

## Product Specification

Type	AC Forward Centrifugal Fan
Model	BL-F140A-2E-C01-01

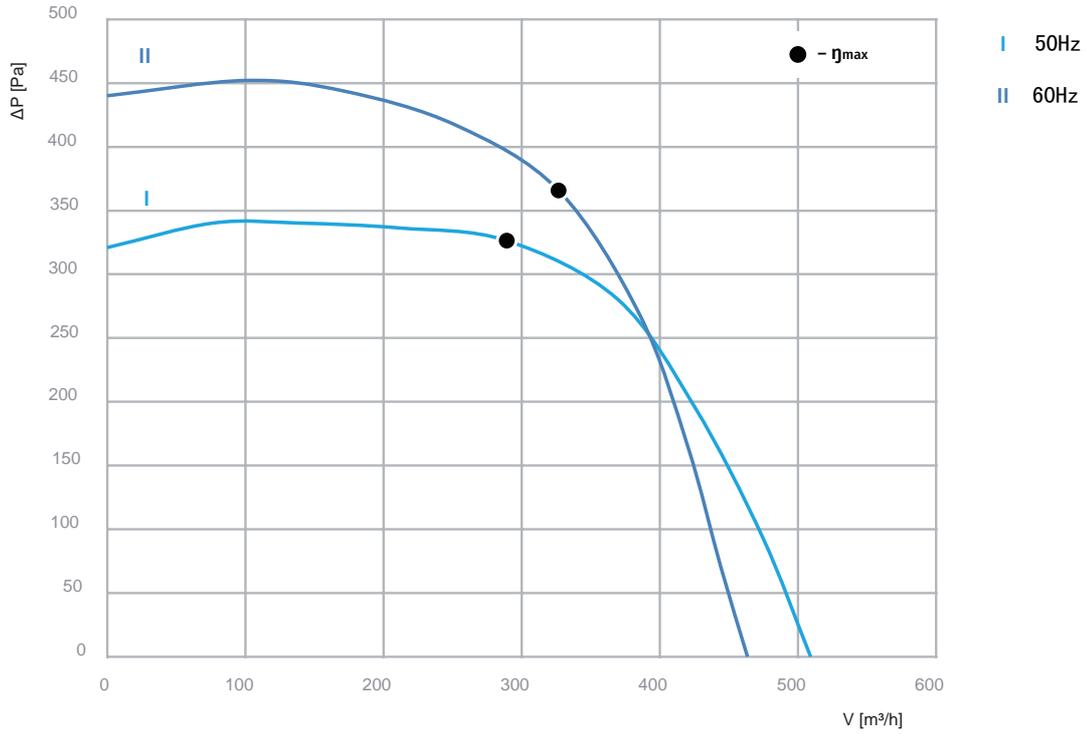
### Norminal Data

Nominal Voltage	VAC	230	230
Capacitance	~	3.5µF/450V	3.5µF/450V
Frequency	Hz	50	60
Nominal Speed	RPM	2630	2810
Max. Input Power	W	168	198
Max. Input Current	A	0.73	0.87
Sound level	dBA	72	71
Min. Ambient Temperature	°C	-25	-25
Max. Ambient Temperature	°C	50	50

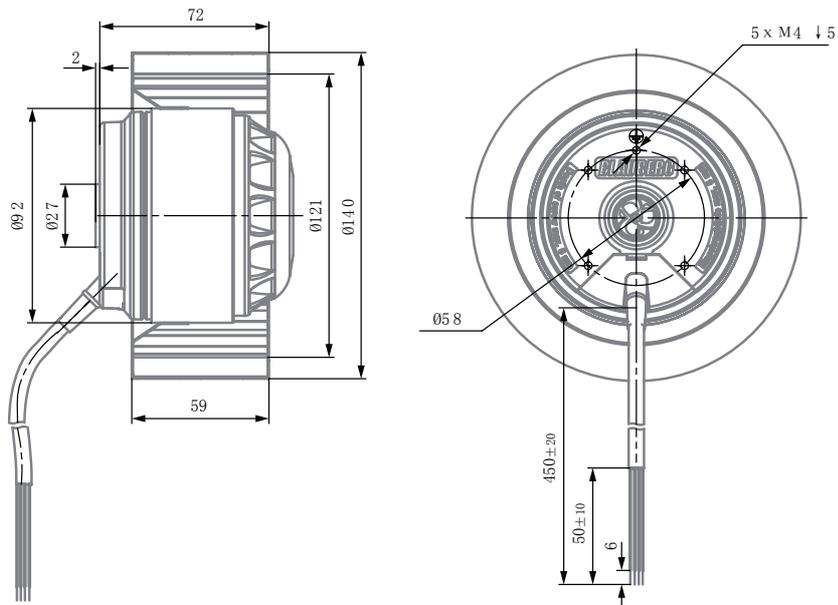
### Technical Features

Dimensions	140*140*74 mm
Material of Impeller	Metal
Direction of Rotation	Counterclockwise, Seen on Rotor
Surface of Rotor	Plastic Spraying
Type of Protection	IP44
Insulation Class	B
Operation Mode	S1
Motor Bearing	Ball Bearing
RoHS	All Material According with RoHS
Min./Max. Humidity	5% - 90% RH
Motor	External Rotor AC Motor
Deviation of Impeller In Axial Direction	≤ 0.5mm
Deviation of Impeller In Radial Direction	≤ 0.5mm

### Air Performance



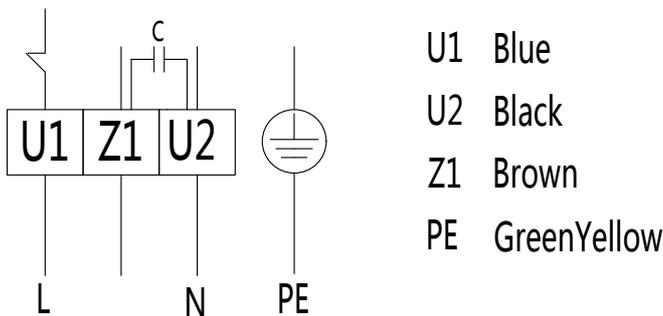
### Outline Drawing



## Wiring Diagram

Line	Connection	Color	Function
Power Line	PE	GreenYellow	Protective Earth
	U1	L	Blue
	Z1		Brown
	U2	N	Black

### Power Line



## Additional Notes

- 1.The power line and control line of the fan should be connected in strict accordance with the wiring diagram to prevent the fan from burning out;
- 2.Do not connect the white signal wire directly to the red signal wire or the external DC power supply;
- 3.If the fan does not work after starting, please check the input voltage of the speed regulation, which may be improperly connected. To prevent hand or other personal injury caused by sudden start of the fan; Do not touch the impeller or rotor after electrifying;
- 4.It takes a few seconds for the fan to start after power on. In order to prevent personal injury, do not touch the impeller or rotor under the condition of power or low speed;
- 5.Persons lacking physical, mental or sensory abilities and appropriate practical experience or expertise cannot use the fan unless directed by a person responsible for its safety. Keep out of reach of children.
- 6.If the power line is damaged, the manufacturer must replace the power cord;
- 7.As a part of the fan, the motor cannot be used alone without impeller or load;
- 8.After the product packaging has been disassembled, it should be repackaged if it needs to be kept in storage. The product shall be stored in a clean, well-ventilated warehouse with ambient temperature of  $-40^{\circ}\text{C}\sim +80^{\circ}\text{C}$ , relative humidity of no more than 95%, no corrosive gases in the air, and 15cm above the ground.
- 9.Please read this technical specification carefully before use.