



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

**Nominal data**

<b>Model</b>	<b>BC-B190B-EC-00</b>
<b>Motor model</b>	<b>MEC3C-72-95-01</b>

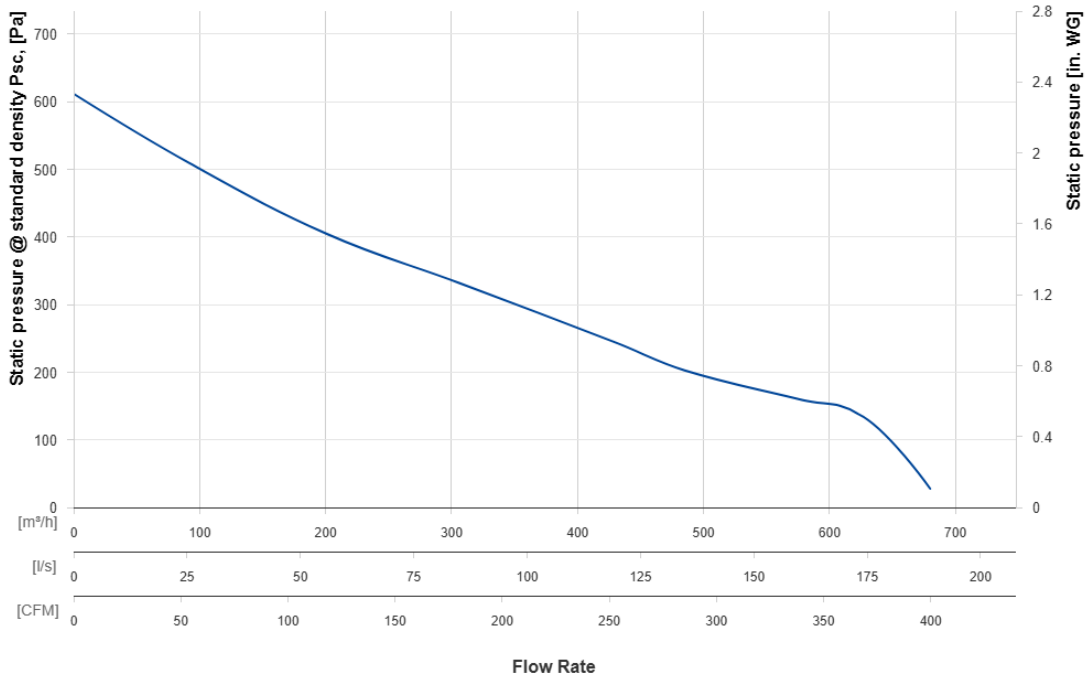
<b>Phase</b>		1~
<b>Nominal Voltage</b>	VAC	120
<b>Nominal voltage range</b>	VAC	
<b>Frequency</b>	Hz	50/60

<b>Speed</b>	RPM	3400
<b>Power consumption</b>	W	85
<b>Current draw</b>	A	1.1
<b>Min. ambient temperature</b>	°C	-25
<b>Max. ambient temperature</b>	°C	+50

Power and current values represent maximum ratings; speed values are specified at maximum efficiency point.

## Technical Data

<b>Weight</b>	1 kg
<b>Impeller size</b>	190 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> <li>- Output 10 VDC, Max. 10 mA</li> </ul>
<b>Conformity with standards</b>	<ul style="list-style-type: none"> <li>- Safety standards: UL 507, CSA C22.2 № 113</li> <li>- North America compliance: cETLus (3166456)</li> <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	120	84,7	1,12	3348	27,7	0,11	188,9	680,0	399,8	0,45
10V	120	84,5	1,13	3240	138,2	0,56	173,1	623,0	366,3	0,49
10V	120	84,4	1,13	3252	158,7	0,64	160,8	579,0	340,5	0,52
10V	120	84,3	1,14	3192	202,8	0,81	134,7	485,0	285,2	0,63