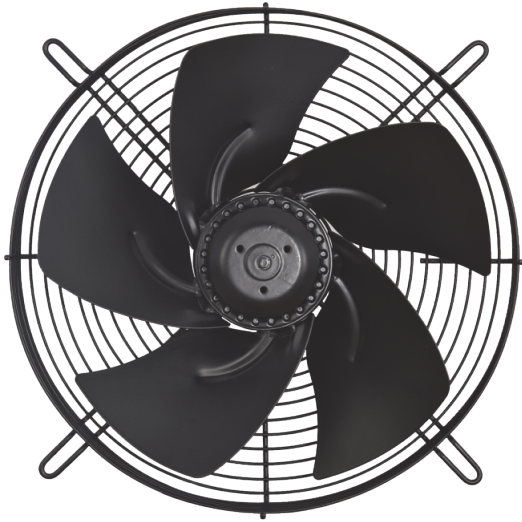


Model:YWF(K)4D315-Z-B5A

Fan type:AC Axial fan



Manufactory:Zhejiang MingZhen Electric & Electronic Co., Ltd.

ADD:The Central Industry Zone, Chengnan Town,
WenLing City, Zhejiang Province, China

TEL:0086-576-86268888

FAX:0086-576-86268020

Mail:info1@cnsanmu.com

WEB:http://www.cnsanmu.com

Fan Introduction

This product consist of outer rotor(AC)motor, axial impeller, with features of compact structure, convenient installation, reliable operation, low noise, energy saving etc..

Scope of application

General purpose fan, can be widely used in purification of air conditioning systems, ventilation duct dust, environmental protection, refrigeration equipment and other fields.

Environmental requirements

- Operating ambient temperature range:-35℃~+65℃
- Working environment humidity range:≤90%
- Transportation and storage temperature range:-40℃~+80℃
- Transportation and storage environment humidity range:≤80%
- The storage place is well ventilated, corrosive gases not contained.

Model:YWF(K)4D315-Z-B5A

Fan type:AC Axial fan

Design, manufacturing, testing standards and certification

- JB-T10562 Technical specification for general purposes axial fans
- GB/T 14711 General safety requirements for Medium and small rotary motor
- GB/T 755/IEC60034-1 rotary motor quota and performance
- GB 4706.32-2012/IEC 60335-2-40:2005 Household and similar electrical appliances - Safety - Part 2-40: Particular requirements for electrical heat pumps, air-conditioners and dehumidifiers
- The level of balance is in accordance with ISO 1940, G6.3
- Vibration testing and velocity is performed according to JB/T8689.
- This product is certified by China CCC and EU CE
- ISO 9001 quality system certification

Technical features

Mass	3.3 kg
Size	φ315 mm
Impeller material	cold rolled sheet steel
Direction	Blow(Seen from cable exit)
Protection class	IP54
Insulation class	F
Mounting	Shaft horizontal or rotor on bottom; rotor on top on request
Mode of operation	S1(Continuous operation)
Bearings	Maintenance-free ball bearings
Thermal protector	Can be built in or out of line according to requirements

Structures

Blades count	5
Impeller type	Conventional welding blade
Attachment	Hight Concave Guard Grille

