



Sound-insulated centrifugal fan

Iso-B

Air capacity — up to 2150 m³/h

■ Use

- ❑ Supply and exhaust ventilation systems installed in premises with high requirements to the noise level.
- ❑ Compatible with Ø100 up to 315 mm round air ducts.
- ❑ Suitable for limited mounting space.

■ Design

- ❑ Galvanized steel casing internally filled with 30 mm thermal- and sound-insulating layer made of non-flammable foamed polyurethane.
- ❑ Connecting spigots are equipped with rubber seals.
- ❑ Fixing brackets for easy mounting.

■ Motor

- ❑ Two-pole external rotor asynchronous motor with centrifugal impeller and backward curved blades.
- ❑ The motor is installed on specially designed vibration-damping mounts to absorb vibration and noise.
- ❑ Equipped with ball bearings for longer service life.
- ❑ Integrated thermal protection with automatic restart.
- ❑ Dynamically balanced turbine.

■ Speed control

- ❑ Smooth speed control with an external thyristor controller or step speed control with an external auto transformer (both available upon separate order).

■ Mounting

- ❑ Mounting in any position.
- ❑ Fixed to wall or ceiling with a fixing bracket supplied as a standard.
- ❑ Flexible air ducts are fixed on fan spigots with clamps.
- ❑ Power is supplied through an external terminal box

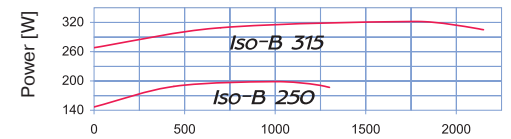
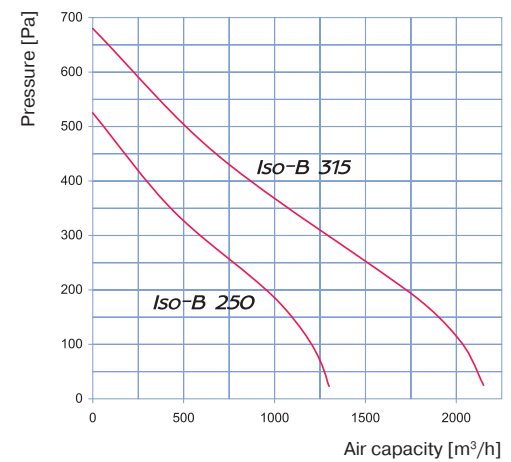
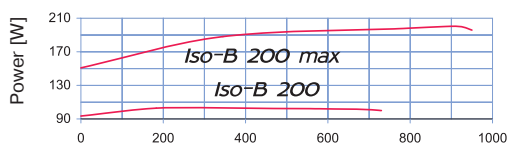
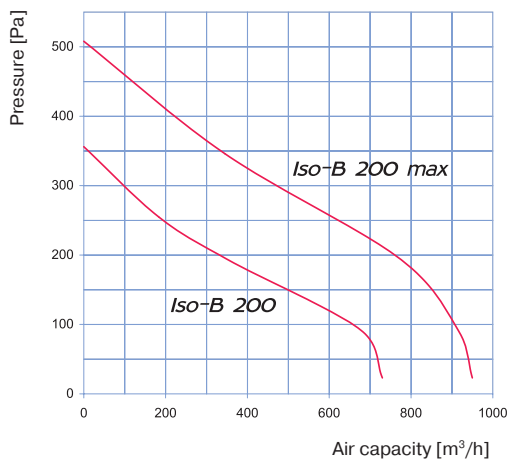
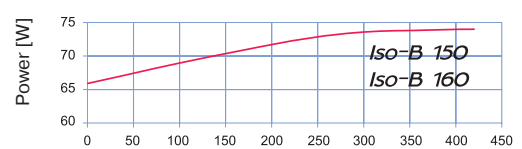
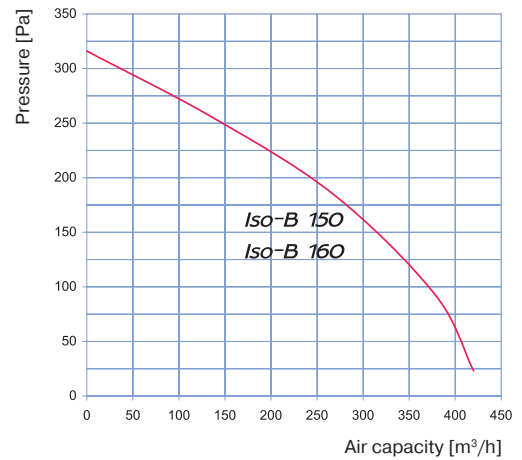
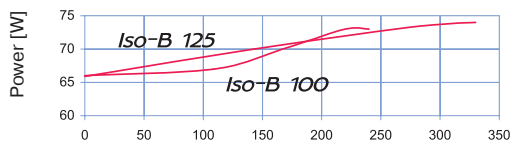
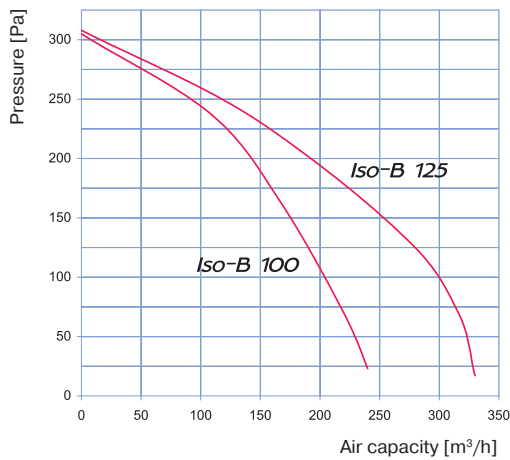
■ Modifications and options

