

## EC400

### Backward Curved Centrifugal Fan

## Description

Ec motor powered backward-curved centrifugal fan with 400 mm diameter, with maximum air volume up to 5800 m<sup>3</sup>/h and static pressure up to 850 Pa.

This external rotor has a compact structure, operates reliably and is both energy saving and efficient.

It is designed with low noise, a long service life, and is easy to install.

This product also meeting ErP energy efficiency requirements, it is easier to control the fan with a progressive control 0-10v and flexibly meet customers control requirements.

## Construction

### IMPELLER/MOTOR

Rotor material: carbon steel

Impeller material: aluminum alloy

Ingress protection: IP54

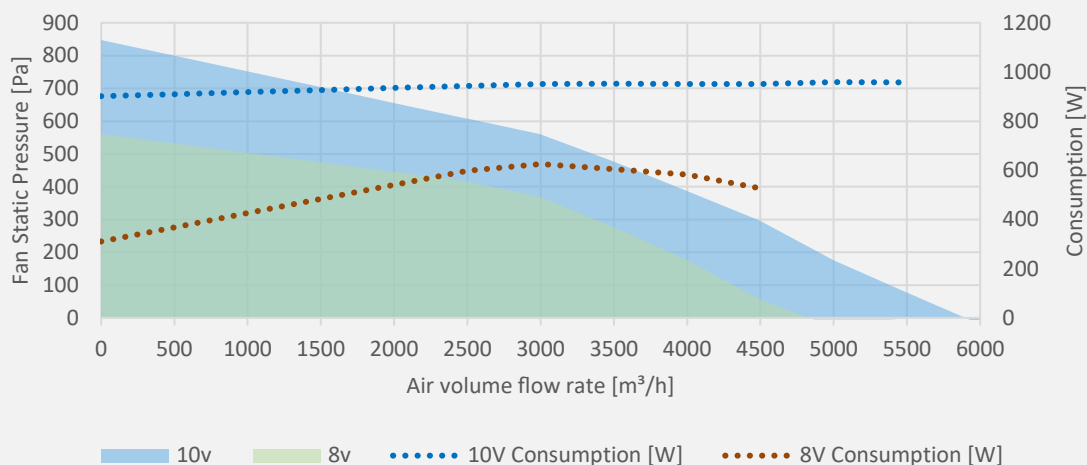
Insulation Class: F

Bearing maintenance: maintenance free

### MOTOR SUPPORT

Material: galvanized steel painted

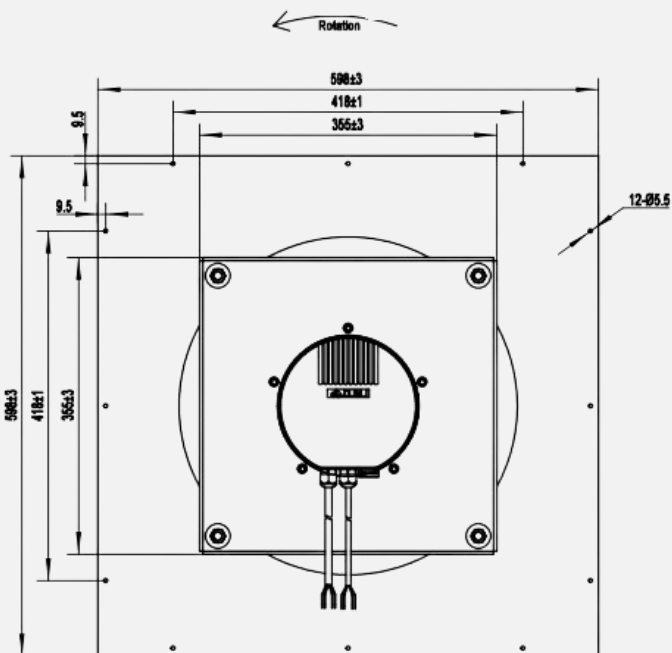
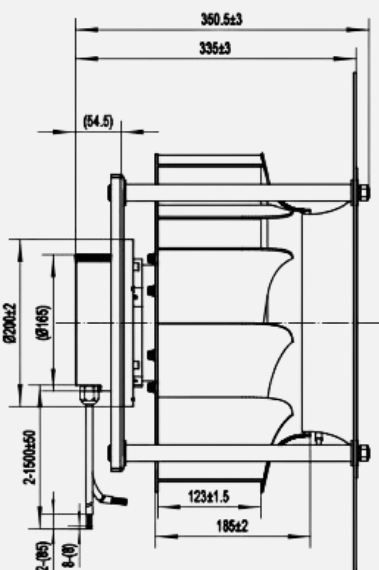
# Performance



# Nominal Data

Model No.	EC400	
<b>Voltage</b>	VAC	3~380
<b>Frequency</b>	Hz	50/60
<b>Speed</b>	RPM	1900 ± 10%
<b>Input Power</b>	W	880 ± 16%
<b>Current</b>	A	1,5 ± 16%
<b>Working Temp.</b>	Min/Max(°C)	-20/+60
<b>Noise</b>	dB (A)	≤ 85
<b>Control Methods</b>	V.DC	0-10V
<b>Power Output</b>	V.DC	+10V
<b>Life</b>	Hr	≥ 40000
<b>Protection Function</b>	Over Temperature	
	Over Current	
	Locked Rotor Protection	
	Lack Voltage Protection	
	Over Voltage Protection	

# Dimensions

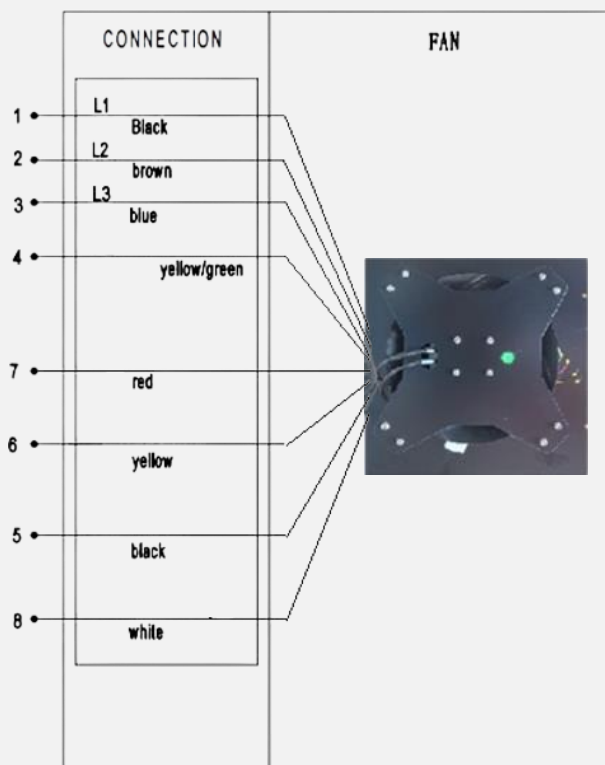


WEIGHT 20,5Kg

DIMENSIONS [MM]

# Connection

Model No.	Number	Signal	Input	Color
EC400	1	L1	AC380v/50Hz-60Hz	Black
	2	L2	AC380v/50Hz-60Hz	Brown
	3	L3	AC380v/50Hz-60Hz	Blue
	4	PE	EARTH	Yellow/Green
	5	GND	GND	Black
	6	Vsp	0-10V/PWM	Yellow
	7	Vcc	10V	Red
	8	FG	Pulse/R	White



# AIRWIDE

AIR QUALITY SYSTEMS