



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

Nominal data

Model	BD-B190B-EC-00
Motor model	MEC3L-72-A0-00

Phase		
Nominal Voltage	VAC	
Nominal voltage range	VAC	
Frequency	Hz	

Speed	RPM	3400
Power consumption	W	90
Current draw	A	3.8
Min. ambient temperature	°C	-25
Max. ambient temperature	°C	+60

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

Data according to Commission Regulation (EU) 2024/1834

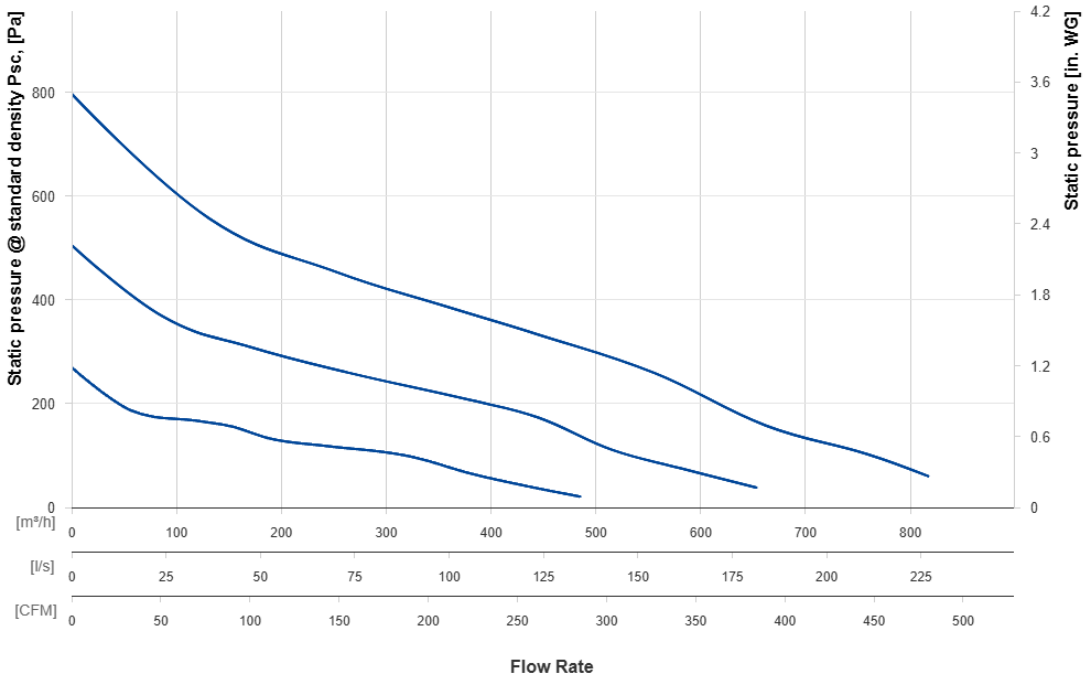
General parameters		
Measurement category		
Overall efficiency, ns	%	
Minimum efficiency, n	%	

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

Technical Data

Weight	1.1 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 - Control Input 0-10 VDC / PWM / Modbus - Locked Rotor Protection - Thermal Protection - Excessive Voltage Protection - Less Voltage Protection - Overcurrent Protection - Soft Start
Conformity with standards	<ul style="list-style-type: none"> - 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)
10V	24	91,5	3,81	3423	60,3	0,24	226,9	817,0	480,4	0,40
10V	24	90,8	3,78	3348	102,7	0,41	210,8	759,0	446,3	0,43
10V	24	90,3	3,76	3111	157,9	0,63	183,9	662,0	389,3	0,49
10V	24	90,0	3,74	3237	259,1	1,04	154,4	556,0	326,9	0,58
8V	24	45,2	1,88	2724	38,1	0,15	181,4	653,0	384,0	0,25
8V	24	45,3	1,88	2649	75,5	0,30	161,4	581,0	341,6	0,28
8V	24	45,3	1,89	2619	111,2	0,45	143,1	515,0	302,8	0,32
8V	24	45,3	1,89	2595	173,2	0,70	123,6	445,0	261,7	0,37
6V	24	19,0	0,79	2010	20,9	0,08	134,7	485,0	285,2	0,14
6V	24	19,0	0,79	1932	62,0	0,25	107,5	387,0	227,6	0,18
6V	24	18,9	0,79	1920	99,9	0,40	88,6	319,0	187,6	0,21
6V	24	19,0	0,79	1901	118,4	0,48	67,5	243,0	142,9	0,28