SPECIFICATION

MODEL
K-AC315-S400-15

1.Purpose

This specification provides part specific requirements and the Engineering Standard 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 All material accord with RoHS.

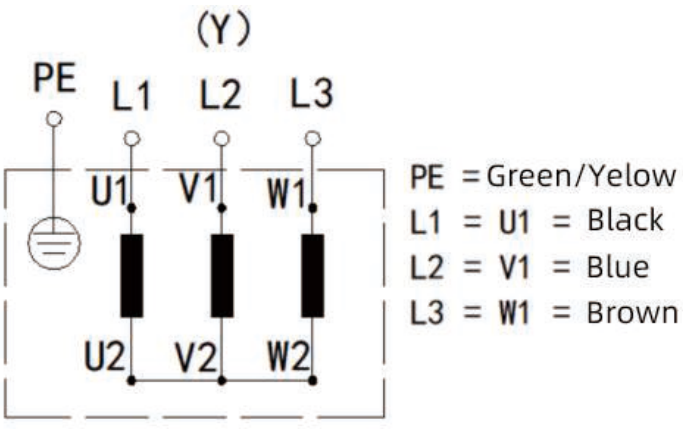
3.Product Usage Requirements

3.1 Operating environment requirements
3.1.1 Operating temperature and humidity
Operating temperatures from -40°C to +60°C, Operating humidity from 5% to 85% RH.
3.1.2 Storaging temperature and humidity
Storaging temperatures from -45°C to +75°C, Storaging humidity from 5% to 85% RH. 3.2
Weight: about 3.3kg/pcs
3.3 Protection(Optional)
This motor with heat protection, cut off temperature: 135°C-145°C, replacement tempera-ture:75°C-105°C.

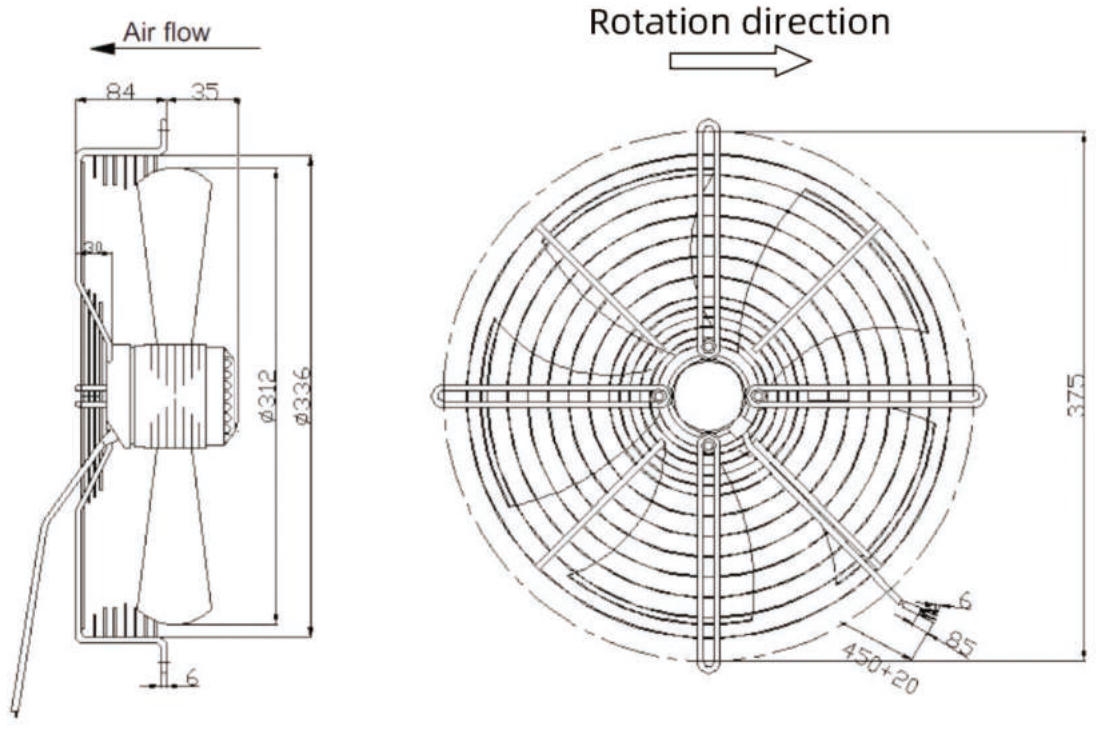
4.Mechanical requirements

4.1 Balancing
When the fan is running at 1300±10%r/min, the dynamic balance accuracy of each end side is not lower than the balance quality grade G6.3.
4.2 Motor type of protection
Ingress protection class is IP44.
4.3 Life expectance
The life expectancy is 40,000 hours at rated voltage, ambient temperature of 40 °C, and contin-uous operation of the fan at full speed (According to the actual working conditions of the prod-uct, the life expectancy will be different) .The warranty period is subject to the agreement agreed by both parties.

