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Nominal data

Type	W2S130-AA03-90				
Motor	M2S052-CA				
Phase		1~	1~	1~	1~
Nominal voltage	VAC	115	115	230	230
Frequency	Hz	50	60	50	60
Type of data definition		rfa	rfa	rfa	rfa
Valid for approval / standard		CE	CE	CE	CE
Speed	min ⁻¹	2800	3200	2800	3200
Power input	W	45	42	45	42
Current draw	A	0.62	0.52	0.31	0.26
Max. back pressure	Pa	60	75	60	75
Max. ambient temperature	°C	40	70	40	70

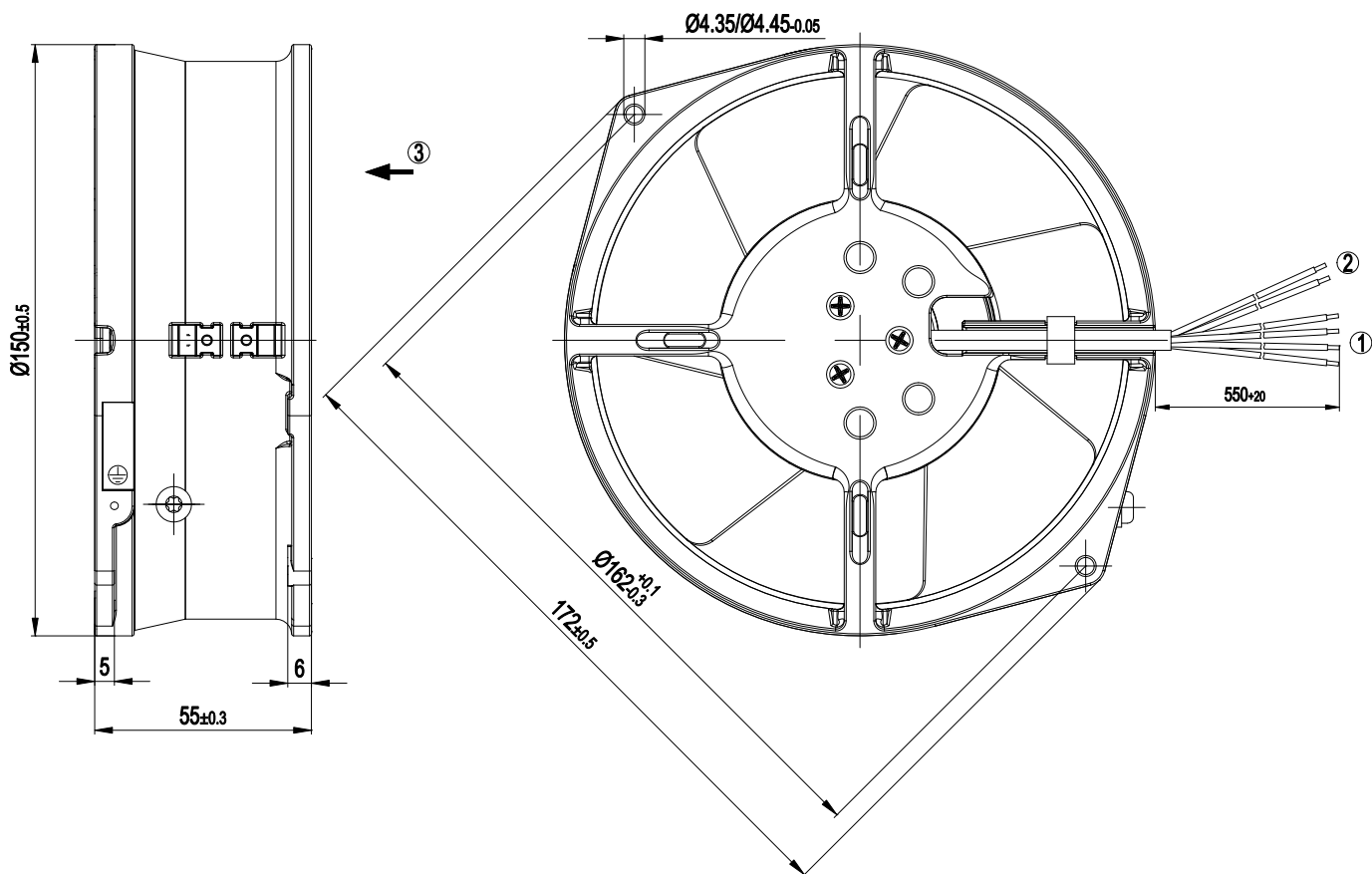
ml = max. load · me = max. efficiency · rfa = running at free air · cs = customer specs · cu = customer unit
Subject to alterations



