



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

Nominal data

Model	BL-B250P-EC-F05	
Motor model	MEC3E-102-A0-A0	

Phase		1~
Nominal Voltage	VAC	230
Nominal voltage range	VAC	
Frequency	Hz	50/60

Speed	RPM	3520
Power consumption	W	400
Current draw	A	1.8
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

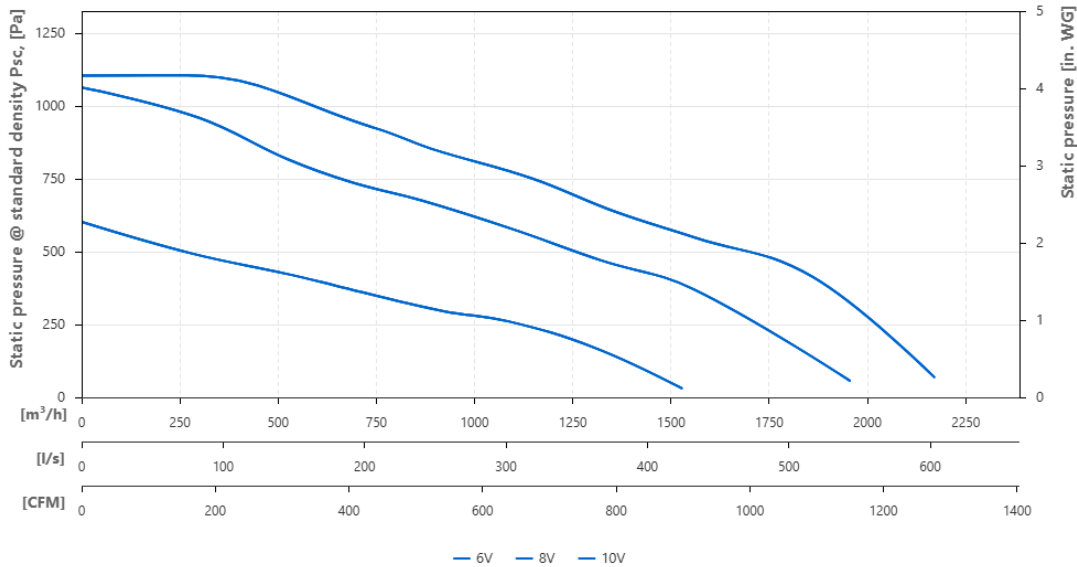
General parameters		
Measurement category		
Overall efficiency, ns	%	
Minimum efficiency, n	%	

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

Technical Data

Weight	3.66 kg
Impeller size	250 mm
Impeller material	Aluminium
Number of blades	7
Direction of rotation	Clockwise, seen on rotor
Motor size	102
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
Conformity with standards	<ul style="list-style-type: none">- Safety standards: EN 60335-1, EN 60335-2-80- Electromagnetic compatibility: EN IEC 61000-3-2, EN 61000-3-3, EN IEC 61000-6-1, EN IEC 61000-6-3, EN IEC 55014-1, EN IEC 55014-2- EU compliance: CE, RoHS, REACH- Quality certification: ISO 9001
Warranty period	2 years / 40 000 motor hours

Curves: Air performance 50 Hz



V	P, W	I, A	n, min ⁻¹	Psc, Pa	Psc, in.WG	Q, L/s	Q, m ³ /h	Q, CFM	W/(l/s)
10V	396,6	1,76	3633	69,8	0,28	602,8	2170,0	1276,0	0,66
10V	396,1	1,75	3567	414,1	1,66	516,9	1861,0	1094,3	0,77
10V	396,1	1,75	3525	549,7	2,21	433,6	1561,0	917,9	0,91
10V	396,3	1,75	3516	639,8	2,57	376,7	1356,0	797,3	1,05
8V	293,8	1,30	3261	57,2	0,23	543,1	1955,0	1149,5	0,54
8V	293,7	1,30	3192	371,9	1,49	432,8	1558,0	916,1	0,68
8V	293,8	1,30	3168	471,4	1,89	367,2	1322,0	777,3	0,80
8V	293,6	1,30	3156	579,4	2,33	304,2	1095,0	643,9	0,97
6V	138,9	0,63	2523	31,4	0,13	424,2	1527,0	897,9	0,33
6V	140,1	0,64	2487	171,4	0,69	362,2	1304,0	766,8	0,39
6V	140,0	0,64	2442	261,6	1,05	301,7	1086,0	638,6	0,46
6V	140,1	0,64	2436	295,6	1,19	256,9	925,0	543,9	0,55