5.View lead connection



6.Dimension drawing



7.Fan performance

7.1 Rating data

7.1.1 Performance parameters of voltage 400VAC and frequency 50Hz

Voltage [VAC]	Frequency [Hz]	Current draw[A] (±10%)	Power input [W](±10%)	Speed [r/min] (±10%)	(100Pa) Air flow [m³/h] (±10%)	Insulation class
400	50	0.26	91	1380	2280	F

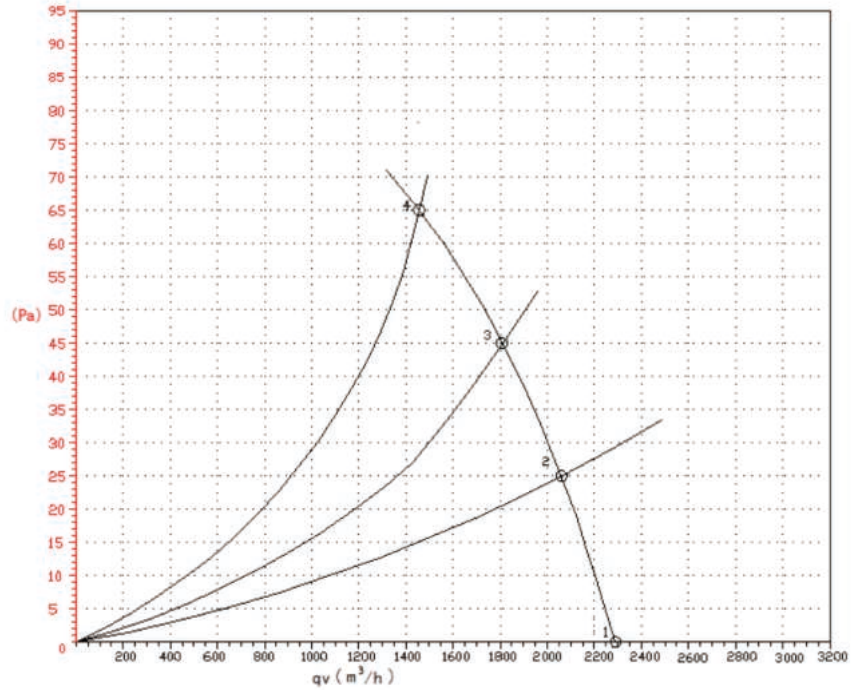
7.1.2 Performance parameters of voltage 400VAC and frequency 60Hz

Voltage [VAC]	Frequency [Hz]	Current draw[A] (±10%)	Power input [W](±10%)	Speed [r/min] (±10%)	(250Pa) Air flow [m³/h] (±10%)	Insulation class
400	60	0.24	115	1560	2580	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 400VAC and frequencies from 50Hz ~60H.

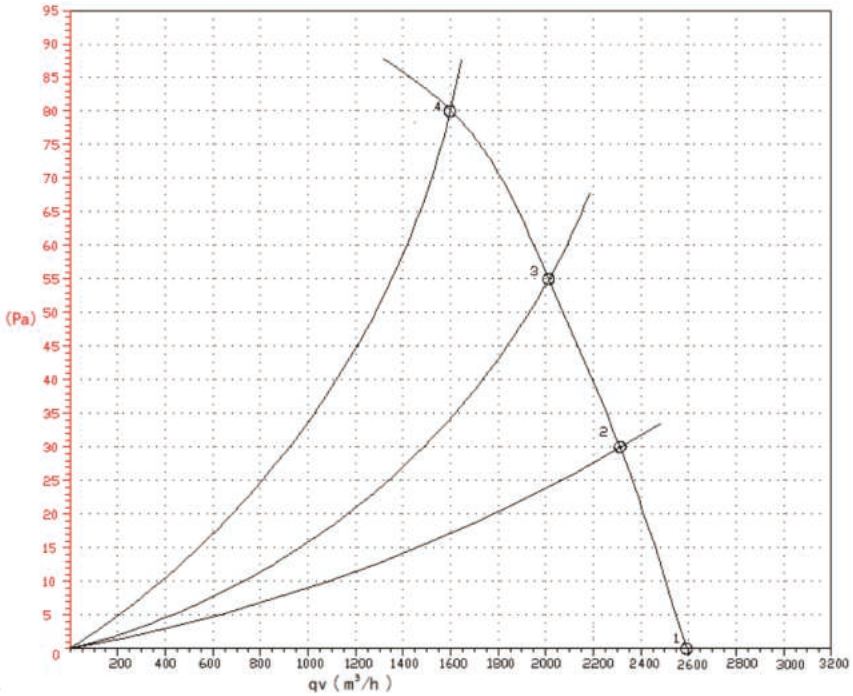
7.2 Performance curve

7.2.1 Performance curve at voltage 400VAC frequency 50Hz



	U	F	N	Pe	I	qv	Pfs
	V	Hz	r/min	W	A	M³/h	Pa
1	400	50	1380	91	0.26	2280	0
2	400	50	1366	97	0.26	2060	25
3	400	50	1357	102	0.27	1812	45
4	400	50	1340	107	0.27	1459	65

7.2.2 Performance curve at voltage 400VAC frequency 60Hz



	U	F	N	Pe	I	qv	Pfs
	V	Hz	r/min	W	A	M^3/h	Pa
1	400	60	1560	115	0.24	2580	0
2	400	60	1536	122	0.25	2315	30
3	400	60	1500	128	0.25	2020	55
4	400	60	1480	141	0.27	1595	80

8.Packaging and marks

8.1Packaging

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