Technical features

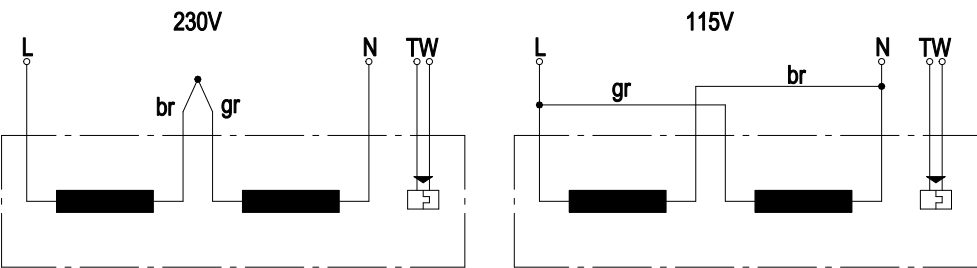
Mass	1.1 kg
Size	130 mm
Surface of rotor	Rotor open, coated in black
Material of impeller	Sheet steel, coated in black
Material of wall ring	Die-cast aluminium, coated in black
Number of blades	7
Direction of air flow	"V"
Direction of rotation	Counter-clockwise, seen on rotor
Type of protection	IP 20
Insulation class	"B"
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Mounting position	Any
Condensate discharge holes	None
Operation mode	S1
Motor bearing	Ball bearing
Speed steps	Dual voltage
Leakage current	< 0.75 mA
Motor protection	Thermal overload protector (TOP) brought out
Protection class	I (if protective earth is connected by customer)
Product conforming to standard	EN 60335-1; CE
Approval	CSA C22.2 Nr.113; UL 507

