

Maintenance



When maintaining and cleaning this product, please turn off the power switch first to ensure that the power is turned off to prevent accidental electric shock.



Never use chemicals to clean this product



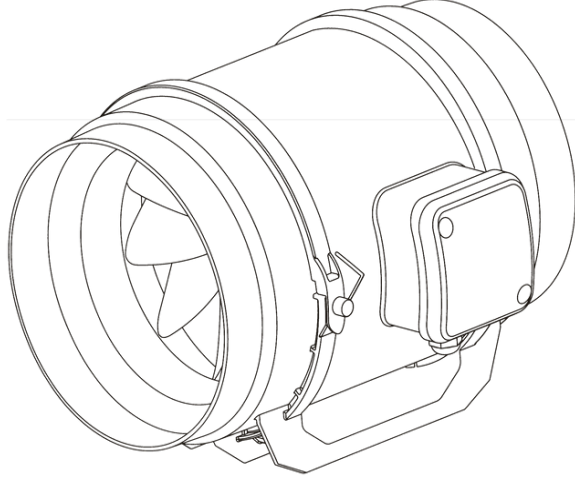
Use a brush or vacuum cleaner to remove dust inside the body.



Do not allow motors or other electrical appliances to enter the water, and do not allow plastic parts to enter the water at a height of 60 degrees.

Note: If the power cord is damaged, in order to avoid danger, it must be replaced by a professional from the manufacturer, its maintenance department or similar department.

This product is not suitable for persons with disabilities, intellectual disabilities or mental disabilities, and those lacking experience and common sense (including children) for maintenance and use, unless they are used under the care or guidance of a guardian.



USER'S MANUAL

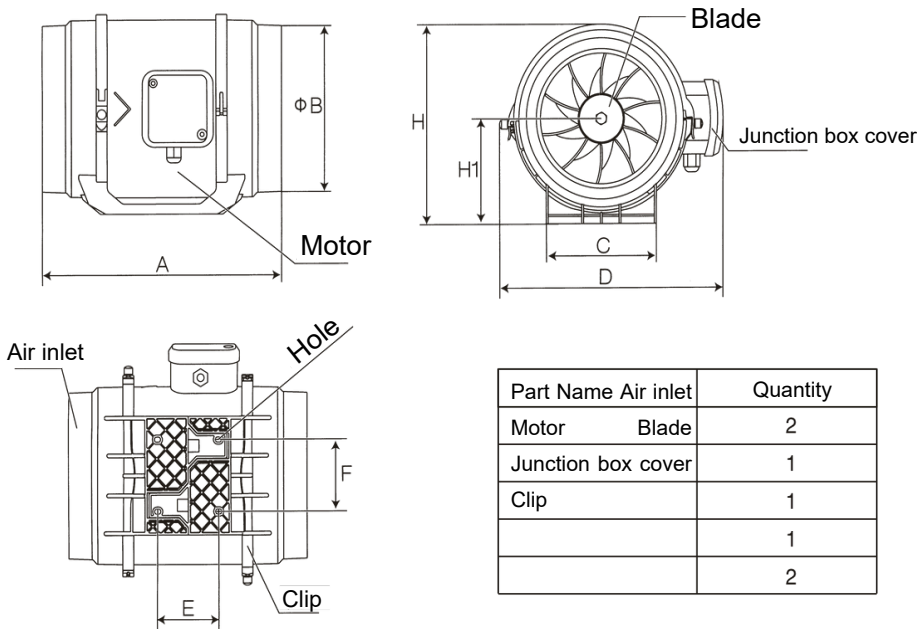
Mixed Flow Inline Duct Fan

● Please read this manual carefully before use

Product overview

Mixed flow inline duct fan, withlow noise, high air volume and high static pressure, have the advantage of being more suitable for most ventilation applications than axial and centrifugal fans. In terms of design, the motor of the fan unit is easy to install, remove and clean. The motor and fan blade can be disassembled without removing the entire fan product or the duct, and the connection is convenient, which can be used for the maintenance of the closed space. In terms of installation, it can be installed at any end of the pipe and at any angle, and the fans can be installed in parallel to increase the air volume or in series to increase the pressure. It is widely used in hotels, department stores, entertain- ment places and residential buildings for ventilation.

