

ebm-papst Mulfingen GmbH & Co. KG

Bachmühle 2

74673 Mulfingen

Phone: +49 7938 81-0

Fax: +49 7938 81-110

www.ebmpapst.com

info1@de.ebmpapst.com

Nominal data

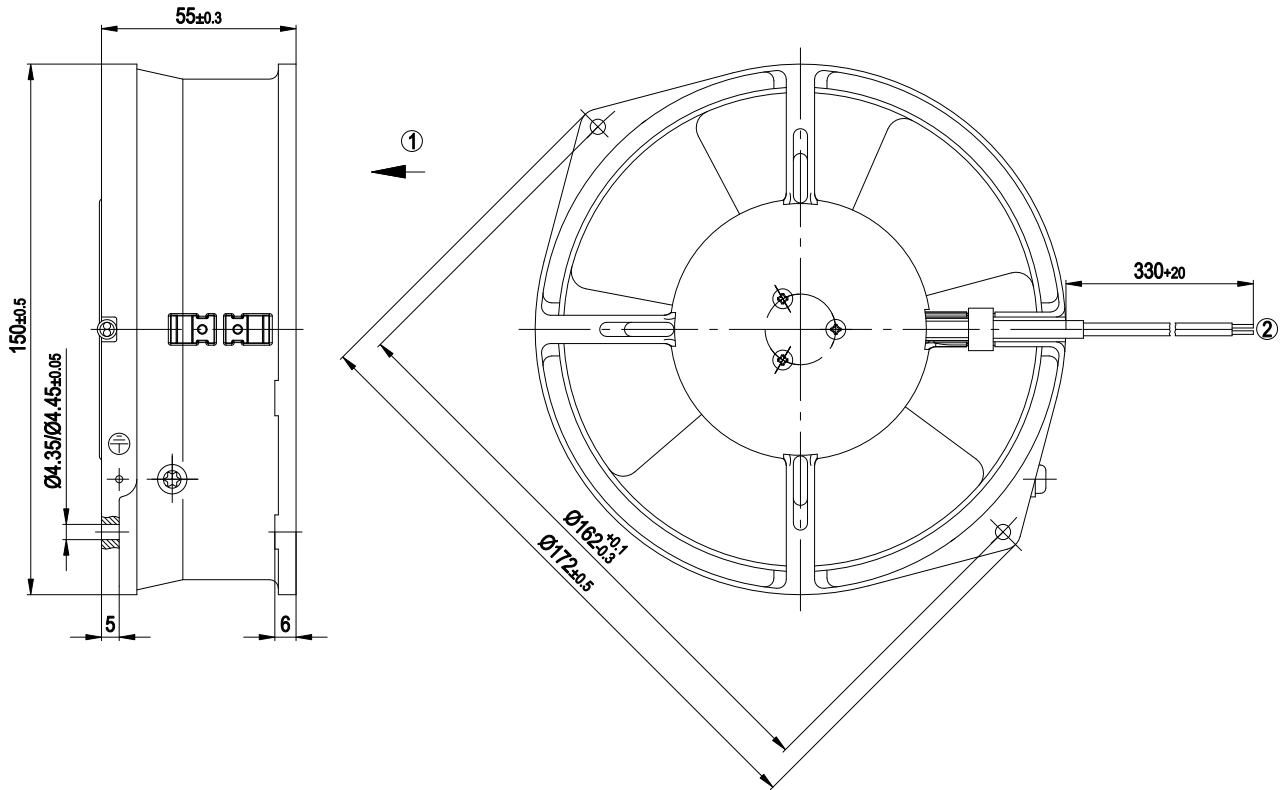
Type	W2S130-AB03-11		
Motor	M2S052-CA		
Phase		1~	1~
Nominal voltage	[V]	230	230
Frequency	[Hz]	50	60
Type of data definition		rfa	rfa
Valid for approval / standard		CE	CE
Speed	[min ⁻¹]	2800	3250
Power input	[W]	45	39
Current draw	[A]	0,3	0.25
Max. ambient temperature	[°C]	-	-

ml = max. load · me = max. efficiency · rfa = running at free air · cs = customer specs · cu = customer unit
Subject to alterations

Technical features

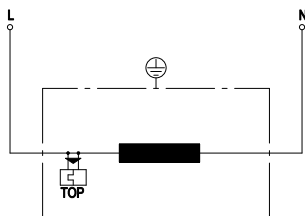
Leakage current	< 0,75 mA
Size	130 mm
Operation mode	S1
Direction of rotation	Counter-clockwise, seen on rotor
Mounting position	Any
Direction of air flow	"V"
Insulation class	"B"
Condensate discharge holes	None
Bearing motor	Ball bearing
Mass	1.1 kg
Material of blades	Sheet steel, coated in black
Material of wall ring	Die-cast aluminium, coated in black
Motor protection	Thermal overload protector (TOP) wired internally
Product conforming to standard	CE; EN 60335-1
Surface of rotor	Coated in black
Number of blades	7
Type of protection	IP 54
Protection class	I (if earth wire is connected by customer)
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C

