



Exhaust centrifugal fan Box-D

ADVANTAGE OVER CONVENTIONAL VENTILATION SYSTEM

Box D Series is a perfect solution for exhaust applications where limited space is available behind false ceiling. These ventilation exhaust fans are compatible with Ø100 or 125 mm round (GSS Spiral/PVC) air ducts.

KEY CONSTRUCTION FEATURES

- Compact galvanized steel casing.
- Single-phase external rotor motor with built-in thermal overload protection and automatic restart.
- Equipped with ball bearings for longer service life (40000 hours).
- Dynamically balanced backward curve Centrifugal impeller.
- Front panel made of ABS plastic with a replaceable filter (easily removable type).
- The filter protects motor, impeller and air ducts against soiling.

- Spring-loaded back draft damper opened by air pressure from fan is integral part of unit in order to prevent back air flow.
- Connecting spigot is equipped with rubber seal.
- External terminal block for power supply.

MOUNTING

- The fan is installed between ceiling and false ceiling by fixing brackets supplied as a standard.
- Power is supplied to the fan through an external terminal box.
- Flexible air duct is fixed on fan spigot with a clamp.
- The fan is mounted between the floor framing and false ceiling with brackets. The distance from the floor framing to the false ceiling may range from 165 mm to 390 mm. The fan is connected to power mains through the external terminal block. Electric connections and installation operations must be in compliance with installation guidelines and wiring diagram.

OVERALL DIMENSIONS

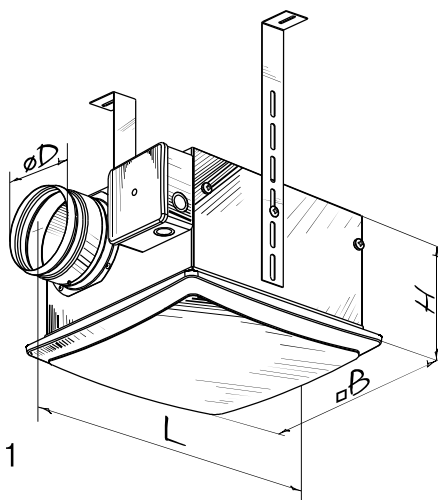


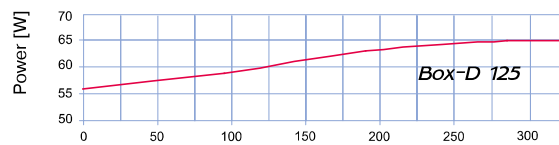
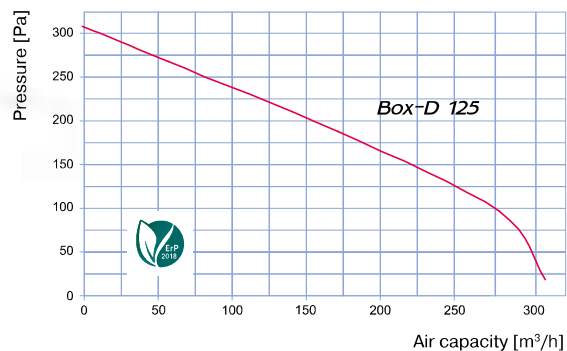
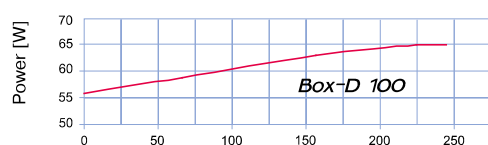
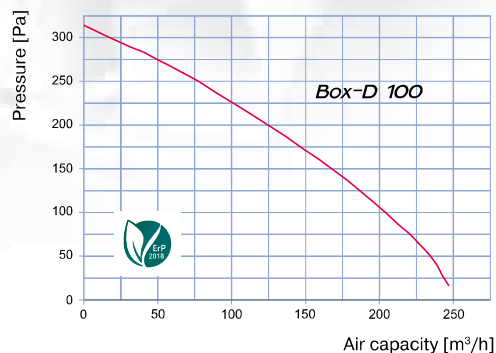
Fig. 1

Type	Dimensions [mm]				Weight [kg]
	D	B	H	L	
Box-D 100	100	240	160	305	3,2
Box-D 125	125	240	160	305	3,2



SPECIFICATIONS

Parameters	Box-D 100	Box-D 125
Voltage [V / 50-60 Hz]	1~230	1~230
Power [W]	61	61
Current [A]	0,26	0,26
Maximum air flow [m ³ /h (l/s)]	240	310
RPM [min ⁻¹]	2500	2500
Sound pressure level at 3m [dBA]	47	48
Max. transported air temperature [°C]	-25 +50	-25 +50
Motor Protection	IP 44	IP 44
ErP	2018	2018



INSTALLATION EXAMPLE



Office Exhaust