Product parts name & size



Model	Product Size (Unit: inch)								
	A	φ B	C	D	E	F	G	H	H1
AIMF-100	11.81	4"	3.94"	8.43"	2.44"	2.36"	.28 × .20	7.17	3.74
AIMF-125	11.81	5"	3.74"	8.43"	3.15"	2.36"	.28 × .20	7.48	3.74
AIMF-150	11.54	6"	4.72"	9.33"	2.83"	2.76"	28 × .20	8.31	4.33
AIMF-200	11.97	8"	5.51"	10.16"	3.07"	3.35"	.31 × .24	9.25	4.88
AIMF-250	15.08	10"	7.09"	11.73"	4.69"	3.62"	.43 × .31	11.46	5.98
AIMF-315	16.26	12"	8.66"	14.33"	5.00"	5.51"	.43 × .31	14.13	7.44

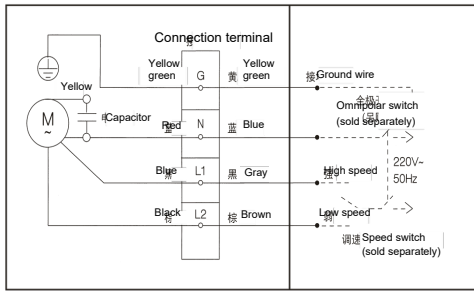
Note: If the design is changed, the data in the above table will be changed without prior notice. The exact size is subject to the actual product.

Specifications

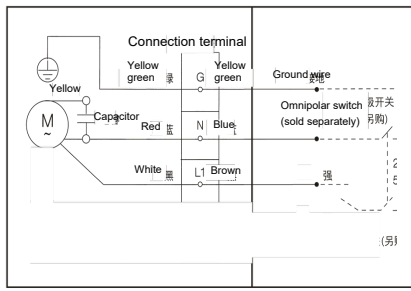
Model	Voltage (V/Hz)	Current (A)	AirFlow	Power (w)	Air Pressure (Pa)	Noise (dB)	Size φ	Reference area (ft2)	Weight (lb)
AIMF-100	110/60	0.2/0.174	165	46	180/130	30/25	3.9 / 4.9	886 – 172	4.0
AIMF-125	110/60	0.2/0.174	182	60	240/190	32/27	4.9	86 – 194	4.4
AIMF-150	110/60	0.31/0.264	335	70	300/250	35/30	5.9 / 6.3	194 – 388	4.9
AIMF-200	110/60	0.42/0.409	589	110	350/280	50/45	7.9	366 - 839	6.8
AIMF-250	110/60	0.812/0.65	942	187	550/400	60/54	9.8	452 - 904	15.4
AIMF-315	110/60	1.33/1.1	1,472	230	700/500	66/61	12.4	646 - 1292	21.4

Note:The performance valueisthecenter value of the company's test results. The applicable area is calculated according tothenumber ofnecessaryair changes per hour in the general living room of 5-10 times

Circuit drawing



Note: Parallel connection of L1 and L2 is prohibited.



Installation

Installation Precautions

- Forbidden to install in high temperature places
- Avoid installing in places with too much oil smoke or steam
- Please set up ventilation and inspection ports
- Installation height above 2.3 meters
- Pipe connections are prohibited in the following situations
- Must install tightly.
- Do not directly spray or clean the product with water or other liquids, otherwise it may cause short circuit or electric shock.
- It is forbidden to install the product outdoors, otherwise it may cause malfunction.
- When connecting with the power supply line, an omnipolar power switch with a contact distance of >3mm must be installed on the power supply line, and the connection should be made according to the local electrical equipment technical regulations.
- Backflow of gas into the room from open air passages or other open flame equipment must be avoided.
- There must be a grounding device, otherwise, in the event of a fault or leakage, electric shock may occur.

Fan body installation

1.Fix the base with screws

2.Connect the air duct and install the fan unit on the base

3.Fasten the buckle and fix the buckle with the screw by hand

4.Connect the power cord and turn on the power switch to confirm that the operation is not abnormal, and the installation is completed.