- ❑ **G** – temperature and speed controller with external temperature sensor fixed on 4 m cable. The fan is equipped with a power cord with a socket or a plug (**G1**).
- ❑ **GI** – temperature and speed controller with a sensor built into the fan casing. The fan is equipped with a power cord with a socket or plug (**GI1**). G and GI options are used for automatic speed control depending on indoor temperature. The best ventilation solution for the premises requiring permanent temperature control as greenhouses, orangeries, etc.
- ❑ **W** – the fan is equipped with a power cord and a socket or plug (**W1**).
- ❑ **max** – high-powered motor.

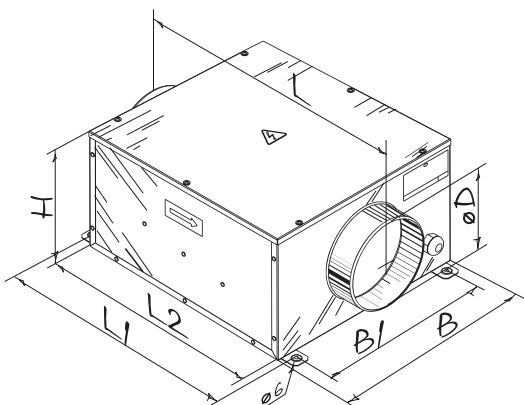
■ Specifications

Parameters	Iso-B 100	Iso-B 125	Iso-B 150	Iso-B 160	Iso-B 200	Iso-B 200 max	Iso-B 250	Iso-B 315
Voltage [V / 50 Hz]	230	230	230	230	230	230	230	230
Power [W]	73	73	72	75	103	195	198	322
Current [A]	0,32	0,32	0,32	0,33	0,45	0,85	0,87	1,40
Maximum air capacity [m ³ /h]	240	330	420	420	730	950	1300	2150
RPM [min ⁻¹]	2560	2590	2600	2690	2550	2570	2420	2670
Sound pressure level at 3 m distance [dBA]	33	35	36	36	38	41	41	43
Max. operating temperature [°C]	-25 +55	-25 +55	-25 +55	-25 +55	-25 +50	-25 +45	-25 +50	-25 +45
Ingress protection rating	IP X4	IP X4	IP X4	IP X4	IP X4	IP X4	IP X4	IP X4

Specifications



Overall dimensions



Type	Dimensions [mm]							Weight [kg]
	øD	B	B1	H	L	L1	L2	
Iso-B 100	99	322	280	192	447	380	350	5,4
Iso-B 125	124	322	280	192	447	380	350	5,4
Iso-B 150	149	352	310	212	477	410	380	6,4
Iso-B 160	159	352	310	212	477	410	380	6,4
Iso-B 200	199	432	368	287	588	506	480	10,0
Iso-B 200 max	199	432	368	287	588	506	480	12,0
Iso-B 250	249	432	368	287	588	506	480	12,5
Iso-B 315	314	502	438	397	648	566	540	15,5