



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

Nominal data

Model	BL-B190B-EC-00	
Motor model	MEC3E-72-95-00	

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

Speed	RPM	3150
Power consumption	W	90
Current draw	A	0.75
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

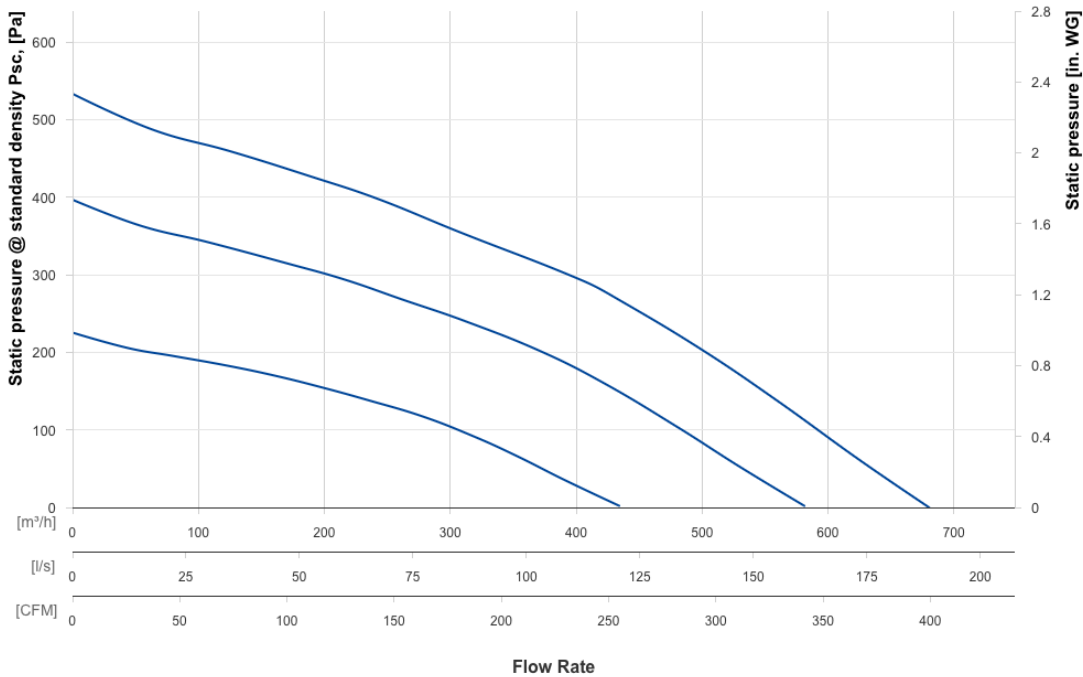
General parameters		
Measurement category		
Overall efficiency, ns	%	
Minimum efficiency, n	%	

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

Technical Data

Weight	1 kg
Impeller size	190 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
Technical features	<ul style="list-style-type: none"> - Output 10 VDC, Max. 10 mA - Control Input 0-10 VDC / PWM - Locked Rotor Protection - Thermal Protection - Excessive Voltage Protection - Less Voltage Protection - Overcurrent Protection - Soft Start
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	70,1	0,60	3260	0,0	0,00	188,7	680,2	399,4	0,37	10,8
10V	229	75,0	0,64	3228	60,7	0,24	173,7	625,4	367,7	0,43	21,4
10V	229	79,0	0,67	3191	137,5	0,55	155,5	559,7	329,1	0,51	31,3
10V	229	84,1	0,70	3155	203,1	0,82	138,9	500,0	294,0	0,61	35,8
8V	229	45,2	0,41	2792	2,1	0,01	161,4	581,1	341,7	0,28	11,3
8V	229	48,4	0,44	2775	52,1	0,21	147,3	530,2	311,8	0,33	22,7
8V	229	50,9	0,46	2745	103,2	0,41	133,6	480,8	282,7	0,38	31,2
8V	229	54,2	0,48	2716	159,6	0,64	117,4	422,7	248,5	0,46	36,5
6V	229	21,0	0,22	2104	2,2	0,01	120,6	434,0	255,2	0,17	10,6
6V	229	22,3	0,23	2088	35,1	0,14	108,6	391,1	230,0	0,21	22,9
6V	229	23,3	0,24	2070	66,3	0,27	98,0	352,8	207,4	0,24	31,2
6V	229	24,4	0,25	2059	90,7	0,36	88,9	319,9	188,1	0,27	35,0