W1G350-CB19-08

EC axial fan - ESM

sickled blades (S series)

Wall ring with guard grille

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Nominal data

Type	**W1G350-CB19-08**
Motor	**M1G055-BI**

Phase		1~	1~
Nominal voltage	VAC	230	230
Frequency	Hz	50/60	50/60
Type of data definition		ml	ml
Speed	min^{-1}	400	800
Power input	W	4.6	26
Current draw	A	0.045	0.22
Min. ambient temperature	°C	-30	-30
Max. ambient temperature	°C	50	50

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

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Technical features

Size	350 mm
Surface of rotor	Cast in PA plastic
Material of blades	PA plastic
Material of wall ring	Sheet steel, pre-galvanised and coated in black plastic
Material of guard grille	Steel, phosphated and coated in black plastic
Number of blades	5
Direction of air flow	"V"
Direction of rotation	Counter-clockwise, seen on rotor
Type of protection	IP 54
Insulation class	"B"
Humidity class	F3-1
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
Technical features	- Over-temperature protected motor Soft start - Speed selection max/min
EMC interference immunity	Acc. to EN 61000-6-2
EMC harmonics	Acc. to EN 61000-3-2/3
EMC interference emission	Acc. to EN 61000-6-3 (household environment)
Motor protection	Thermal overload protector (TOP) wired internally
Cable exit	Lateral
Protection class	II
Product conforming to standard	EN 60335-1; CE

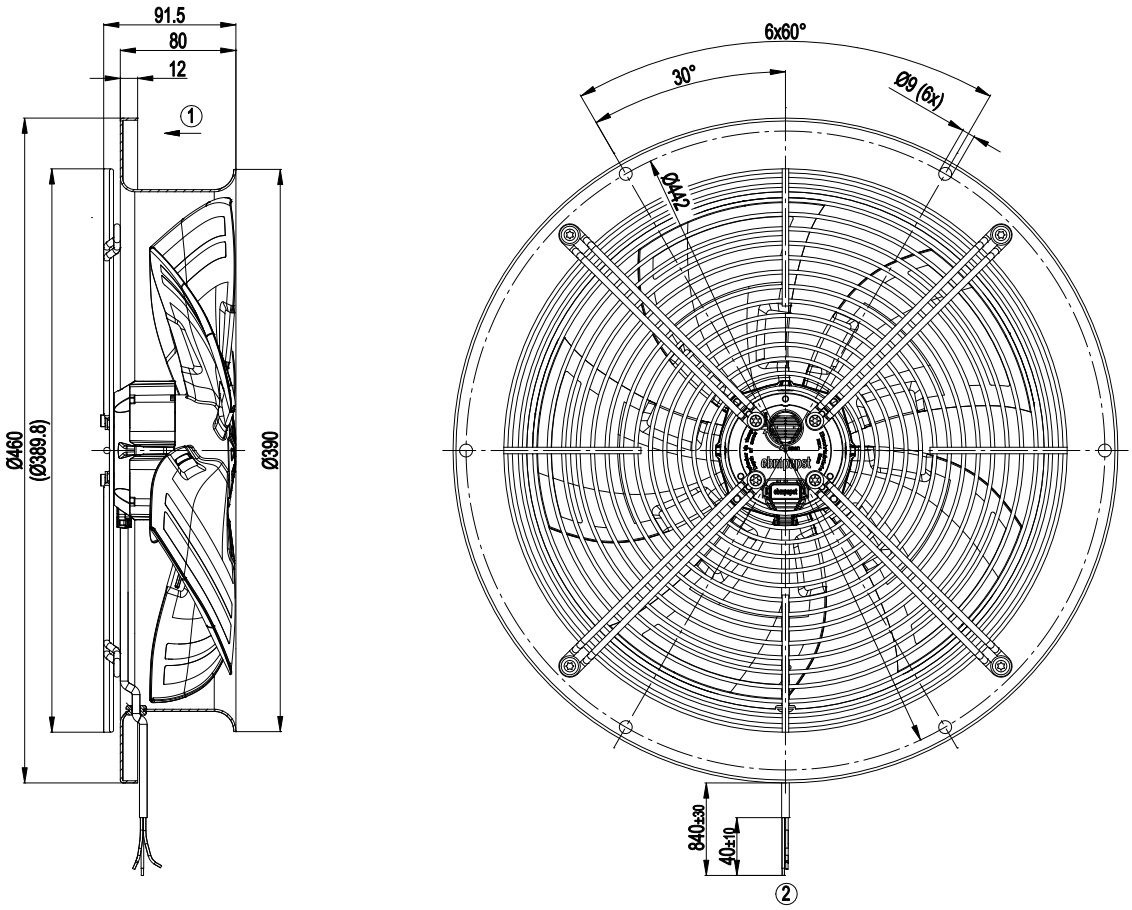
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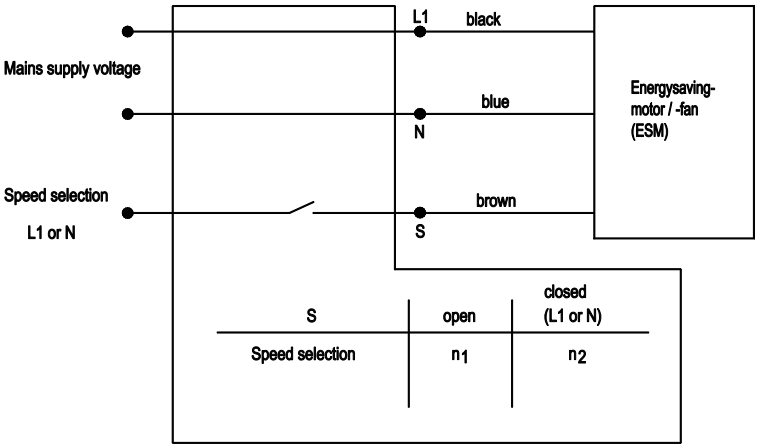
Wall ring with guard grille

