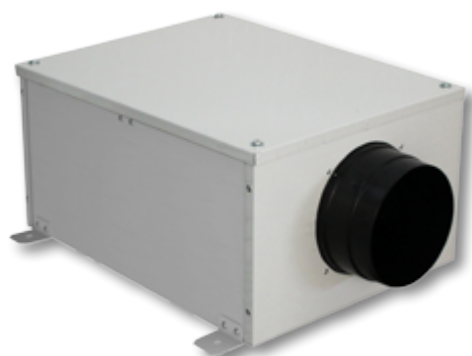




ACOUSTIC CENTRIFUGAL BOX

APPLICATION

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

CONSTRUCTION

- Outer casing made from coated steel RAL 9010 providing long lasting and robust construction.
- Top cover made from steel for the AC versions and from ABS for the EC versions.
- Self-extinguishing technopolymer acoustic lining.
- Spigots made from polypropylene to fit rigid or flexible round ducts.
- Self-cleaning centrifugal back-curved impeller, dynamically balanced for AC and EC PLUS version.
- Centrifugal forward-curved impeller, dynamically balanced for EC version.
- High efficient external rotor motor, provided with long-life ball bearings and integral thermal protection mounted on anti-vibration mounts, with 3 speeds for AC version and EC brushless for EC and EC PLUS version.
- IPX2 protection grade.
- Electrical connection to the motor is provided by an IP55 terminal box.

FEATURES & BENEFITS

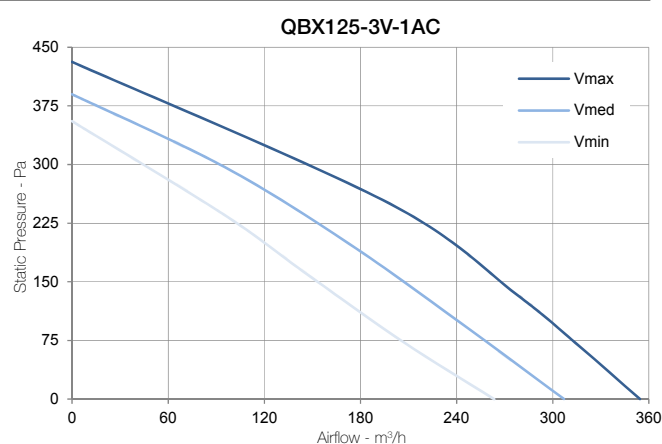
- Ease of installation: wall-fixing eyelets are part of the fan body.
- Compact profile to fit in narrow spaces.
- Suitable to operate at 230V/1Ph/50/60Hz.
- Top cover easily removable for inspection and maintenance.
- Tested to the latest standards, meaning accurate, up to date information on electrical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

ACCESSORIES

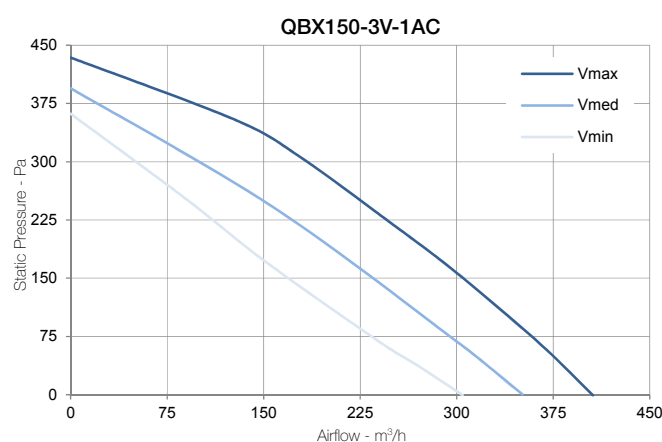
- Clamp.
- Flexible connector.
- Backdraught damper.
- Electric heater battery.
- Panel filter.
- Silencers (page 60).
- 3 speed selector.
- Speed controller for EC motor.

