



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

Nominal data

Model	BL-B175B-EC-120	
Motor model	MEC3E-72-120-00	

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

Speed	RPM	4200
Power consumption	W	115
Current draw	A	0.95
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

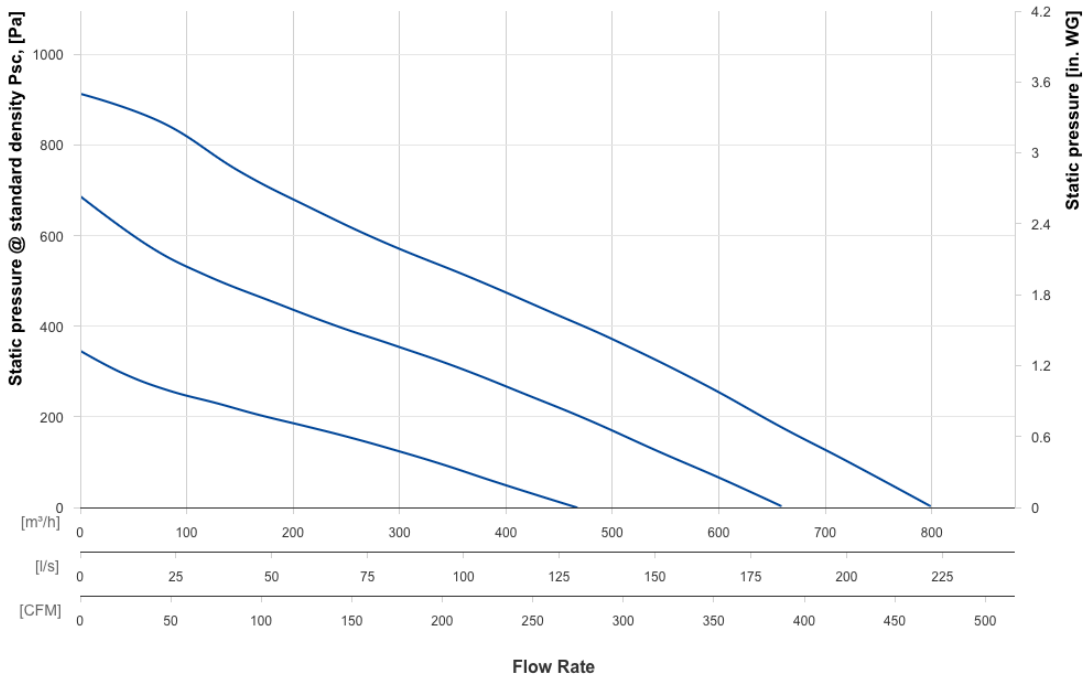
General parameters		
Measurement category		
Overall efficiency, ns	%	
Minimum efficiency, n	%	

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

Technical Data

Weight	1.2 kg
Impeller size	175 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
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	229	115,1	0,93	4862	3,6	0,01	221,7	798,1	469,3	0,52	13,0
10V	229	115,2	0,93	4634	104,9	0,41	199,5	718,1	422,2	0,58	26,4
10V	229	115,4	0,93	4503	176,2	0,68	183,2	659,5	387,8	0,63	33,9
10V	229	115,4	0,94	4389	269,4	1,04	163,3	587,9	345,7	0,71	41,6
8V	229	66,7	0,58	3992	3,6	0,01	182,8	658,0	386,9	0,37	12,8
8V	229	66,9	0,58	3853	63,4	0,25	167,3	602,4	354,2	0,40	24,4
8V	229	66,9	0,58	3727	122,9	0,48	151,1	543,9	319,8	0,44	33,4
8V	229	67,0	0,58	3614	194,1	0,75	132,3	476,4	280,1	0,51	41,4
6V	229	26,2	0,26	2825	0,0	0,00	129,5	466,3	274,2	0,20	9,5
6V	229	26,2	0,26	2723	27,4	0,11	119,1	428,8	252,1	0,22	20,4
6V	229	26,2	0,26	2639	58,8	0,23	107,5	386,9	227,5	0,24	29,4
6V	229	26,1	0,26	2571	95,0	0,37	94,5	340,3	200,1	0,28	37,3