Product drawing



1	Direction of air flow "V"
2	Connection line AWG 20, 3x brass lead tips crimped

Connection screen



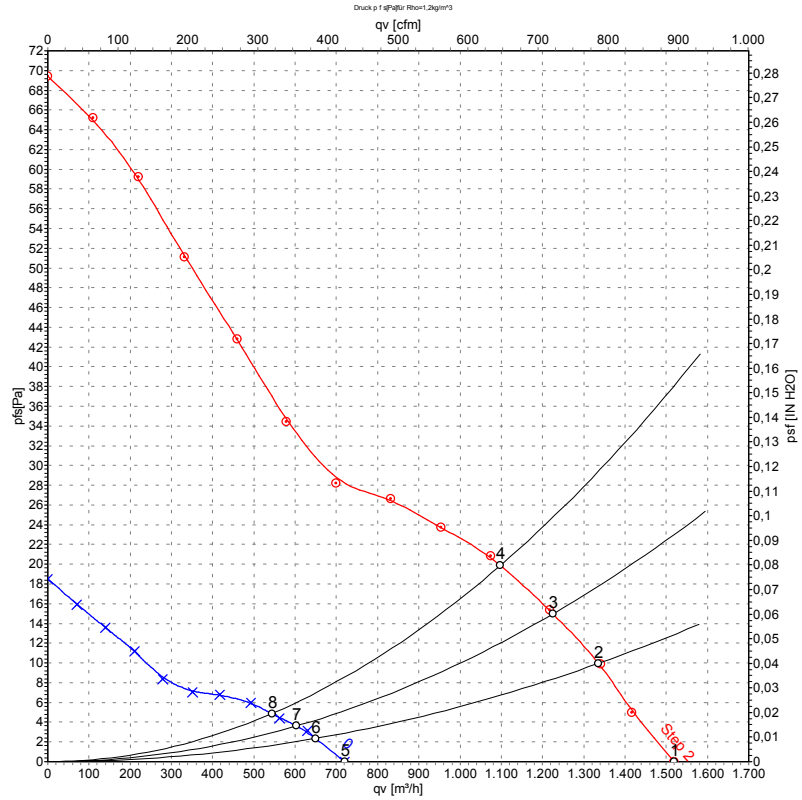
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Charts: Air flow 50 Hz



Measurement: LU-125661
Measurement: LU-125668

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: LwA measured as per ISO 13347 / LpA 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

	Stage	U	f	n	P_{ed}	I	qv	p_{fs}
		V	Hz	min^{-1}	W	A	m^3/h	Pa
1	2	230	50	800	15	0.12	1520	0
2	2	230	50	800	20	0.17	1335	10
3	2	230	50	800	23	0.19	1225	15
4	2	230	50	800	26	0.22	1100	20
5	1	230	50	400	3.4	0.00	720	0
6	1	230	50	400	3.9	0.03	650	2
7	1	230	50	400	4.3	0.04	605	4
8	1	230	50	400	4.6	0.05	545	5

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

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