W2S130-AA75-A2

AC axial compact fan

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Nominal data

Type	**W2S130-AA75-A2**
Motor	**M2S052-CA**

Phase		1~	1~
Nominal voltage	VAC	230	230
Frequency	Hz	50	60
Method of obtaining data		fa	fa
Valid for approval/standard		CE	UL 2111
Speed (rpm)	min^{-1}	2350	2300
Power consumption	W	30	33
Current draw	A	0.19	
Min. ambient temperature	°C	-25	-25
Max. ambient temperature	°C	80	85

ml = Max. load · me = Max. efficiency · fa = Free air · cs = Customer specification · ce = Customer equipment
Subject to change

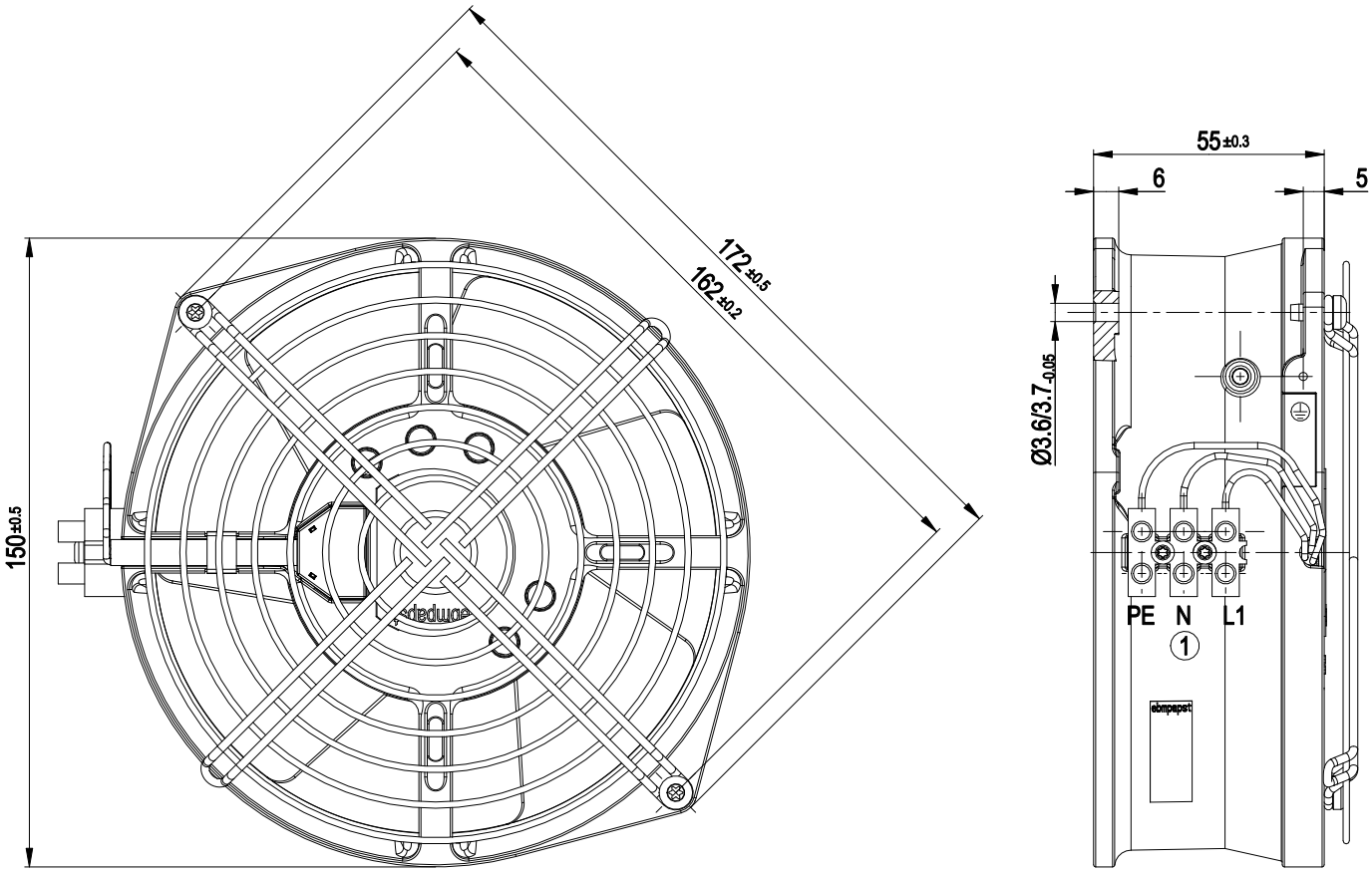
Technical description

Weight	1.1 kg
Fan size	130 mm
Rotor surface	Rotor open, painted black
Blade material	Sheet steel, painted black
Fan housing material	Die-cast aluminum
Guard grille material	Steel, galvanized and coated with white-aluminum plastic (RAL 9006)
Number of blades	7
Direction of rotation	"V"
Degree of protection	IP20
Insulation class	"B"
Max. permitted ambient temp. for motor (transport/storage)	+ 80 °C
Min. permitted ambient temp. for motor (transport/storage)	- 40 °C
Installation position	Any
Condensation drainage holes	None, open rotor
Mode	S1
Motor bearing	Ball bearing
