



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

Nominal data

Model	BL-B450D-EC-05	
Motor model	MEC3E-102-65-01	

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

Speed	RPM	1700
Power consumption	W	703
Current draw	A	3.1
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

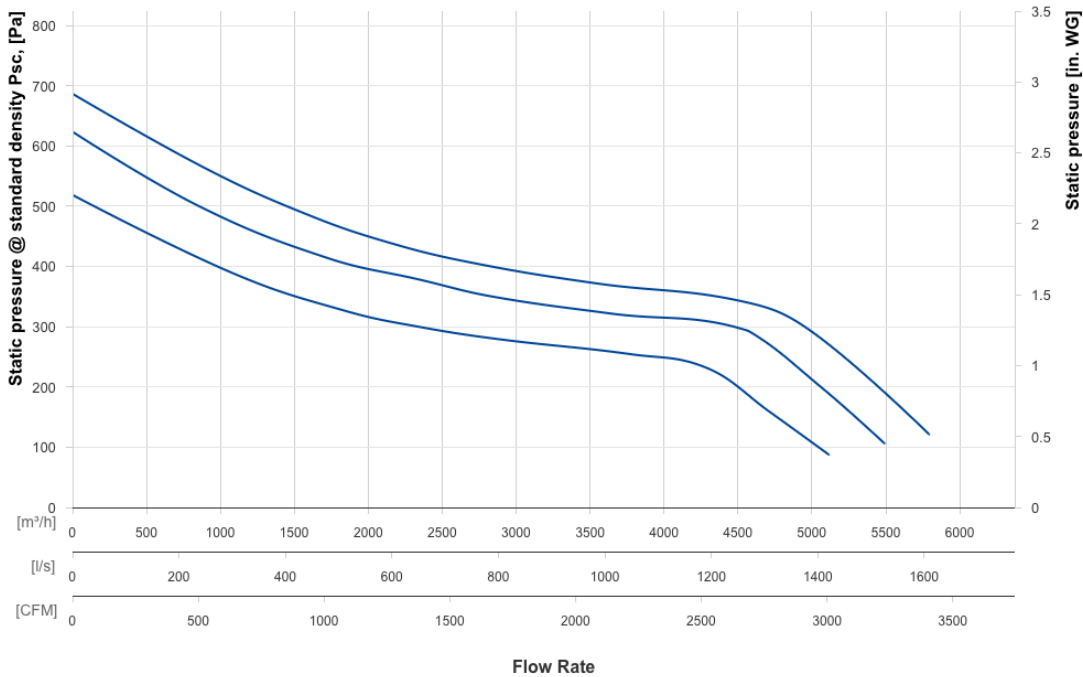
General parameters		
Measurement category		
Overall efficiency, ns	%	
Minimum efficiency, n	%	

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

Technical Data

Weight	7.3 kg
Impeller size	450 mm
Impeller material	Aluminium
Number of blades	7
Direction of rotation	Counterclockwise, seen on rotor
Motor size	102
Bearing type	Ball bearings
Insulation class	F
Degree of protection	IP44
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	700 ±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	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	230	697,5	3,06	1410	121,4	0,49	1608,9	5792,0	3405,7	0,43
10V	230	699,0	3,07	1322	289,8	1,16	1391,7	5010,0	2945,9	0,50
10V	230	699,2	3,07	1296	340,6	1,37	1265,3	4555,0	2678,3	0,55
10V	230	699,8	3,07	1310	372,2	1,49	981,7	3534,0	2078,0	0,71
8V	230	580,7	2,55	1326	106,6	0,43	1524,7	5489,0	3227,5	0,38
8V	230	580,6	2,55	1262	198,8	0,80	1407,2	5066,0	2978,8	0,41
8V	230	580,6	2,55	1230	293,1	1,18	1269,4	4570,0	2687,2	0,46
8V	230	580,6	2,55	1228	322,0	1,29	1009,7	3635,0	2137,4	0,58
6V	230	421,3	1,86	1206	87,8	0,35	1420,3	5113,0	3006,4	0,30
6V	230	421,1	1,85	1158	157,6	0,63	1311,1	4720,0	2775,4	0,32
6V	230	421,3	1,86	1122	230,9	0,93	1193,1	4295,0	2525,5	0,35
6V	230	421,3	1,86	1114	254,2	1,02	1050,0	3780,0	2222,6	0,40