



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

Nominal data

Model	BY-B355E-EC-05	
Motor model	MEC3D-102-A0-A0	

Phase		3~
Nominal Voltage	VAC	380
Nominal voltage range	VAC	
Frequency	Hz	50/60

Speed	RPM	2200
Power consumption	W	1150
Current draw	A	1.85
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.

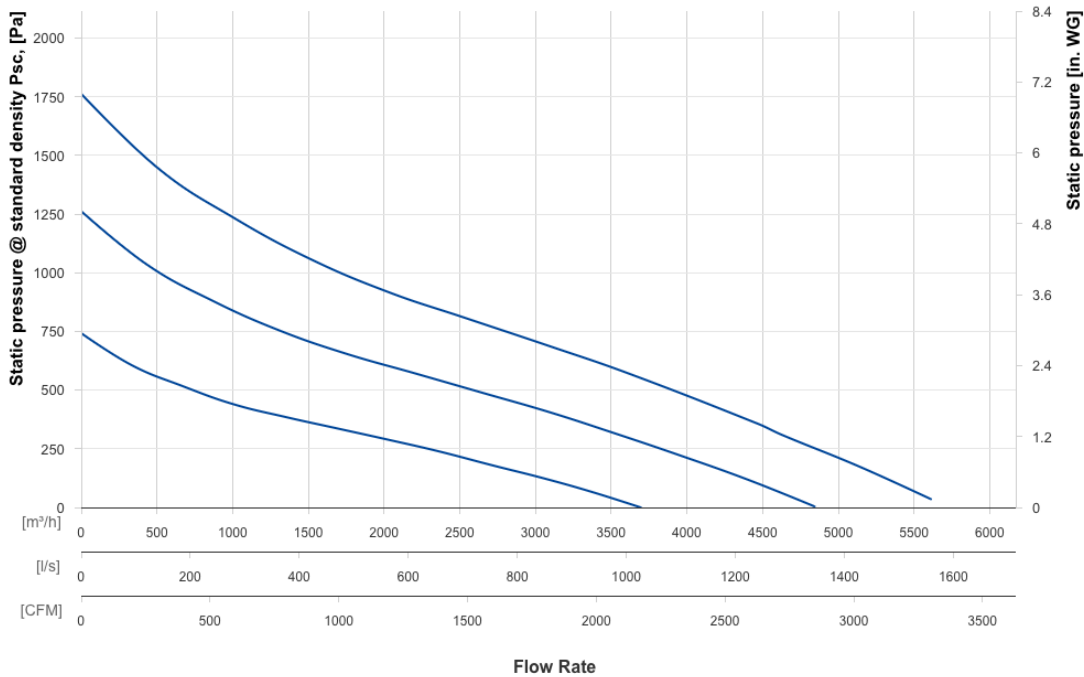
Data according to Commission Regulation (EU) 2024/1834

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	6.7 kg
Impeller size	355 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	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	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, m³/h	Q, CFM	W/(l/s)	ηt [%]
10V	380	1122,4	1,78	2382	35,6	0,14	1558,4	5610,1	3298,7	0,72	17,9
10V	380	1123,9	1,78	2304	175,1	0,69	1426,3	5134,7	3019,2	0,79	31,5
10V	380	1124,9	1,78	2232	309,0	1,21	1285,6	4628,0	2721,3	0,88	41,6
10V	380	1125,9	1,79	2214	356,9	1,40	1240,9	4467,2	2626,7	0,91	44,8
8V	380	686,2	1,16	2036	4,3	0,02	1345,0	4842,0	2847,1	0,51	14,5
8V	380	687,2	1,16	1962	118,4	0,46	1222,7	4401,7	2588,2	0,56	30,7
8V	380	687,7	1,16	1898	223,6	0,88	1096,0	3945,5	2320,0	0,63	42,1
8V	380	687,8	1,16	1866	317,2	1,24	976,8	3516,6	2067,8	0,70	49,1
6V	380	323,3	0,68	1566	0,0	0,00	1026,2	3694,2	2172,2	0,32	12,9
6V	380	323,7	0,68	1510	65,8	0,26	937,1	3373,6	1983,7	0,35	28,9
6V	380	323,7	0,68	1464	123,6	0,49	849,2	3057,0	1797,5	0,38	39,5
6V	380	324,8	0,69	1426	179,1	0,71	754,8	2717,4	1597,8	0,43	46,4