



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

Nominal data

Model	BL-B190B-EC-04	
Motor model	MEC3E-72-95-00	

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

Speed	RPM	3600
Power consumption	W	108
Current draw	A	0.9
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

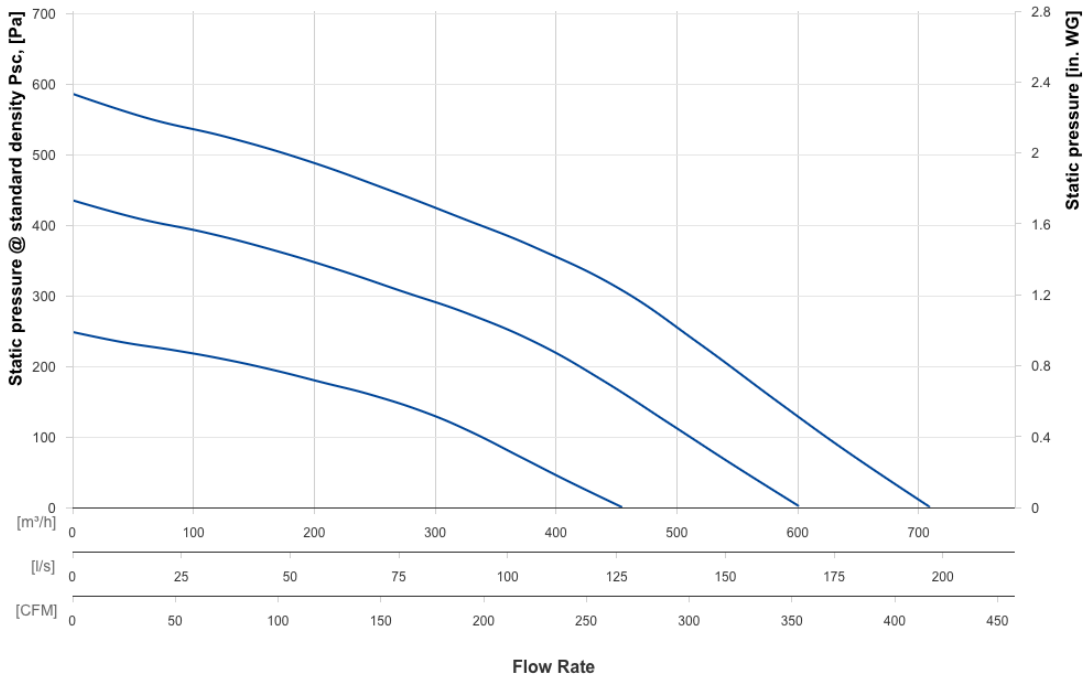
General parameters		
Measurement category		
Overall efficiency, ns	%	
Minimum efficiency, n	%	

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

Technical Data

Weight	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	230	91,5	0,74	3470	1,3	0,01	196,8	708,6	416,7	0,46	10,3
10V	230	94,4	0,76	3442	77,7	0,30	178,3	641,9	377,4	0,53	21,5
10V	230	97,4	0,78	3422	147,9	0,58	162,5	584,9	343,9	0,60	29,3
10V	230	103,7	0,83	3378	232,8	0,91	143,9	518,0	304,6	0,72	34,9
8V	230	55,2	0,49	2970	2,6	0,01	166,7	600,2	352,9	0,33	10,8
8V	230	58,4	0,51	2946	60,4	0,24	151,8	546,4	321,3	0,38	22,5
8V	230	61,6	0,53	2942	118,5	0,46	137,3	494,2	290,6	0,45	30,7
8V	230	64,9	0,56	2894	180,1	0,70	121,8	438,5	257,8	0,53	36,3
6V	230	24,9	0,25	2246	0,9	0,00	126,1	453,9	266,9	0,20	9,9
6V	230	26,3	0,26	2246	37,5	0,15	113,8	409,6	240,8	0,23	22,4
6V	230	27,4	0,27	2214	70,8	0,28	103,2	371,4	218,4	0,27	30,7
6V	230	29,0	0,28	2206	107,4	0,42	91,4	329,2	193,6	0,32	36,1