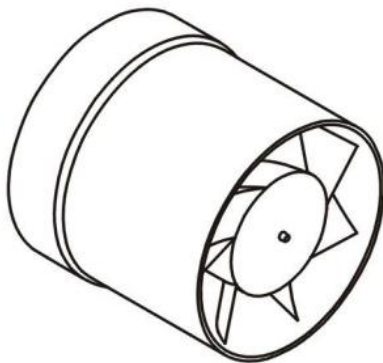


In-line Duct Ventilation Fan Operating Instructions

IDM



1. PRODUCT INSTRUCTION

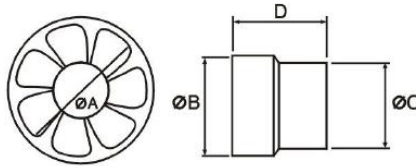
The in-line duct ventilation is the latest product based on the advanced technology, utilizing high-grade plastics, impeller and reasonable design of flowing tunnel, concealed installation, lead to effect of increasing pressure. This ventilator has the advantages of modern design, small volume, low noise, big air flow volume, steady operation, extensively applied to houses, shopping malls, restaurants, hotels, entertainment places, which is accessory of air conditioning unit to increase the air flow exchange frequency.

1.1 Technical Parameters

Model	Rated Voltage	Rated Frequency	Rated Power	Air Volume
IDM100	~220 V	50Hz	12 W	130 m ³ /h
IDM125	~220 V	50 Hz	16 W	240 m ³ /h
IDM150	~220 V	50 Hz	18 W	320 m ³ /h

EN

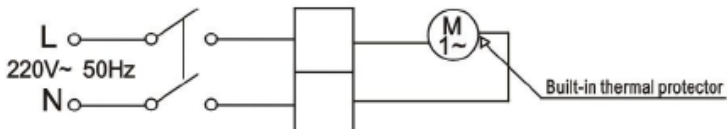
1.2 Product Dimension



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Model	A	B	C	D
IDM100	ø100 mm	ø104 mm	ø 98 mm	88 mm
IDM125	ø120 mm	ø128 mm	ø123 mm	88 mm
IDM150	ø150 mm	ø154 mm	ø148 mm	108 mm

2. WIRING DIAGRAM



3. INSTALLATION

3.1 Correct connect the power line of the exhaust fan with electrical circuit.

3.2. Connect the two individual sides with pipelines, tighten them with clamp band.

3.3 When starting the exhaust fan, please check if there are any following malfunctions.

(1) If the impeller works well.

(2) if there is any strong vibration or strange noise.

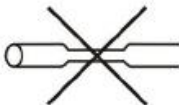
3.4 If there is no malfunction as declared above, please shut down the fan, mount connecting box.

3.5 The pipeline connection as showed below is not allowed.

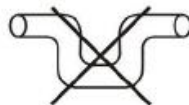
Notes:



Excessive bending angle



Reduce the diameter
of the junction part



Too many bending parts

4. CAUTIONS

4.1 The distance between the ceiling and exhaust fan should be above 5cm.

4.2 The height of the exhaust fan installation: at least 2.3m above the ground.

4.3 Avoid installing the exhaust fan in damp or high-temperature area, and avoid poisonous gases entering the pipelines.

4.4 A multi-pole switch must be used to install the appliance. The gap between switch contacts must be no less than 3mm.

4.5 In general, the exhaust fan is controlled by switch, try to reduce the switch use as far as possible, if the fan is off for a long time, you'd better shut down the bipolar switch.

4.6 Provide an inspection hole in the ceiling and inlet hole for fresh air flowing in the room.

4.7 Avoid the back-flow through the opening pipeline.

4.8 If the electrical source soft line is damaged, it must be changed with the special soft line or soft line provided by the manufactory or maintenance department. To avoid any danger, it must be replaced by a qualified person.

4.9 This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

5. MAINTENANCE

5.1 Before cleaning please switch off power at first, then dismount exhaust fan.

5.2 Washing the plastic parts in water of which temperature is below 60°C, never in chemical solvent such as petrol, benzene. Don't allow water enter into motor.

5.3 Dry the cleaned parts by itself or soft dry cloth, then reset the parts.

6. WARRANTY REGULATIONS

6.1 The quality guarantee of the motor is 2 years.

6.2 Within the guarantee years, any arising malfunctions under correct operations will be repaired and replaced free.

6.3 Carry out lifelong maintenance, if exceed the guarantee time, should pay for the parts and materials.

6.4 The following cases is not in the range of free maintenance.

- * Use or exchange the parts made by other companies.
- * Wrong operation or artificial factors.
- * Operation under extreme environment or do not use for a longtime.

INDICATION: THE PRODUCER RESERVES THE RIGHT TO CHANGE THE SPECIFICATIONS WITHOUT NOTICE.**EN**

Pursuant to European Directive 2002/96/EC and the Act on waste electrical and electronic equipment, this device upon its decommissioning should not be disposed of together with other household waste. The user is required to deliver the device to the electrical and electronic equipment recycling collection centre.

