



W2S130-AA45-A2 ebmpapst Datasheet
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Nominal data

Type	W2S130-AA45-A2		
Motor	M2S052-CA		
Phase		1~	1~
Nominal voltage	VAC	115	115
Frequency	Hz	50	60
Type of data definition		fa	fa
Valid for approval / standard		CE	CE
Speed	min ⁻¹	2400	2600
Power input	W	35	35
Current draw	A	0.45	0.39
Min. ambient temperature	°C	-25	-25
Max. ambient temperature	°C	60	70

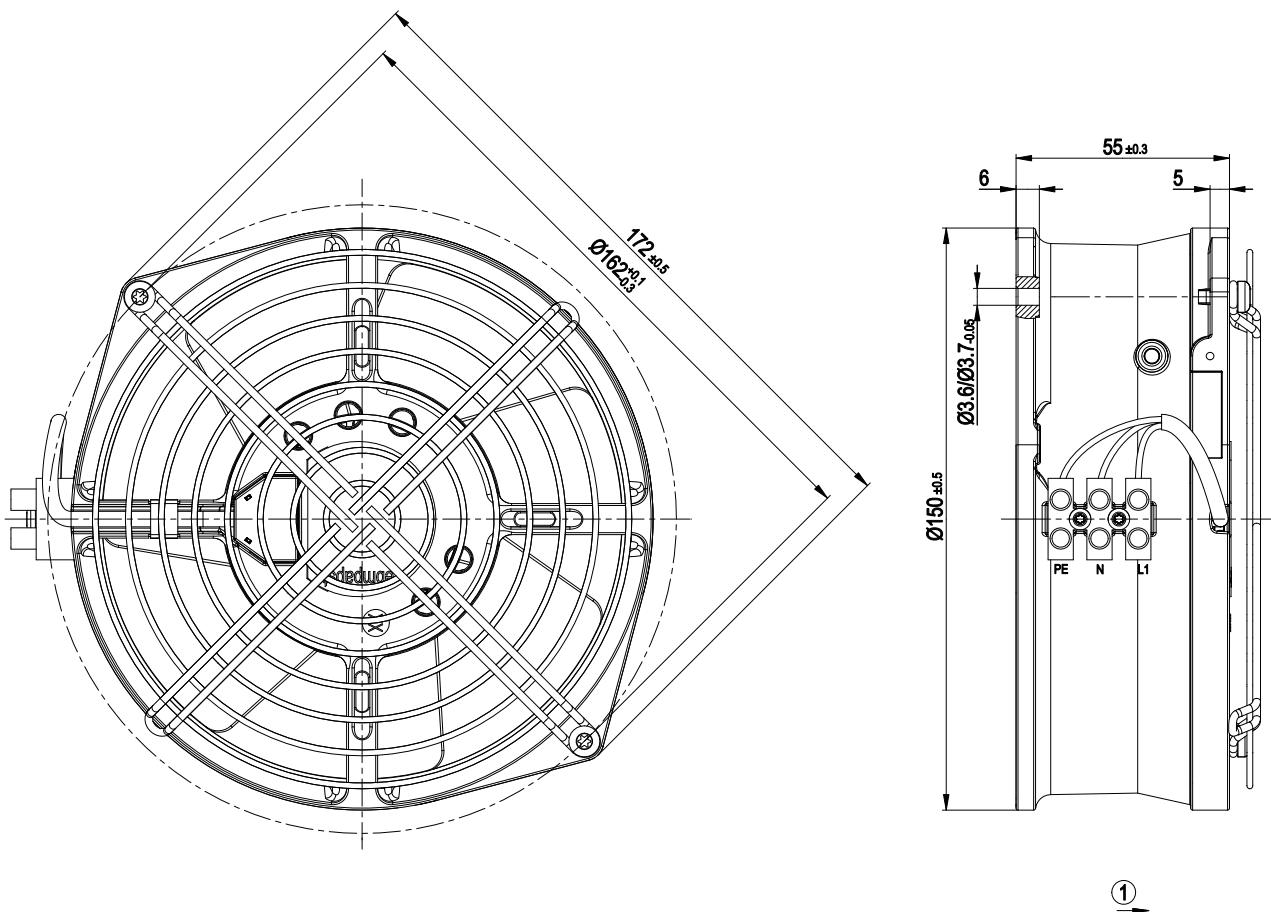
ml = Max. load · me = Max. efficiency · fa = Running at free air · cs = Customer specs · cu = Customer unit
Subject to alterations



Technical features

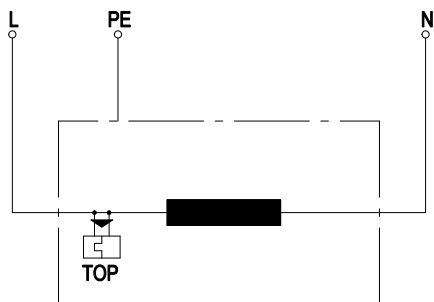
Mass	1.1 kg
Size	130 mm
Surface of rotor	Rotor open, coated in black
Material of blades	Sheet steel, coated in black
Material of wall ring	Die-cast aluminium
Material of guard grille	Steel, coated in white aluminium plastic (RAL 9006)
Number of blades	7
Direction of rotation	"V"
Type of protection	IP 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, open rotor
Operation mode	S1
Motor bearing	Ball bearing
Touch current acc. IEC 60990 (measuring network Fig. 4, TN system)	< 0.75 mA
Motor protection	Thermal overload protector (TOP) wired internally
Protection class	I (if protective earth is connected by customer)
Product conforming to standard	EN 60335-1; CE
Approval	CSA C22.2 Nr.77; UL 2111