Technical parameters

Supply	3P,342~418V
Frequency	50 Hz
Motor poles	4

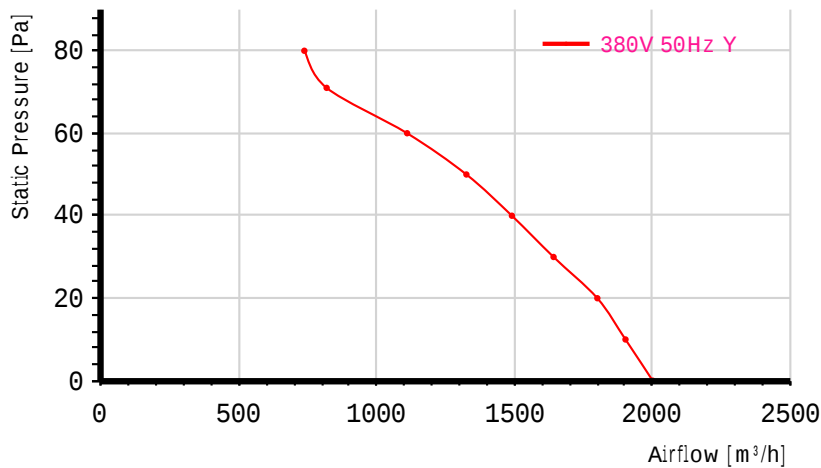
Model:YWF(K)4D315-Z-B5A

Fan type:AC Axial fan

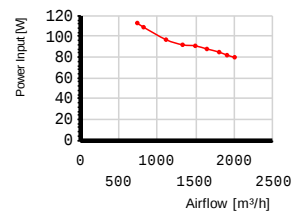
Rated voltage	380 VAC
Power input	110 W
Rated current	0.25 A
Rated speed	1400 r/min
Max airflow	2000 m³/h (Static pressure=0Pa)
Acoustic	60 dB(A) measured at 1.0m from inlet side

Performance curve

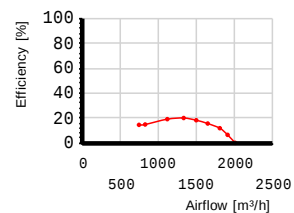
Airflow curve



Power input curve



Efficiency on static pressure



Performance test with reference to GB/T 1236-2017, equivalent to ISO 5801

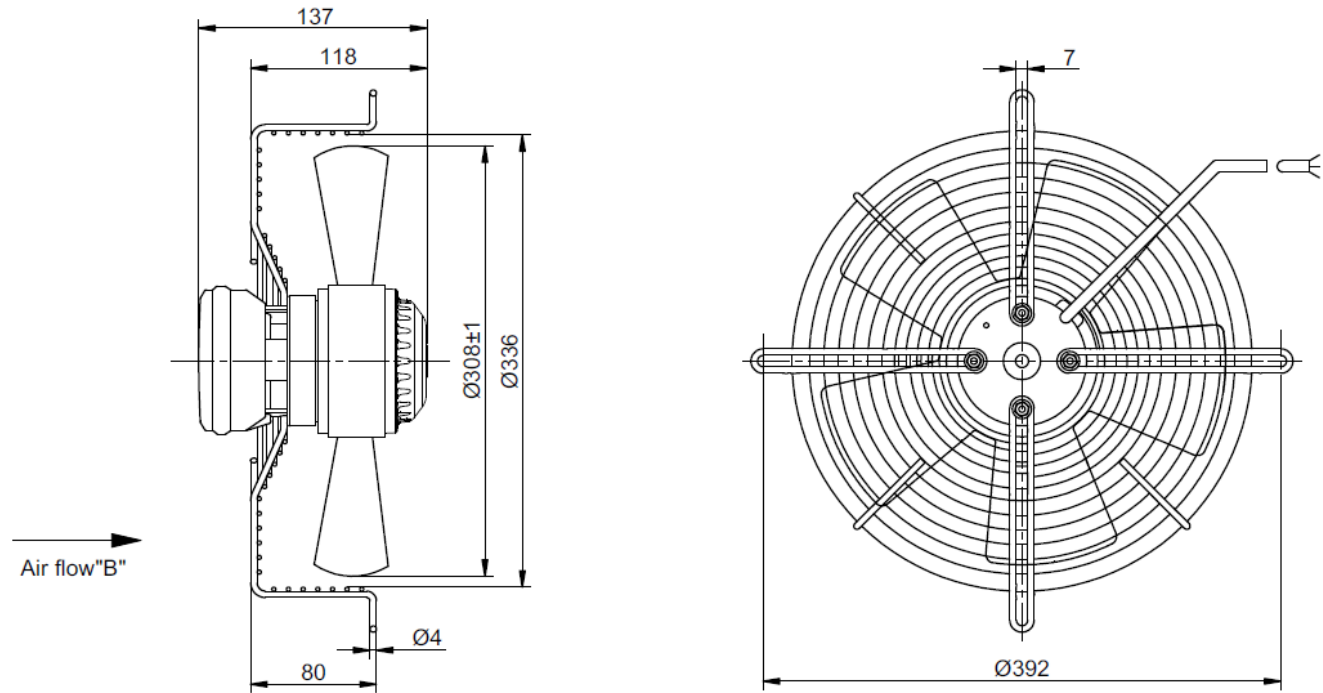
TestID			2017090625			Connection			Y		
Test environment											
Outlet size		Outlet area		Temperature		Humidity		Baropressure		Density	
315mm		0.0779m²		33℃		64%		100.7kPa		1.2kg/m³	
Test data											
Voltage	Frequency	Speed	Power input	Current	Airflow	Static pressure	Dynamic pressure	Total pressure	Pressure Difference	Nozzle Size	
V	Hz	r/min	W	A	m³/h	Pa	Pa	Pa	Pa	mm	
381.7	50	1333	113	0.24	737	80	4	84	80	150+189*0	
381	50	1343	109	0.24	818	71	5	76	99	150+189*0	
381	50	1371	97	0.23	1110	60	9	69	181	150+189*0	
379.8	50	1381	92	0.23	1325	50	13	62	257	150+189*0	
380.7	50	1385	91	0.23	1490	40	16	56	324	150+189*0	
379.7	50	1184	88	0.23	1641	30	19	50	393	150+189*0	
378.1	50	1396	85	0.22	1800	20	23	43	472	150+189*0	
378.6	50	1195	82	0.22	1902	10	26	36	527	150+189*0	

