



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

### Nominal data

<b>Model</b>	<b>BC-B133B-EC-05</b>	
<b>Motor model</b>	<b>MEC3C-59-32-05</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	4600
<b>Power consumption</b>	W	43
<b>Current draw</b>	A	0.65
<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

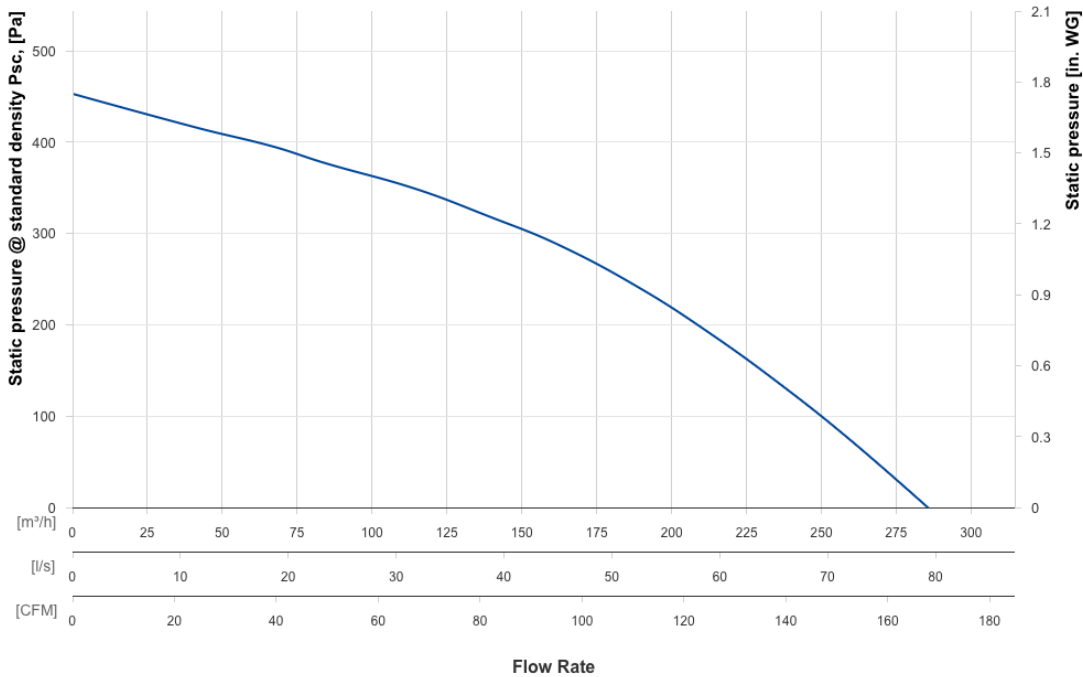
General parameters		
<b>Measurement category</b>		
<b>Overall efficiency, ns</b>	%	
<b>Minimum efficiency, n</b>	%	

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

**Technical Data**

<b>Weight</b>	0.65 kg
<b>Impeller size</b>	133 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>	59
<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>- Quality certification: ISO 9001</li><li>- Material compliance: RoHS, REACH</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)	ηt [%]
10V	119	36,2	0,52	4518	-1,3	-0,01	79,4	285,9	168,1	0,46	4,5
10V	119	38,2	0,54	4502	73,3	0,29	72,2	259,8	152,8	0,53	17,0
10V	119	39,9	0,56	4490	132,7	0,53	65,9	237,1	139,4	0,61	24,0
10V	119	41,4	0,58	4478	190,1	0,75	59,2	213,0	125,2	0,70	28,5