SPECIFICATION

MODEL
K-AC160-D380-A01

1. This specification provides part specific requirements and the EngineeringStandard and/or Engineering requirements.
2. Engineering standard and safety regulations

2.1 Engineering standard

2.1.1 GB/T 12350 Safety requirements of small-power motors

2.1.2 JB/T 10563 Technical specification for general purposes centrifugal fans

2.1.3 EN 60335-1 Safety of household and similar electrical appliances

2.2 Certification

□CE-EMC □TUV ■CCC □Others

2.3 All material accord with RoHS.

3. Operating environment requirements

3.1 Operating temperature and humidity

Operating temperatures from -20°C to +50°C, Operating humidity from 5% to 85% RH.

3.2 Storaging temperature and humidity

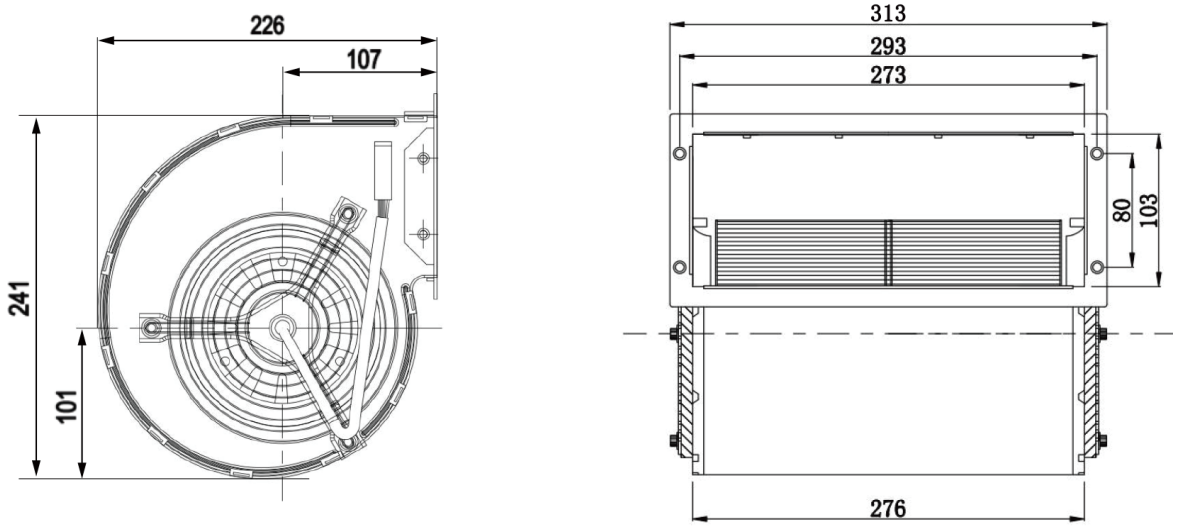
Storaging temperatures from -25°C to +75°C, Storaging humidity from 5% to 85% RH.

4. Weight: about 10.5kg/pcs
5. Prote ction

This motor with heat protection, cut off temperature: 125°C-135°C,replacement tempera ture:65°C-95°C.