Product drawing



1	Connection line AWG22; 4x lead tips crimped
2	TOP strands AWG20; 2x lead tips galvanised
3	Direction of air flow "V"

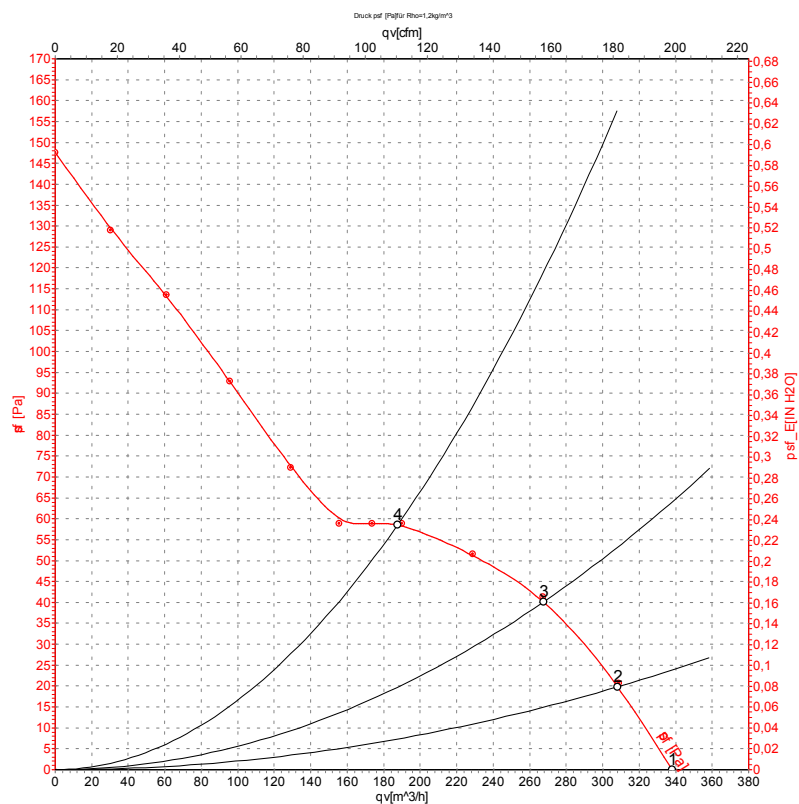
Connection screen



	230 V	N	115 V	TW	2x yellow
L	black	L	black + grey	N	Blue
N	blue + brown		brown + grey		



Charts: Air flow 50 Hz



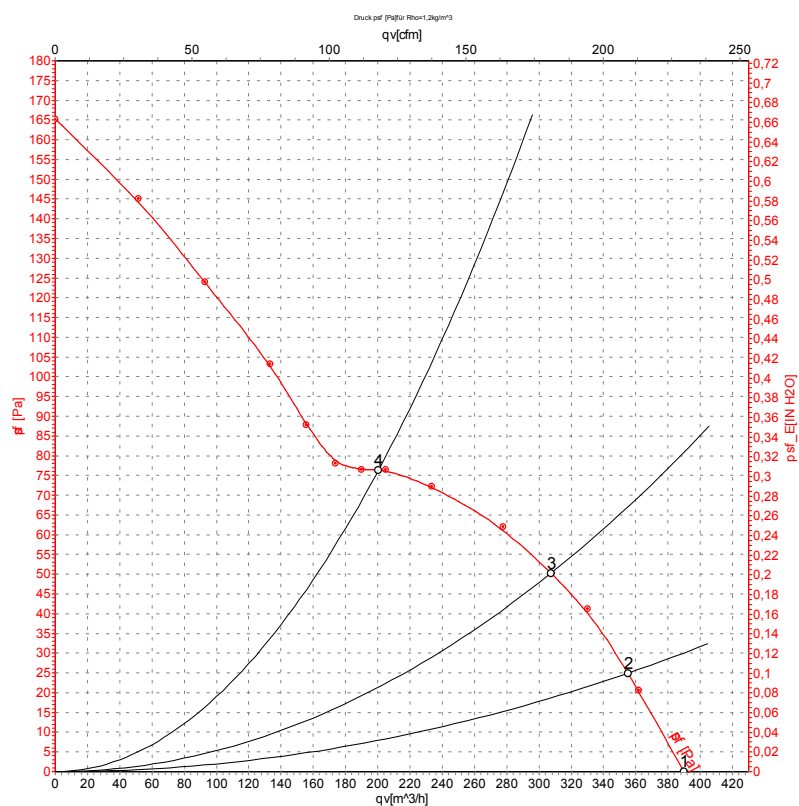
Measurement: LU-58475

Air performance measured as per ISO 5801
 Installation category A. For detailed
 information on the measuring set-up, please
 contact ebm-papst. Suction-side noise
 levels: L_{WA} measured as per ISO 13347 /
 L_{pA} measured with 1m distance to fan axis.
 The values given are valid under the
 measuring conditions mentioned above and
 may vary according to the actual installation
 situation. With any deviation from the
 standard set-up, the specific values have to
 be checked and reviewed with the unit
 installed.

Measured values

	U	f	n	P _e	I	qv	p _{sf}
	V	Hz	min ⁻¹	W	A	m ³ /h	Pa
1	230	50	2800	45	0.31	340	0
2	230	50	2795	45	0.31	310	20
3	230	50	2780	46	0.31	270	40
4	230	50	2780	46	0.31	190	59

Charts: Air flow 60 Hz



Measurement: LU-58476

Air performance measured as per ISO 5801
Installation category A. For detailed
information on the measuring set-up, please
contact ebm-papst. Suction-side noise
levels: L_{WA} measured as per ISO 13347 /
L_{pA} measured with 1m distance to fan axis.
The values given are valid under the
measuring conditions mentioned above and
may vary according to the actual installation
situation. With any deviation from the
standard set-up, the specific values have to
be checked and reviewed with the unit
installed.

Measured values

	U	f	n	P _e	I	qv	p _{sf}
	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	75