Model:YWF(K)4D315-Z-B5A

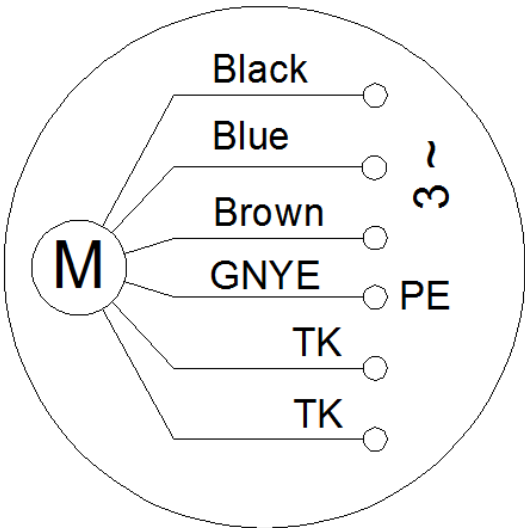
Fan type:AC Axial fan

380.4	50	1410	80	0.22	2001	0	29	29	582	150+189*0
-------	----	------	----	------	------	---	----	----	-----	-----------

Dimensions(in mm)



Wiring diagram



Model:YWF(K)4D315-Z-B5A

Fan type:AC Axial fan

Attentions

- ★Please check the appearance and the accessories if there is no damage before use, check the model is consistent with requirements;
- ★Keep reliable grounding according to the wiring diagram. to avoid motor burning and personal accident, please check wiring is loose or fall off;
- ★For AC fans powered by three-phase supply, please confirm the power connection phase sequence before use to ensure that the motor rotation direction is consistent with the marked rotation direction (the motor rotation direction can be changed by reversing any two-phase phase sequence of the power supply);
- ★Before connect the power supply, check whether the motor is reliable, otherwise it will cause motor damage and personal injury;
- ★It is forbidden to pull the power cable, if the power cable is damaged, to be repaired before use, to avoid the accident of electric shock;
- ★Drop or impact motor is forbidden;
- ★Washing motor with water is prohibited, it will reduce the motor insulation level, even lead to electric leakage even endanger personal safety;
- ★Special customized product is designed for specified requirements, please consult with our engineers before change useage;
- ★The temperature of the motor shell may be higher in a short time after the fan stopped, Please avoid direct contact with the motor surface. If necessary, please take protective measures to prevent scald;
- ★Do not contact the impeller when the fan running, you need to wait for all the parts stopped before operate it;
- ★When the fan is installed, check and ensure thers is no debris in the shell and other shell body, keep the fan clean;
- ★After the fan installation complete, before connected to supply, please confirm that there is no collision or interference or stuck.

Model:YWF(K)4D315-Z-B5A

Fan type:AC Axial fan

Product life and maintenance, warranty

- The design life of this product is 40,000 hours. This data is derived from the expected life of L10 for general ball bearings at 40℃ is 40,000 hours. The actual service life of the product is affected by the use environment (temperature, humidity, installation, bearing load, etc.).
- According to the use of the environment, please make a clean maintenance every 3~6 months.
- From the date of purchase (order delivery date), The warranty period is one year. During this period, for failure due to the quality of the product itself, we provide free replacement or repairing. If the damage caused by improper disassembly, transportation, artificial damage or natural disasters, etc., is not in the scope of this warranty;