Touch current according to IEC 60990 (measuring circuit Fig. 4, TN system)	< 0.75 mA
Motor protection	Thermal overload protector (TOP) internally connected
Protection class	I (with customer connection of protective earth)
Conformity with standards	EN 60335-1; CE
Approval	CCC; CSA C22.2 No. 77; UL 2111

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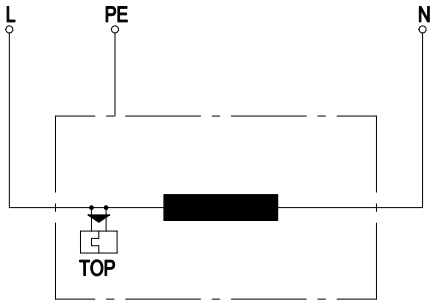
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Product drawing



1	Connection: terminal strip with 3 terminals.

Connection diagram

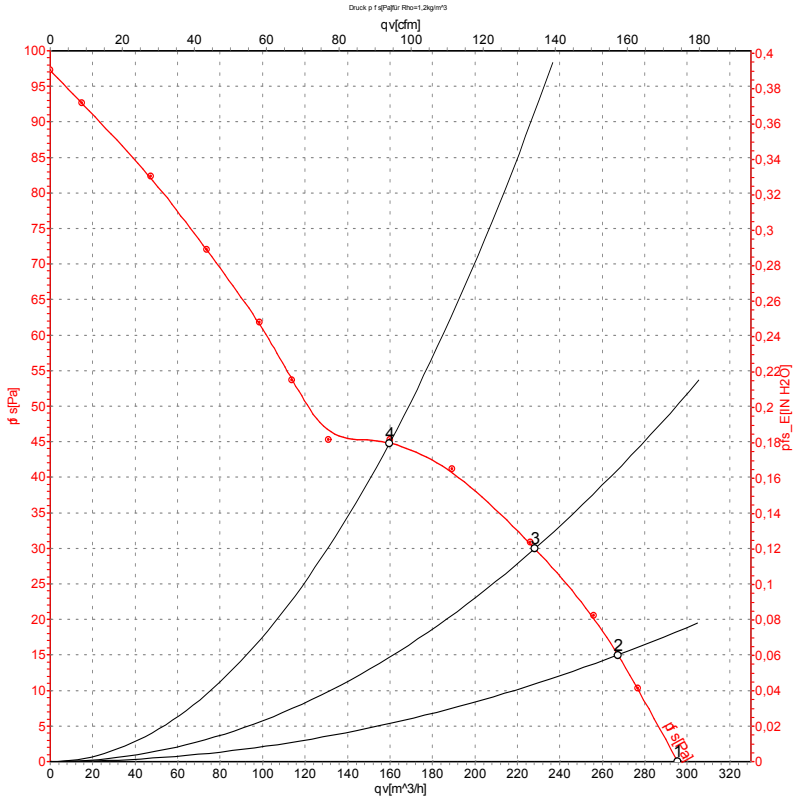


L	black
PE	green/yellow
N	black
TOP	Thermal overload protector

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AC axial compact fan

Curves: Air performance 50 Hz



Measurement: LU-32925-1

Air performance measured according to ISO 5801 installation category A. For detailed information on the measurement setup, contact ebm-papst. Intake sound level: Sound power level according to ISO 13347 / sound pressure level measured at 1 m distance from fan axis. The values given are valid under the specified measuring conditions and may vary due to conditions of installation. For deviations from the standard configuration, the parameters have to be checked on the installed unit.