Product drawing



1 Direction of air flow "V"

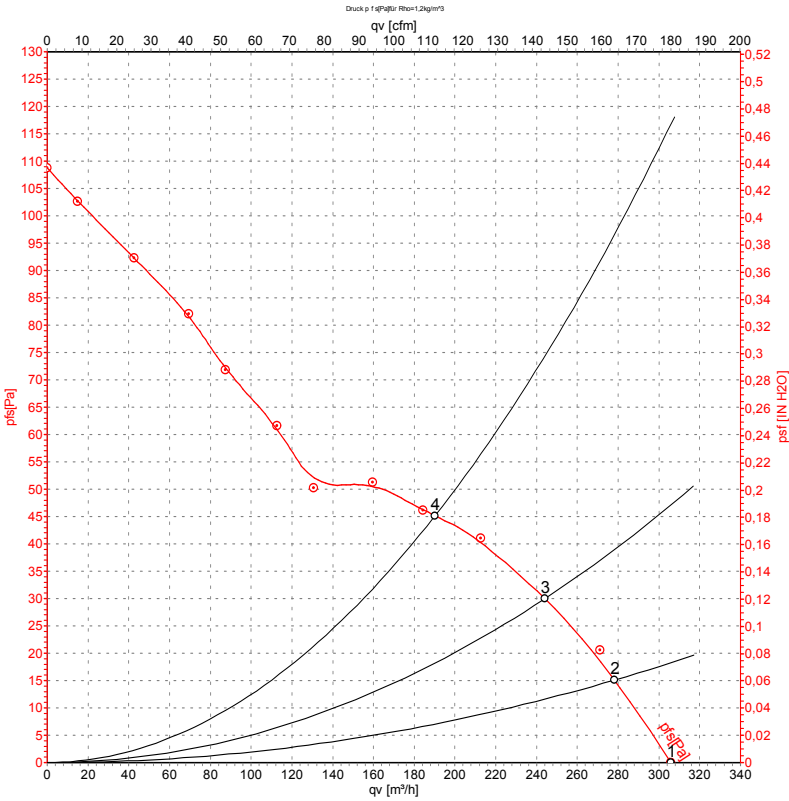
Connection screen



L	black
PE	green/yellow
N	black
TOP	Thermal overload protector



Charts: Air flow 50 Hz



Measurement: LU-32923

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.

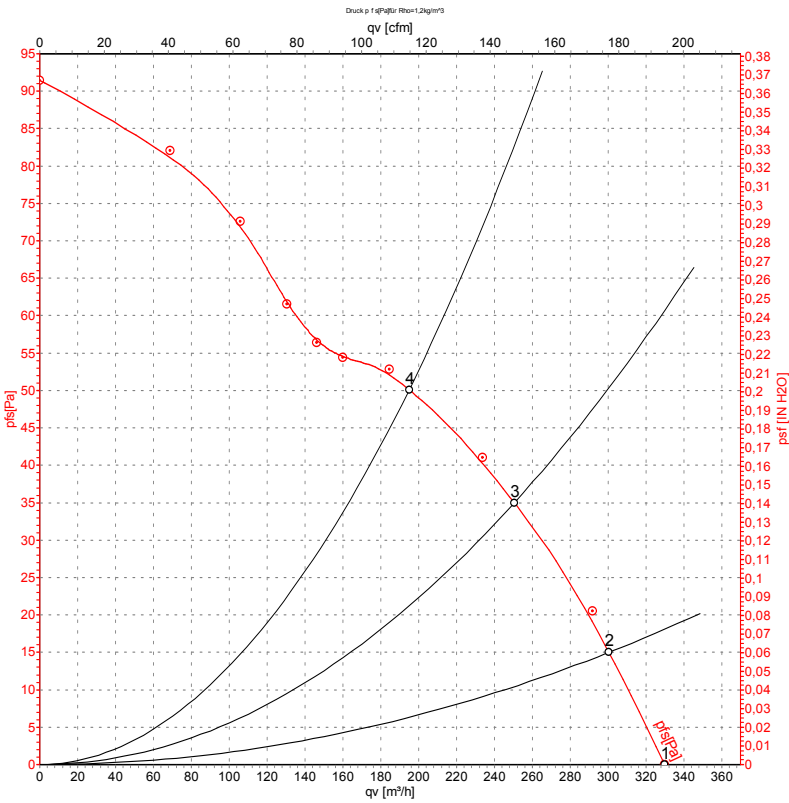
Measured values

	U	f	n	P _e	I	qv	p _{fs}
	V	Hz	min ⁻¹	W	A	m³/h	Pa
1	115	50	2515	35	0.45	305	0
2	115	50	2470	35	0.45	280	16
3	115	50	2445	35	0.44	245	30
4	115	50	2435	35	0.44	190	45

U = Supply voltage · f = Frequency · n = Speed · P_e = Power input · I = Current draw · qv = Air flow · p_{fs} = Pressure increase



Charts: Air flow 60 Hz



Measurement: LU-32924

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 _{fs}
	V	Hz	min ⁻¹	W	A	m³/h	Pa
1	115	60	2710	35	0.39	330	0
2	115	60	2640	35	0.39	300	16
3	115	60	2550	35	0.39	250	35
4	115	60	2530	35	0.39	195	50

U = Supply voltage · f = Frequency · n = Speed · P_e = Power input · I = Current draw · qv = Air flow · p_{fs} = Pressure increase