Performances

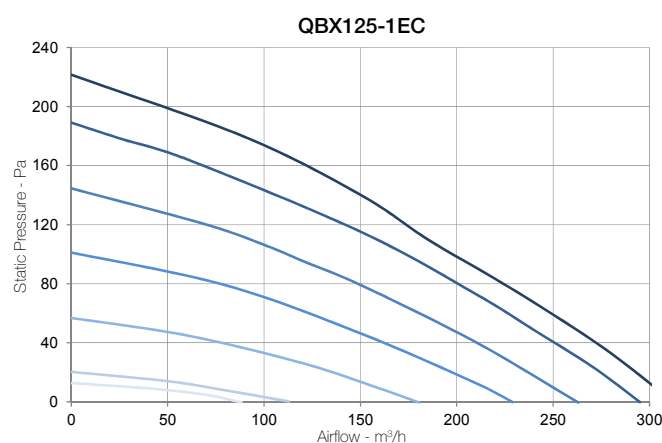
Description	Poles	Mot.	P _{el}	I _{nom}	I _{start}	IP/Cl.
		size	kW	A	A	
QBX125-3V-1AC	-	-	0,063	0,27	-	X2/-
Description	Code	Eff.	SFP	Q max	Lp	
		%	W/m³/h	m³/h	dB(A) @3m Breakout	
QBX125-3V-1AC	PBX00001	25	0,300	354	41	



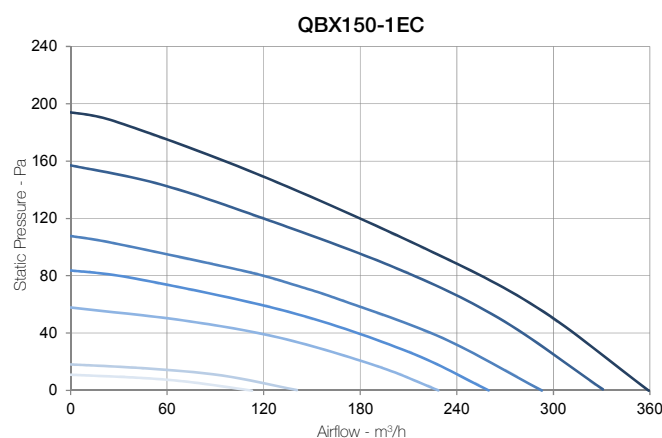
Description	Poles	Mot.	P _{el}	I _{nom}	I _{start}	IP/Cl.
		size	kW	A	A	
QBX150-3V-1AC	-	-	0,063	0,27	-	X2/-
Description	Code	Eff.	SFP	Q max	Lp	
		%	W/m³/h	m³/h	dB(A) @3m Breakout	
QBX150-3V-1AC	PBX00000	27,3	0,290	406	41	



Description	Poles	Mot.	P _{el}	I _{nom}	I _{start}	IP/Cl.
		size	kW	A	A	
QBX125-1EC	-	-	0,031	0,27	-	X2/-
Description	Code	Eff.	SFP	Q max	Lp	
		%	W/m³/h	m³/h	dB(A) @3m Breakout	
QBX125-1EC	000010	26,8	0,069	312	30	



Description	Poles	Mot.	P _{el}	I _{nom}	I _{start}	IP/Cl.
		size	kW	A	A	
QBX150-1EC	-	-	0,041	0,33	-	X2/-
Description	Code	Eff.	SFP	Q max	Lp	
		%	W/m³/h	m³/h	dB(A) @3m Breakout	
QBX150-1EC	000011	19,5	0,091	360	30	

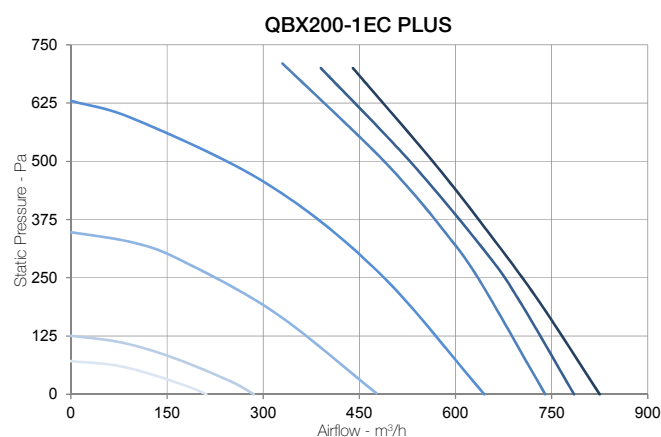
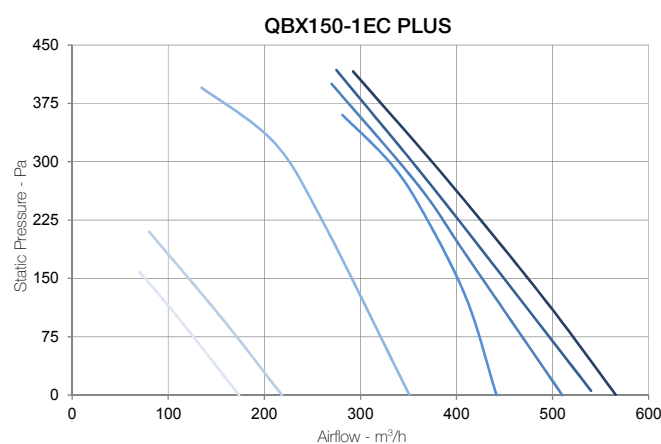
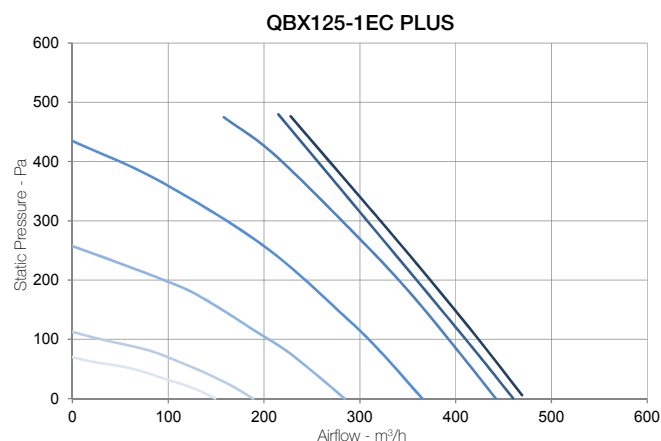


