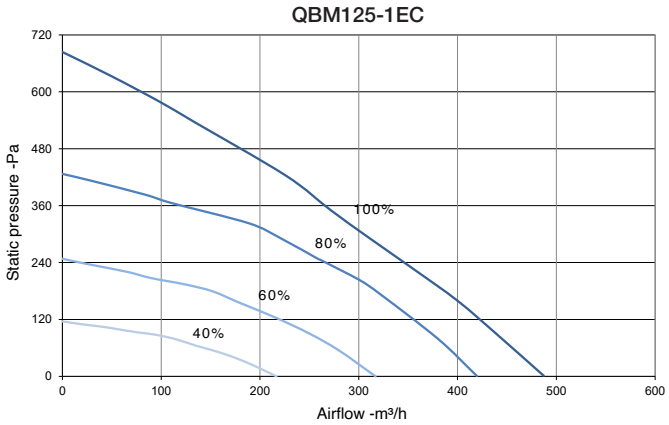
- One speed.
- Two speeds through external switch (not supplied).
- Variable speed through remote control CTRL-M.
- 3 speeds through remote selector SEL-3V.

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Performances

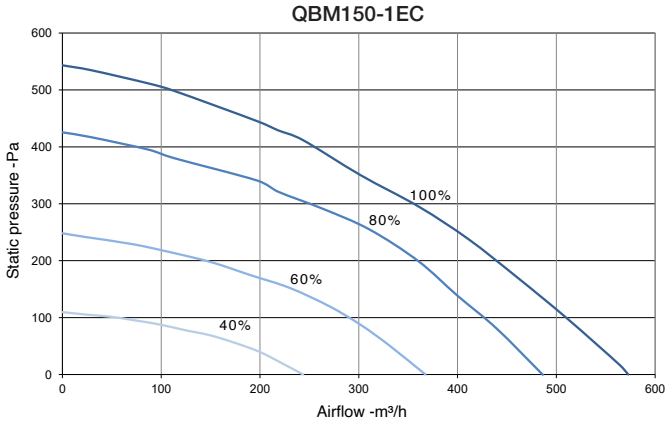
Description	Poles	Mot. size	P el kW	I nom A	I start A	IP/Cl.
QBM125-1EC	-	-	0,09	0,74	-	X2/-

Description	Code	Eff. %	SFP W/m³/h	Q max m³/h	Lp dB(A) @3m Breakout
QBM125-1EC	006829	50	0,254	487	42



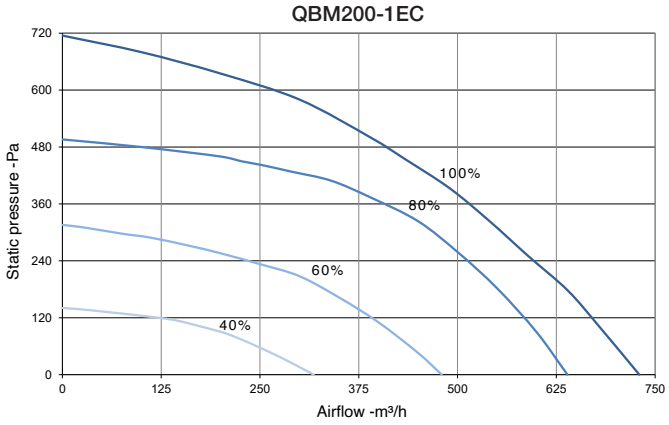
Description	Poles	Mot. size	P el kW	I nom A	I start A	IP/Cl.
QBM150-1EC	-	-	0,087	0,72	-	X2/-

Description	Code	Eff. %	SFP W/m³/h	Q max m³/h	Lp dB(A) @3m Breakout
QBM150-1EC	006830	50	0,241	573	42



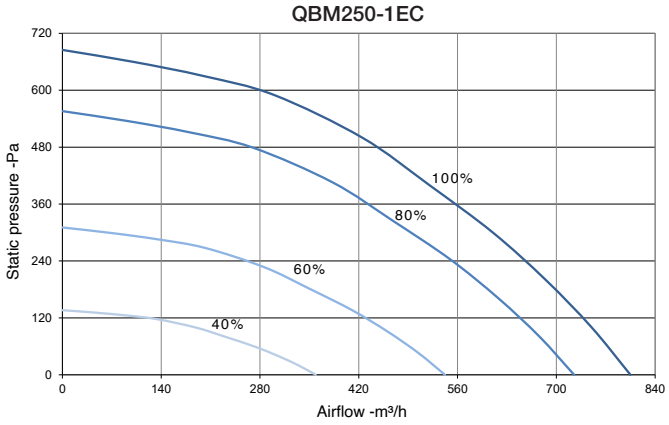
Description	Poles	Mot. size	P el kW	I nom A	I start A	IP/Cl.
QBM200-1EC	-	-	0,162	1,38	-	X2/-

