



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

### Nominal data

<b>Model</b>	<b>BD-B220C-EC-00</b>
<b>Motor model</b>	<b>MEC3L-72-A0-00</b>

<b>Phase</b>		
<b>Nominal Voltage</b>	VAC	
<b>Nominal voltage range</b>	VAC	
<b>Frequency</b>	Hz	

<b>Speed</b>	RPM	2600
<b>Power consumption</b>	W	92
<b>Current draw</b>	A	3.8
<b>Min. ambient temperature</b>	°C	-25
<b>Max. ambient temperature</b>	°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

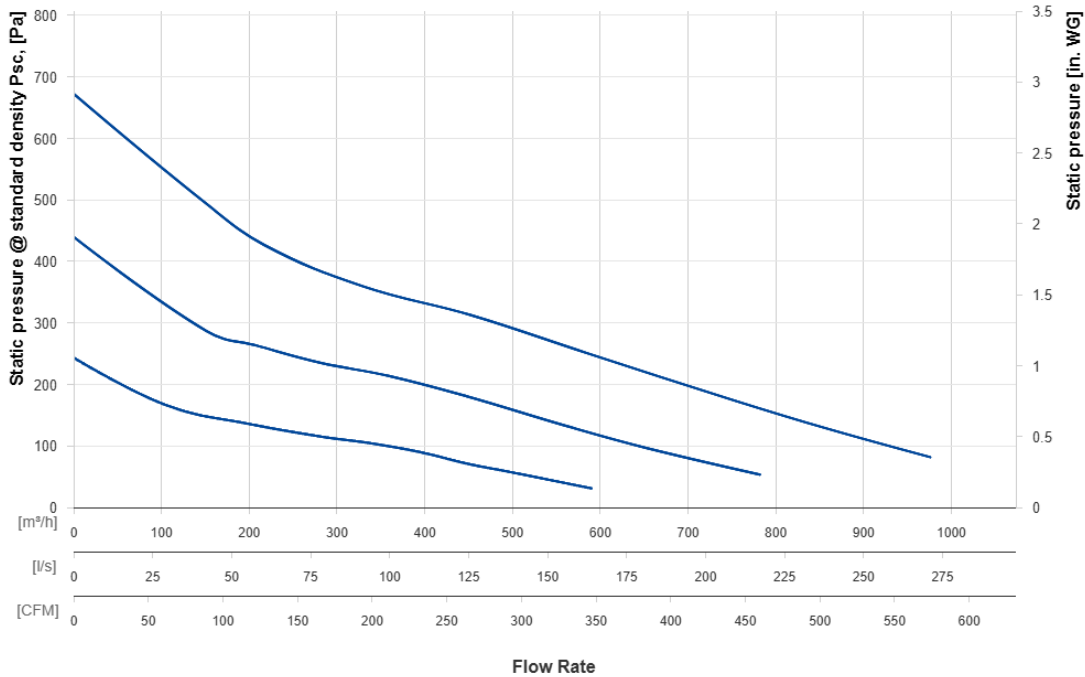
<b>General parameters</b>		
<b>Measurement category</b>		
<b>Overall efficiency, ns</b>	%	
<b>Minimum efficiency, n</b>	%	

<b>Working point</b>		
<b>Power</b>	W	
<b>Flow rate</b>	m <sup>3</sup> /h	
<b>Pressure (Ps)</b>	Pa	

## Technical Data

<b>Weight</b>	1.2 kg
<b>Impeller size</b>	220 mm
<b>Impeller material</b>	PA plastic + 30% glass fiber
<b>Number of blades</b>	7
<b>Direction of rotation</b>	Clockwise, seen on rotor
<b>Motor size</b>	72
<b>Bearing type</b>	Ball bearings
<b>Insulation class</b>	B
<b>Degree of protection</b>	IP55
<b>Motor protection</b>	Self-resetting TOP wired internally
<b>Operation mode</b>	Continuous duty (S1)
<b>Installation position</b>	Any
<b>Min. permitted ambient temp. for motor (transport/storage)</b>	-40 °C
<b>Max. permitted ambient temp. for motor (transport/storage)</b>	+80 °C
<b>Cable length</b>	500 ±20 mm
<b>Technical features</b>	<ul style="list-style-type: none"> <li>- Control Input 0-10 VDC / PWM</li> <li>- Locked Rotor Protection</li> <li>- Thermal Protection</li> <li>- Excessive Voltage Protection</li> <li>- Less Voltage Protection</li> <li>- Overcurrent Protection</li> <li>- Soft Start</li> </ul>
<b>Conformity with standards</b>	<ul style="list-style-type: none"> <li>- Material compliance: RoHS, REACH</li> <li>- Quality certification: ISO 9001</li> </ul>
<b>Warranty period</b>	2 years / 40 000 motor hours

**Curves: Air performance 50 Hz**



V	U, V	P, W	I, A	n, min <sup>-1</sup>	Psc, Pa	Psc, in.WG	Q, L/s	Q, m³/h	Q, CFM	W/(l/s)
10V	24	92,5	3,86	2589	81,8	0,33	271,1	976,0	573,9	0,34
10V	24	91,8	3,83	2508	128,4	0,52	238,3	858,0	504,5	0,39
10V	24	91,6	3,82	2484	173,8	0,70	209,2	753,0	442,8	0,44
10V	24	91,3	3,81	2445	250,9	1,01	162,5	585,0	344,0	0,56
8V	24	46,6	1,94	2079	53,5	0,22	217,2	782,0	459,8	0,21
8V	24	46,6	1,94	2013	96,9	0,39	181,1	652,0	383,4	0,26
8V	24	46,7	1,95	1998	132,2	0,53	156,1	562,0	330,5	0,30
8V	24	46,6	1,95	2001	180,7	0,73	124,4	448,0	263,4	0,37
6V	24	19,8	0,82	1572	31,1	0,13	163,9	590,0	346,9	0,12
6V	24	19,8	0,83	1512	58,9	0,24	136,9	493,0	289,9	0,14
6V	24	19,8	0,83	1515	70,0	0,28	125,6	452,0	265,8	0,16
6V	24	19,8	0,83	1503	90,5	0,36	109,2	393,0	231,1	0,18