Performances

Description	Poles	Mot.	P _{el}	I _{nom}	I _{start}	IP/Cl.
		size	kW	A	A	
QBX125-1EC PLUS	-	-	0,083	0,77	-	X2/-
Description	Code	Eff.	SFP	Q max	Lp	
		%	W/m³/h	m³/h	dB(A) @3m Breakout	
QBX125-1EC PLUS	001157	39,2	0,365	469	55	

Description	Poles	Mot.	P _{el}	I _{nom}	I _{start}	IP/Cl.
		size	kW	A	A	
QBX150-1EC PLUS	-	-	0,083	0,77	-	X2/-
Description	Code	Eff.	SFP	Q max	Lp	
		%	W/m³/h	m³/h	dB(A) @3m Breakout	
QBX150-1EC PLUS	001158	42,7	0,290	566	55	

Description	Poles	Mot.	P _{el}	I _{nom}	I _{start}	IP/Cl.
		size	kW	A	A	
QBX200-1EC PLUS	-	-	0,177	1,45	-	X2/-
Description	Code	Eff.	SFP	Q max	Lp	
		%	W/m³/h	m³/h	dB(A) @3m Breakout	
QBX200-1EC PLUS	001959	46,1	0,316	825	63	

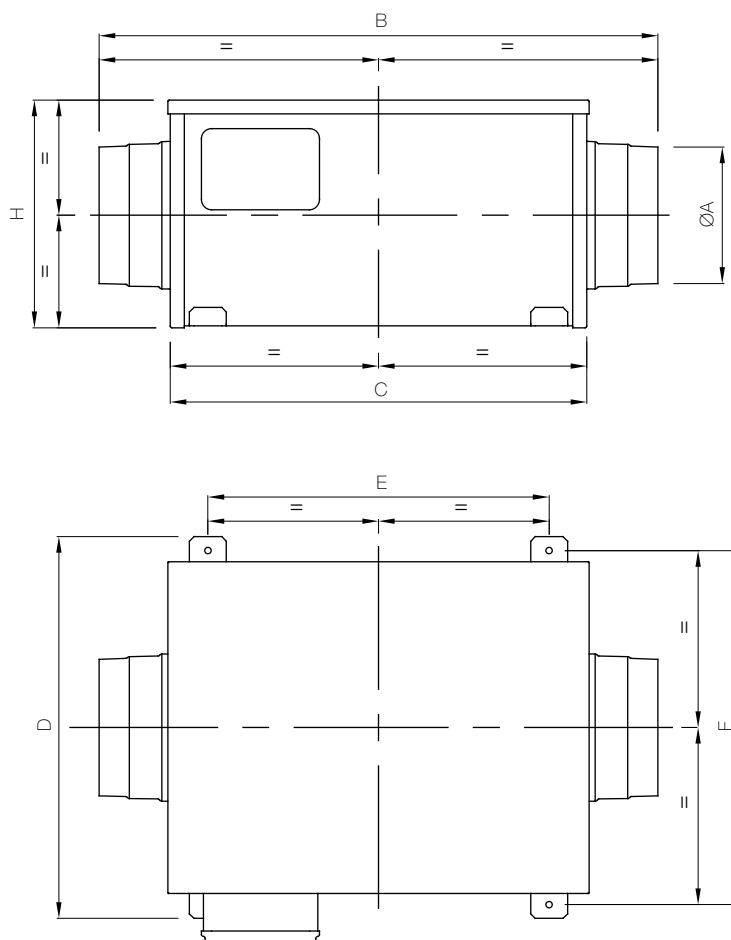


Data in accordance with Regulation 1253/2014 (ErP Directive). Product category is NRVU. Measurement category used to determine energy efficiency: D.

