



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

### Nominal data

<b>Model</b>	<b>BL-B175A-EC-03</b>	
<b>Motor model</b>	<b>MEC3E-72-95-00</b>	

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

<b>Speed</b>	RPM	3730
<b>Power consumption</b>	W	82
<b>Current draw</b>	A	0.67
<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

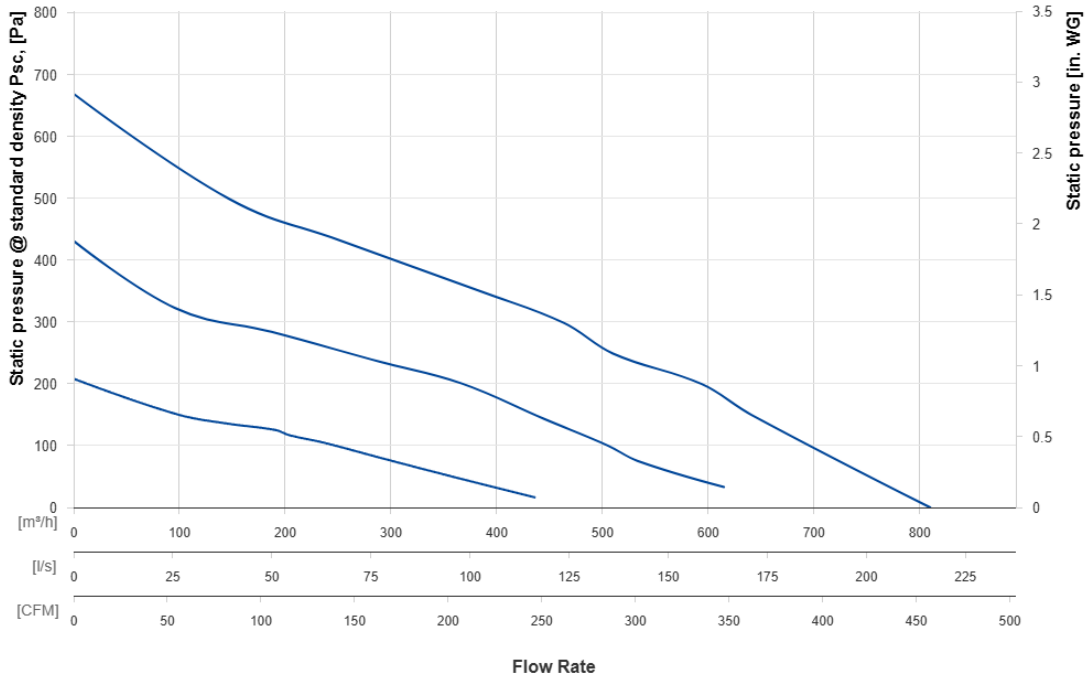
General parameters		
<b>Measurement category</b>		
<b>Overall efficiency, ns</b>	%	
<b>Minimum efficiency, n</b>	%	

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>	1.1 kg
<b>Impeller size</b>	175 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>Conformity with standards</b>	<ul style="list-style-type: none"><li>- Safety standards: EN 60335-1, EN 60335-2-80</li><li>- 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</li><li>- EU compliance: CE, 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	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	82,9	0,67	3864	0,0	0,21	216,1	810,0	457,5	0,38
10V	82,8	0,67	3816	149,7	0,60	178,1	641,0	376,9	0,47
10V	82,9	0,67	3753	199,3	0,80	165,0	594,0	349,3	0,50
10V	82,7	0,67	3717	248,7	1,00	141,7	510,0	299,9	0,58
8V	43,2	0,37	3162	33,0	0,13	170,8	615,0	361,6	0,25
8V	43,0	0,37	3051	75,4	0,30	148,1	533,0	313,4	0,29
8V	43,1	0,37	3018	100,2	0,40	140,3	505,0	296,9	0,31
8V	43,2	0,37	2985	143,0	0,57	123,6	445,0	261,7	0,35
6V	16,4	0,16	2208	16,3	0,07	121,1	436,0	256,4	0,14
6V	16,6	0,16	2109	49,0	0,20	100,0	360,0	211,7	0,17
6V	16,6	0,16	2082	78,4	0,32	81,7	294,0	172,9	0,20
6V	16,6	0,16	2082	104,9	0,42	65,6	236,0	138,8	0,25