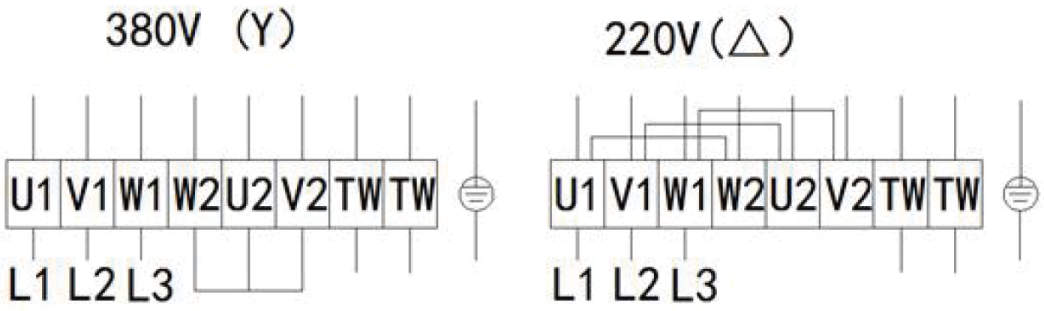
6. Mechanical requirements

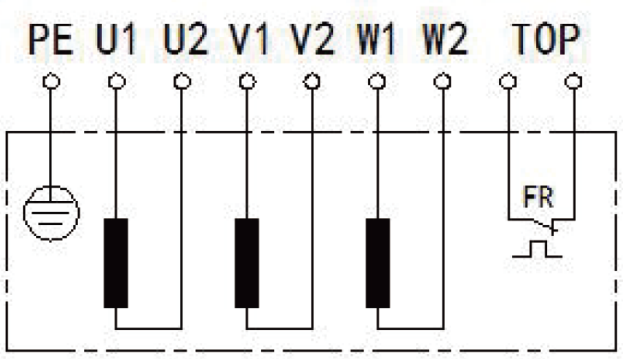
6.1 Dimension drawing



Frequency

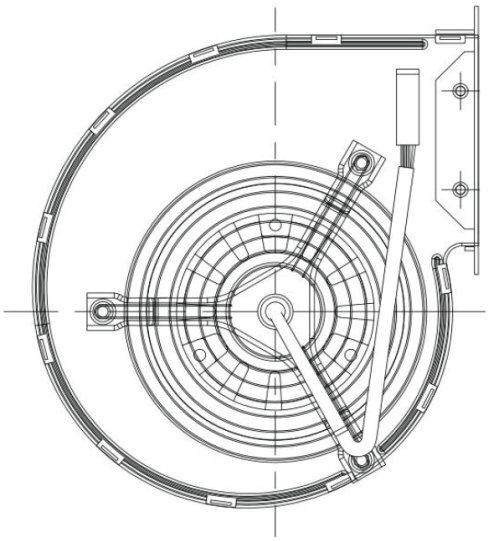
6.2 View lead connection





PE=Yellow/Green
U1=Brown
U2=Red
V1=Blue
V2=Grey
W1=Black
W2=Yellow

6.3 Installation direction description



The fan adopt shaft horizontal installation style.

6.4 Impeller

Impeller made of galvanized sheet steel.

6.5 Balancing

When the fan is running at 2700±10%r/min, the dynamic balance accuracy of each end side is not lower than the balance quality grade G6.3.

6.6 Motor type of protection

Ingress protection class is IP00.

6.7 Life expe ctance

The life expectancy is 40,000 hoursat rated voltage, ambient temperature c 40°C, and continu ous operation of the fan at full speed (According to th actual working conditions of the prod uct, the life expectancy will b different).The warranty period is subject to the agreement agreed by bot parties.

7. Fan performance

7.1 Rating data

7.1.1Performance parameters of voltage 400YAC and frequency 50Hz

Voltage [VAC]	Frequency [Hz]	Current draw A (±10%)	Power input m (±10%)	Speed [r/min] (±10%)	(OPa)Airflow Ga/h (±10%)	Noise [Lp:dB(A)] (-7/+3)	Insulation class
400	50	1.3	708	2710	1570	75	F

7.1.2 Performance Parameters of voltage 230VAC and frequency 60Hz

Voltage [VAC]	Frequency [Hz]	Current draw A (±10%)	Power input m (±10%)	Speed [r/min] (±10%)	(OPa)Airflow Ga/h (±10%)	Noise [Lp:dB(A)] (-7/+3)	Insulation class
400	50	3.0	1045	3000	1755	77	F