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	H	Weight
QBX125	125	606	452	416	370	384	247	9
QBX150	150	606	452	416	370	384	247	9,5
QBX200	200	542	455	416	370	384	255	10

Accessories

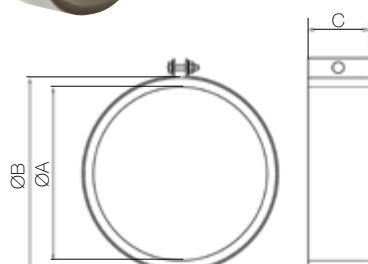
Description	 Clamp		 Flexible connector		 Backdraught damper		 Electric heater battery	
Page	100		101		101		101	
	Description	Code	Description	Code	Description	Code	Description	Code
QBX125-3V-1AC	018-125-CLAMP	000001	018-0125-FLEX	CTR00010	018-125-DAMPER	CTR00017	018-CV12-12-1M	004028
QBX150-3V-1AC	018-150-CLAMP	CTR00096	018-0150-FLEX	CTR00011	018-150-DAMPER	CTR00018	018-CV15-27-1M	004029
QBX125-1EC	018-125-CLAMP	000001	018-0125-FLEX	CTR00010	018-125-DAMPER	CTR00017	018-CV12-12-1M	004028
QBX150-1EC	018-150-CLAMP	CTR00096	018-0150-FLEX	CTR00011	018-150-DAMPER	CTR00018	018-CV15-27-1M	004029
QBX125-1ECPLUS	018-125-CLAMP	000001	018-0125-FLEX	CTR00010	018-125-DAMPER	CTR00017	018-CV12-12-1M	004028
QBX150-1ECPLUS	018-150-CLAMP	CTR00096	018-0150-FLEX	CTR00011	018-150-DAMPER	CTR00018	018-CV15-27-1M	004029
QBX200-1ECPLUS	018-200-CLAMP	CTR00094	018-0200-FLEX	CTR00013	018-200-DAMPER	CTR00020	018-CV20-30-1M	004031

Accessories

Description	 Panel filter		 Silencer L=300mm		 Silencer L=600mm		 Silencer L=900mm	
Page	102		60		60		60	
	Description	Code	Description	Code	Description	Code	Description	Code
QBX125-3V-1AC	018-0125-FILT-P	002445	068-0125-JF1	002450	068-0125-JF2	002456	068-0125-JF3	002462
QBX150-3V-1AC	018-0150-FILT-P	002446	068-0150-JF1	002451	068-0150-JF2	002457	068-0150-JF3	002463
QBX125-1EC	018-0125-FILT-P	002445	068-0125-JF1	002450	068-0125-JF2	002456	068-0125-JF3	002462
QBX150-1EC	018-0150-FILT-P	002446	068-0150-JF1	002451	068-0150-JF2	002457	068-0150-JF3	002463
QBX125-1EC PLUS	018-0125-FILT-P	002445	068-0125-JF1	002450	068-0125-JF2	002456	068-0125-JF3	002462
QBX150-1EC PLUS	018-0150-FILT-P	002446	068-0150-JF1	002451	068-0150-JF2	002457	068-0150-JF3	002463
QBX200-1EC PLUS	018-0200-FILT-P	CTR00089	068-0200-JF1	002453	068-0200-JF2	002459	068-0200-JF3	002465

