



Image is for illustrative purposes only. Actual product may vary.

Nominal data

Model	BC-B190B-EC-03	
Motor model	MEC3C-72-174-03	

Phase		1~
Nominal Voltage	VAC	120
Nominal voltage range	VAC	
Frequency	Hz	50/60

Speed	RPM	4100
Power consumption	W	178
Current draw	A	2.6
Min. ambient temperature	°C	-25
Max. ambient temperature	°C	+50

Power and current values represent maximum ratings; speed values are specified at maximum efficiency point.

Data according to Commission Regulation (EU) 2024/1834

General parameters		
Measurement category		
Overall efficiency, ns	%	
Minimum efficiency, n	%	

Working point		
Power	W	
Flow rate	m ³ /h	
Pressure (Ps)	Pa	

Technical Data

Weight	1.6 kg
Impeller size	190 mm
Impeller material	PA plastic + 30% glass fiber
Number of blades	7
Direction of rotation	Clockwise, seen on rotor
Motor size	72
Bearing type	Ball bearings
Insulation class	B
Degree of protection	IP55
Motor protection	Self-resetting TOP wired internally
Operation mode	Continuous duty (S1)
Installation position	Any
Min. permitted ambient temp. for motor (transport/storage)	-40 °C
Max. permitted ambient temp. for motor (transport/storage)	+80 °C
Cable length	500 ±20 mm
Technical features	<ul style="list-style-type: none"> - Control Input 0-10 VDC / PWM - Locked Rotor Protection - Thermal Protection - Excessive Voltage Protection - Less Voltage Protection - Overcurrent Protection - Soft Start - Output 10 VDC, Max. 10 mA
Conformity with standards	<ul style="list-style-type: none"> - Safety standards: UL 507, CSA C22.2 № 113 - North America compliance: cETLus (3166456) - Material compliance: RoHS, REACH - Quality certification: ISO 9001
Warranty period	2 years / 40 000 motor hours