Description	Code	Eff. %	SFP W/m³/h	Q max m³/h	Lp dB(A) @3m Breakout
QBM200-1EC	006831	53	0,302	730	52



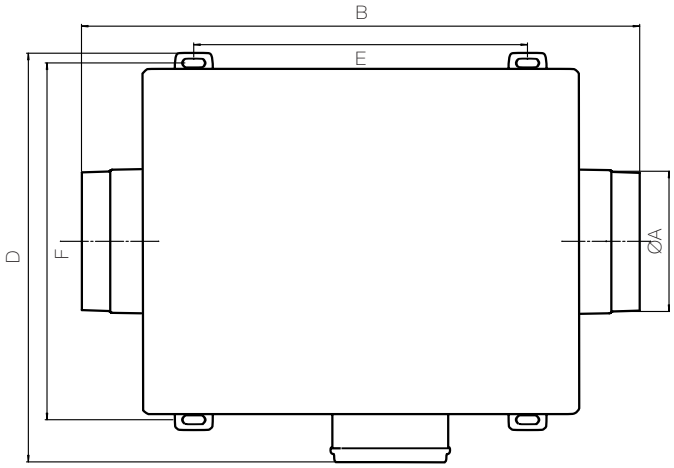
Description	Poles	Mot. size	P el kW	I nom A	I start A	IP/Cl.
QBM250-1EC	-	-	0,165	1,38	-	X2/-

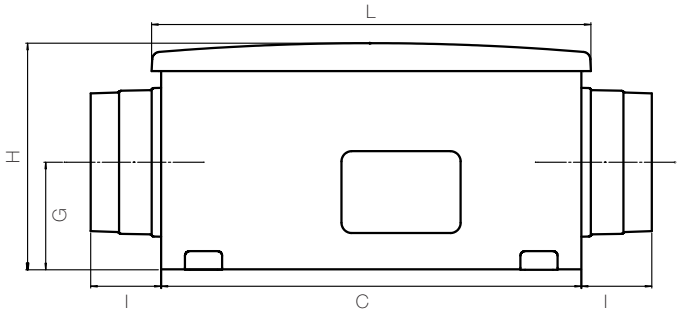
Description	Code	Eff. %	SFP W/m³/h	Q max m³/h	Lp dB(A) @3m Breakout
QBM250-1EC	006832	53	0,317	805	48



Data in accordance with Regulation 1253/2014 (ErP Directive). Product category is NRVU. Measurement category used to determine energy efficiency: D.
Data provided at standard air density of 1.2kg/m³.
The overall A-weighted sound pressure level is at a distance of 3m with spherical free-field propagation. It is expressed in dB re-20µPa and is presented for comparative purposes only.

Dimensions (mm) and Weight (kg)





Description	ØA	B	C	D	E	F	G	H	I	L	Weight
QBM125	125	603	452	442	360	385	115	245	75,7	472	6,5
QBM150	150	603	452	442	360	385	115	245	75,7	472	6,5
QBM200	200	525	452	442	360	385	149	315	37,6	472	9
QBM250	250	565	452	442	360	385	149	315	57,7	472	9

Accessories

Description	 CTRL-M		 3-speed selector	
	Description	Code	Description	Code
QBM125-1EC	CTRL-M-P	003682	SEL-3V-P	003790
	CTRL-M-I 2M	003683	SEL-3V-I 2M	003789
QBM150-1EC	CTRL-M-P	003682	SEL-3V-P	003790
	CTRL-M-I 2M	003683	SEL-3V-I 2M	003789
QBM200-1EC	CTRL-M-P	003682	SEL-3V-P	003790
	CTRL-M-I 2M	003683	SEL-3V-I 2M	003789
QBM250-1EC	CTRL-M-P	003682	SEL-3V-P	003790
	CTRL-M-I 2M	003683	SEL-3V-I 2M	003789

Speed controller



- Potentiometer for EC brushless motors with front knob, two pole on-off switch to adjust the motor speed.
- Yellow led to indicate active load.
- 230V~ 50/60Hz.
- Available for surface (CTRL-M-P) or recessed mounting (CTRL-M-I 2M).

Description	H	L
CTRL-M	80	80

Dimensions in mm

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3-speed selector



- Speed selector with front selection knob, including ON/OFF position.
- SEL-3V controller is available for surface (SEL-3V-P) or recessed mounting (SEL-3V-I 2M).

Description	Voltage/Hz	max Amp	H	L
SEL-3V	230V~ 50/60Hz	3	80	80

Dimensions in mm