Product drawing



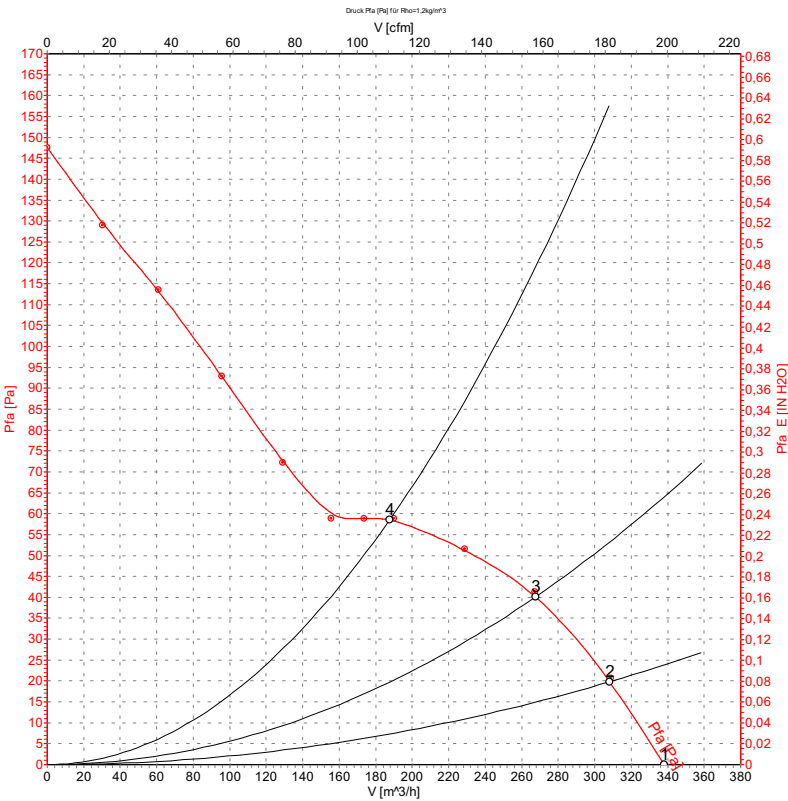
- | | |
|---|---|
| 1 | Direction of air flow "V" |
| 2 | Connection line ETFE, 2x tin-plated lead tips |

Connection screen



- | | |
|-----|------------------------------|
| L | = black |
| N | = black |
| TOP | = Thermal overload protector |

Charts: Air flow 50 Hz

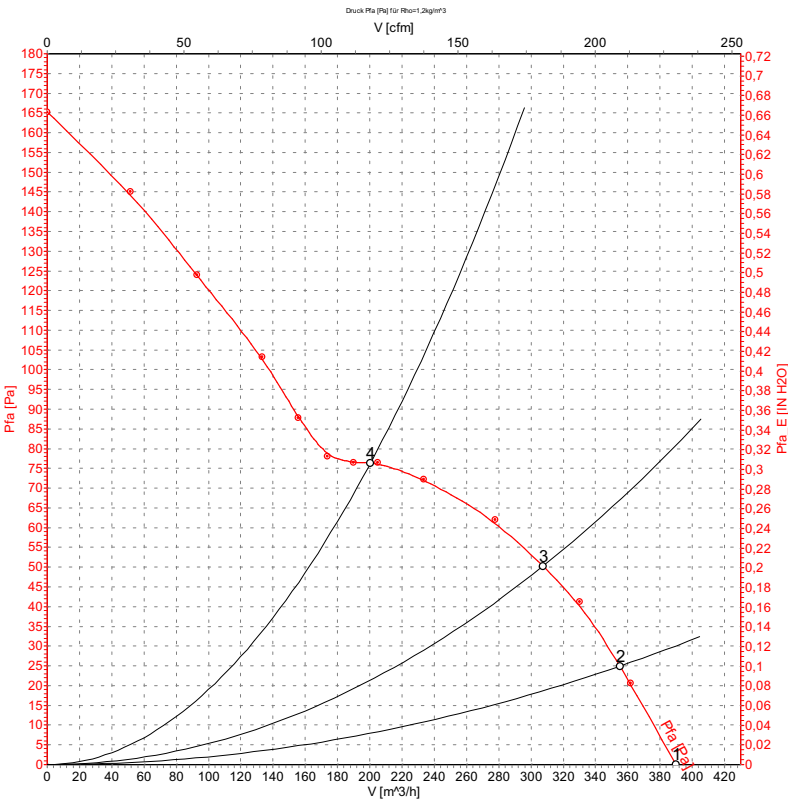


Measurement: LU-58475

Measured values

	U	f	n	P ₁	I	Ṃ	P _{fa}
	[V]	[Hz]	[min ⁻¹]	[W]	[A]	[m³/h]	[Pa]
1	230	50	2800	45	0.31	340	0
2	230	50	2795	45	0.31	310	21
3	230	50	2780	46	0.31	270	41
4	230	50	2780	46	0.31	190	59

Charts: Air flow 60 Hz



Measurement: LU-58476

Measured values

	U	f	n	P ₁	I	$\hat{V}$	P _{fa}
	[V]	[Hz]	[min ⁻¹]	[W]	[A]	[m³/h]	[Pa]
1	230	60	3250	39	0.25	390	0
2	230	60	3200	42	0.25	355	25
3	230	60	3165	43	0.26	305	50
4	230	60	3170	43	0.26	200	76

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[ebm-papst:](#)

[W2S130-AB03-11](#)