

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

Nominal data

Model	BL-B280D-EC-07	
Motor model	MEC3E-92-A0-A0	

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

Speed	RPM	2500
Power consumption	W	235
Current draw	A	1.9
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

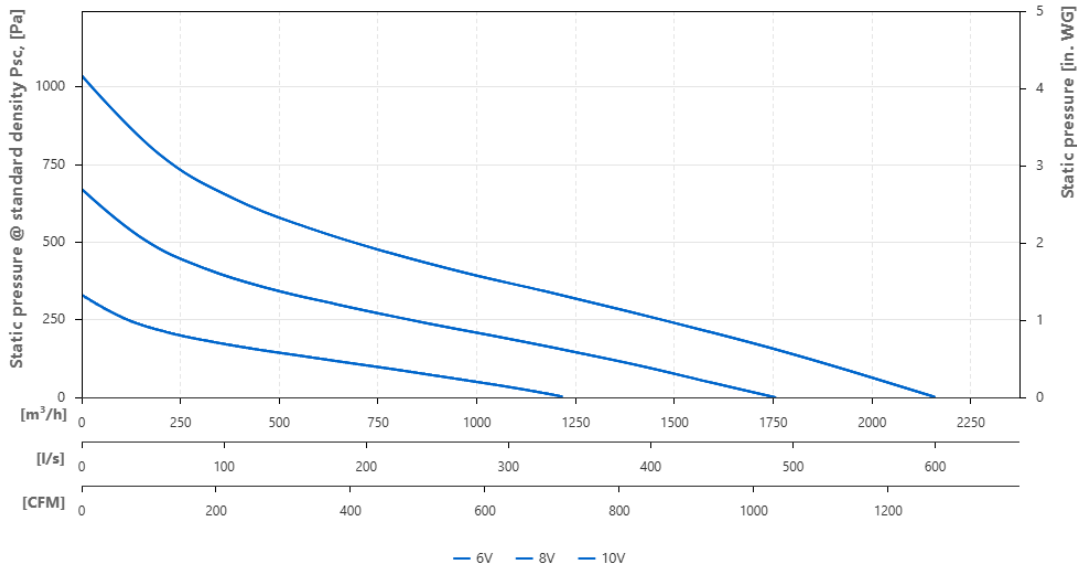
General parameters		
Measurement category		
Overall efficiency, ns	%	
Minimum efficiency, n	%	

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

Technical Data

Weight	2.6 kg
Impeller size	280 mm
Impeller material	Galvanized steel
Number of blades	7
Direction of rotation	Clockwise, seen on rotor
Motor size	92
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	U, 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)	ηt [%]
10V	229	232,0	1,85	2886	1,8	0,01	599,3	2157,4	1268,6	0,39	28,2
10V	229	232,0	1,86	2750	75,7	0,30	546,9	1968,8	1157,7	0,42	38,4
10V	229	232,0	1,86	2634	147,7	0,58	493,3	1775,8	1044,2	0,47	46,0
10V	229	232,1	1,86	2630	214,6	0,84	438,4	1578,4	928,1	0,53	50,3
8V	229	126,7	1,06	2334	0,2	0,00	487,5	1755,0	1031,9	0,26	27,4
8V	229	126,5	1,06	2226	46,1	0,18	444,1	1598,6	940,0	0,28	36,5
8V	229	126,4	1,06	2210	97,9	0,38	396,3	1426,7	838,9	0,32	44,7
8V	229	126,4	1,06	2048	140,6	0,55	352,4	1268,8	746,1	0,36	48,6
6V	230	50,4	0,47	1614	3,0	0,01	337,4	1214,6	714,2	0,15	24,7
6V	230	50,2	0,47	1618	27,6	0,11	308,0	1108,9	652,0	0,16	33,9
6V	230	50,5	0,47	1482	51,6	0,20	275,1	990,5	582,4	0,18	39,8
6V	230	50,5	0,47	1432	73,5	0,29	243,7	877,3	515,9	0,21	43,3