



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

Nominal data

Model	BC-B250B-EC-00	
Motor model	MEC3C-72-95-01	

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

Speed	RPM	2500
Power consumption	W	85
Current draw	A	1.2
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.

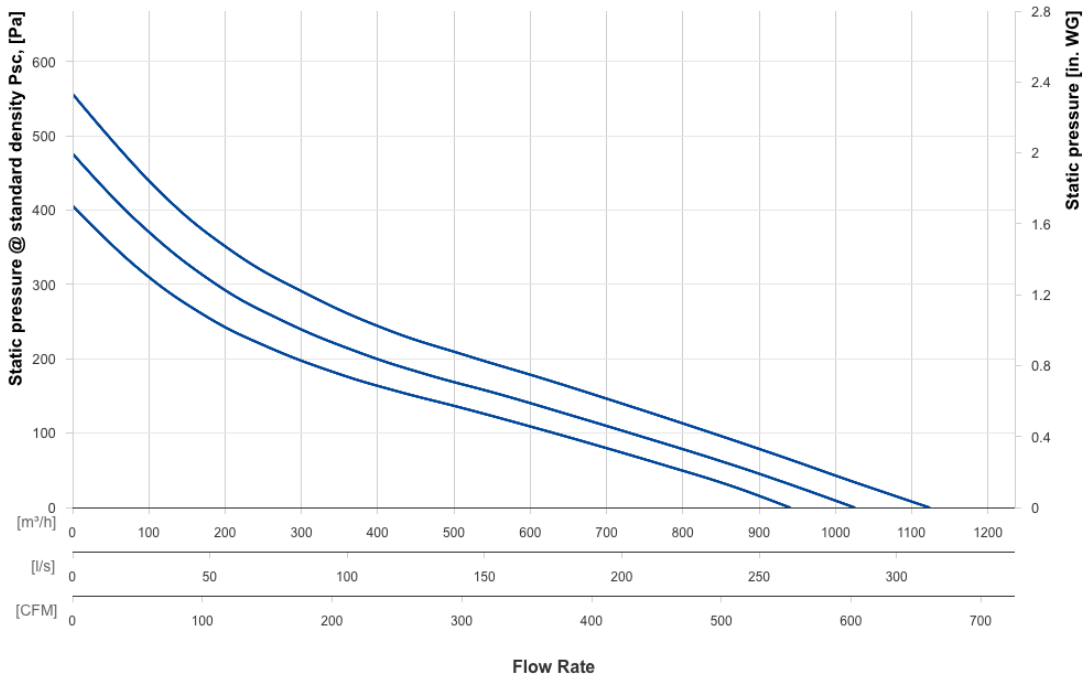
Data according to Commission Regulation (EU) 2024/1834

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	1.3 kg
Impeller size	250 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	IP54
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

Curves: Air performance 50 Hz


V	U, V	P, W	I, A	n, min ⁻¹	Psc, Pa	Psc, in. WG	Q, L/s	Q, m³/h	Q, CFM	W/(l/s)	ηt [%]
10V	119	85,3	1,26	2106	0,0	0,00	311,8	1122,6	660,1	0,27	16,1
10V	119	85,2	1,26	2014	37,4	0,14	282,0	1015,1	596,9	0,30	24,0
10V	119	85,1	1,26	1950	69,1	0,27	257,6	927,2	545,2	0,33	29,3
10V	119	85,1	1,26	1882	106,9	0,41	227,2	818,0	481,0	0,37	33,8
8V	119	65,9	1,02	1922	0,0	0,00	284,6	1024,4	602,3	0,23	16,4
8V	119	65,9	1,02	1858	33,4	0,13	259,3	933,6	549,0	0,25	24,7
8V	119	65,9	1,02	1798	63,6	0,25	234,9	845,7	497,3	0,28	30,7
8V	119	65,9	1,02	1750	97,9	0,38	204,9	737,6	433,7	0,32	35,2
6V	119	51,2	0,82	1778	0,0	0,00	261,0	939,6	552,5	0,20	17,4
6V	119	51,3	0,82	1700	28,7	0,11	240,0	864,1	508,1	0,21	25,2
6V	119	51,3	0,82	1656	57,6	0,22	214,7	773,1	454,6	0,24	32,0
6V	119	51,3	0,82	1618	86,2	0,33	188,4	678,2	398,8	0,27	36,4