Description	 Silencer L=1200mm		 3 speed selector		 Speed controller for EC motor	
Page	60		102		102	
	Description	Code	Description	Code	Description	Code
QBX125-3V-1AC	068-0125-JF4	002468	SEL-3V-P	003790	-	-
			SEL-3V-I 2M	003789	-	-
QBX150-3V-1AC	068-0150-JF4	002469	SEL-3V-P	003790	-	-
			SEL-3V-I 2M	003789	-	-
QBX125-1EC	068-0125-JF4	002468	SEL-3V-P	003790	CTRL-M-P	003682
			SEL-3V-I 2M	003789	CTRL-M-I 2M	003683
QBX150-1EC	068-0150-JF4	002469	SEL-3V-P	003790	CTRL-M-P	003682
			SEL-3V-I 2M	003789	CTRL-M-I 2M	003683
QBX125-1ECPLUS	068-0125-JF4	002468	SEL-3V-P	003790	CTRL-M-P	003682
			SEL-3V-I 2M	003789	CTRL-M-I 2M	003683
QBX150-1ECPLUS	068-0150-JF4	002469	SEL-3V-P	003790	CTRL-M-P	003682
			SEL-3V-I 2M	003789	CTRL-M-I 2M	003683
QBX200-1ECPLUS	068-0200-JF4	002471	SEL-3V-P	003790	CTRL-M-P	003682
			SEL-3V-I 2M	003789	CTRL-M-I 2M	003683

Clamp

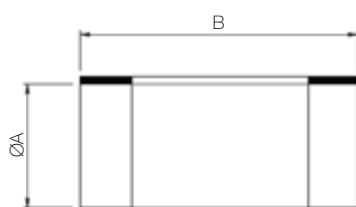


- Made from galvanised steel with foam lining.
- For quick connection of fan to circular rigid or flexible duct or accessories.

Description	ØA	ØB	C	Weight (kg)
018-125-CLAMP	117	141	70	0,29
018-150-CLAMP	142	166	70	0,33
018-200-CLAMP	192	216	70	0,42

Dimensions in mm

Flexible connector



- Made from PVC coated polyester with galvanised sheet steel.
- To be fitted directly to the fan spigot to provide flexible connection between fan and accessory or duct.

Description	ØA	B	Weight (kg)
018-0125-FLEX	125	150	0,2
018-0150-FLEX	150	150	0,2
018-0200-FLEX	200	150	0,3

Dimensions in mm

Backdraught damper

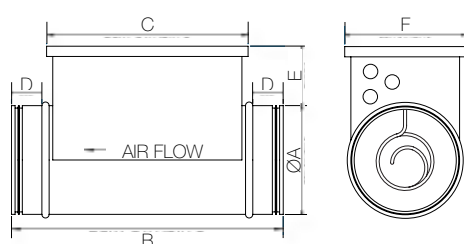


- Made from galvanised steel.
- Provided with spring operated blades.
- To prevent reverse flow of air when fan is not operating.

Description	ØA	B	C	Weight (kg)
018-125-DAMPER	125	90	100	0,3
018-150-DAMPER	150	90	110	0,3
018-200-DAMPER	200	125	150	0,6

Dimensions in mm

Electric heater battery

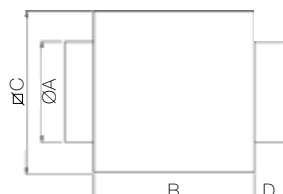
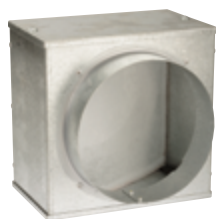


- Aluzinc-coated steel casing.
- Stainless steel heater elements.
- Complete with automatic and manually overheating protections.
- IP43 protection class.
- Leakage class C according to EN15727.
- External regulator or sensor on request.

Description	kW	Posit.	Fase	Airflow @ m³/h		ØA	B	C	Weight (kg)
				min	max				
018-CV12-12-1M	1,2	1	1	90	266	125	80	400	2
018-CV15-27-1M	2,7	1	1	125	382	150	80	400	3
018-CV20-30-1M	3	1	1	227	680	200	80	400	4

Dimensions in mm

Panel filter



- Galvanised steel casing complete with G3 filter media.
- Removable panel to access to the filter.

Description	ØA	B	ØC	D	Weight (kg)
018-0125-FILT-P	125	155	200	50	2
018-0150-FILT-P	150	155	250	50	2
018-0200-FILT-P	200	155	250	50	2

Dimensions in mm

3 speed selector



- 3 speed selector with front selection knob, including off position.
- 230V~ 50/60Hz.
- Available for surface (REL-1A-P) or recessed mounting (REL-1A-I 2M).
- 3 modules recessed installation kit suitable for 503 box on request (KIT 3 MODULI DA INCASSO cod. 001535).

Description	max Amp	H	L
SEL-3V	3	80	80

Dimensions in mm

Speed controller for EC motors



- 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).
- 3 modules recessed installation kit suitable for 503 box on request (KIT 3 MODULI DA INCASSO cod. 001535).

Description	max Amp	H	L
CTRL-M	-	80	80

Dimensions in mm