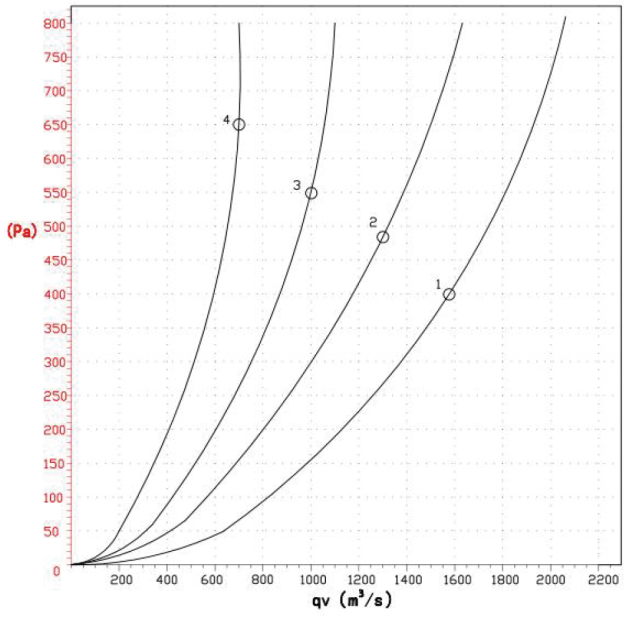
Note: the nominal parameter is under the following situation in Fans-tech lab:Fan runs in open operation.

The airflow is measured in the wind tunnel, the noise is tested in a horiZontal-position in the noise test room, with 1m distance to the air inlet of the fan.

This product is designed to operate at voltages from 230VAC z 400VAC and frequencies from 50HZ z60H

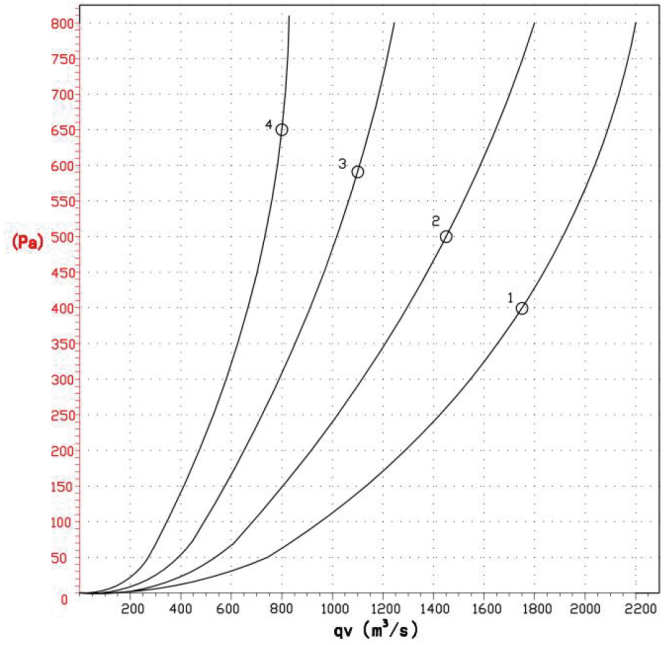
7.2 Performan ce curve

7.2.1Performance curve at voltage 400VAC frequency 50HZ



	U	F	N	Pe	I	qv	Pfs
	V	Hz	r/min	W	A	M^3/s	Pa
1	400	50	2710	690	1.25	1570	400
2	400	50	2790	525	1.02	1300	500
3	400	50	2840	430	0.92	970	575
4	400	50	2883	377	0.80	700	650

7.2.2 Performance curve at voltage 220VAC frequency 60HZ



	U	F	N	Pe	I	qv	Pfs
	V	Hz	r/min	W	A	M^3/s	Pa
1	230	60	3013	1030	2.93	1760	400
2	230	60	3110	872	2.51	1450	500
3	230	60	3268	652	1.93	1080	575
4	230	60	3310	503	1.52	780	650

8. Packaging and marks .

8.1 Packaging

The package must have a defined size and a suitable structure to ensure that the fan will not be damaged.