Measured values

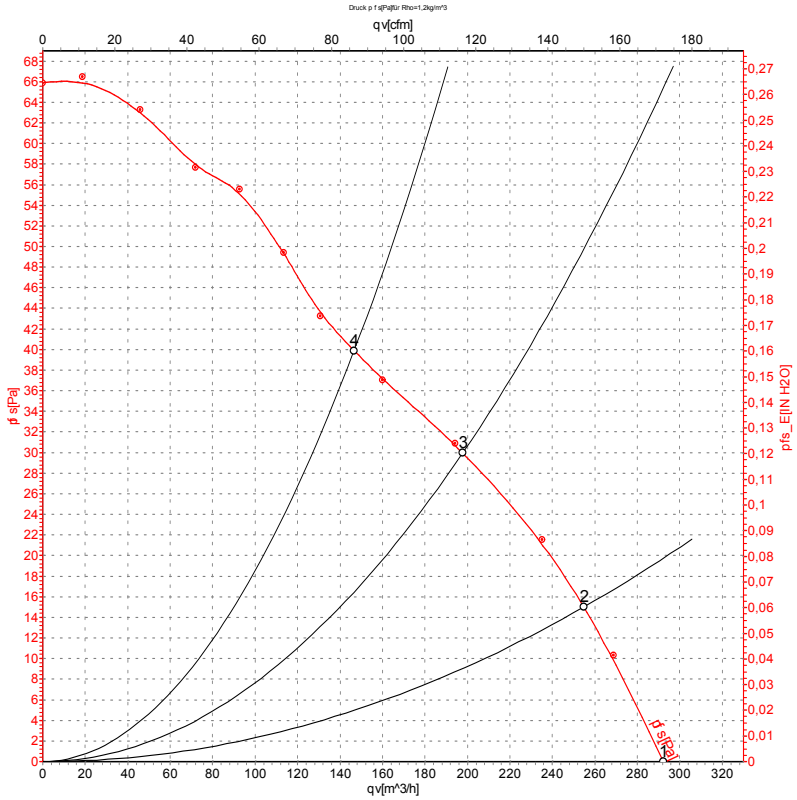
	U	f	n	P_e	I	qv	p_{fs}	qv	p_{fs}
	V	Hz	min^{-1}	W	A	m^3/h	Pa	CFM	inH2O
1	230	50	2430	30	0.19	295	0	175	0.00
2	230	50	2385	30	0.18	265	15	155	0.06
3	230	50	2340	30	0.19	230	30	135	0.12
4	230	50	2335	30	0.19	160	45	95	0.18

U = Power supply · f = Frequency · n = Speed (rpm) · P_e = Power consumption · I = Current draw · qv = Air flow · p_{fs} = Pressure increase

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AC axial compact fan

Curves: Air performance 60 Hz



Measurement: LU-32926-1

Air performance measured according to ISO 5801 installation category A. For detailed information on the measurement setup, contact ebm-papst. Intake sound level: Sound power level according to ISO 13347 / sound pressure level measured at 1 m distance from fan axis. The values given are valid under the specified measuring conditions and may vary due to conditions of installation. For deviations from the standard configuration, the parameters have to be checked on the installed unit.

Measured values

	U	f	n	P_e	I	qv	p_{fs}	qv	p_{fs}
	V	Hz	min^{-1}	W	A	m^3/h	Pa	CFM	inH2O
1	230	60	2400	33	0.16	290	0	170	0.00
2	230	60	2290	33	0.16	255	15	150	0.06
3	230	60	2165	33	0.17	200	30	115	0.12
4	230	60	2205	33	0.17	145	40	85	0.16

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