S2S150-BR11-10

AC axial fan

straight blades (A series)

with guard grille for full nozzle

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Nominal data

Type	**S2S150-BR11-10**
Motor	**M2S052-CA**

Phase		1~	1~
Nominal voltage	VAC	230	230
Frequency	Hz	50	60
Type of data definition		ml	ml
Valid for approval / standard		CE	CE
Speed (rpm)	min^{-1}	2740	3080
Power input	W	39	39
Current draw	A	0.26	0.23
Min. ambient temperature	°C	-25	-25
Max. ambient temperature	°C	55	70
Starting current	A	0.39	0.33

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

Mass	1.2 kg
Size	150 mm
Surface of rotor	Coated in black
Material of blades	PA plastic
Material of guard grille	Steel, coated in black plastic (RAL9005)
Number of blades	5
Direction of air flow	"A"
Direction of rotation	Clockwise, seen on rotor
Type of protection	IP 66
Insulation class	"F"
Humidity (F)/environmental protection class (H)	H1
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Mounting position	Shaft horizontal or rotor on bottom; rotor on top on request
Condensate discharge holes	None
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	CE

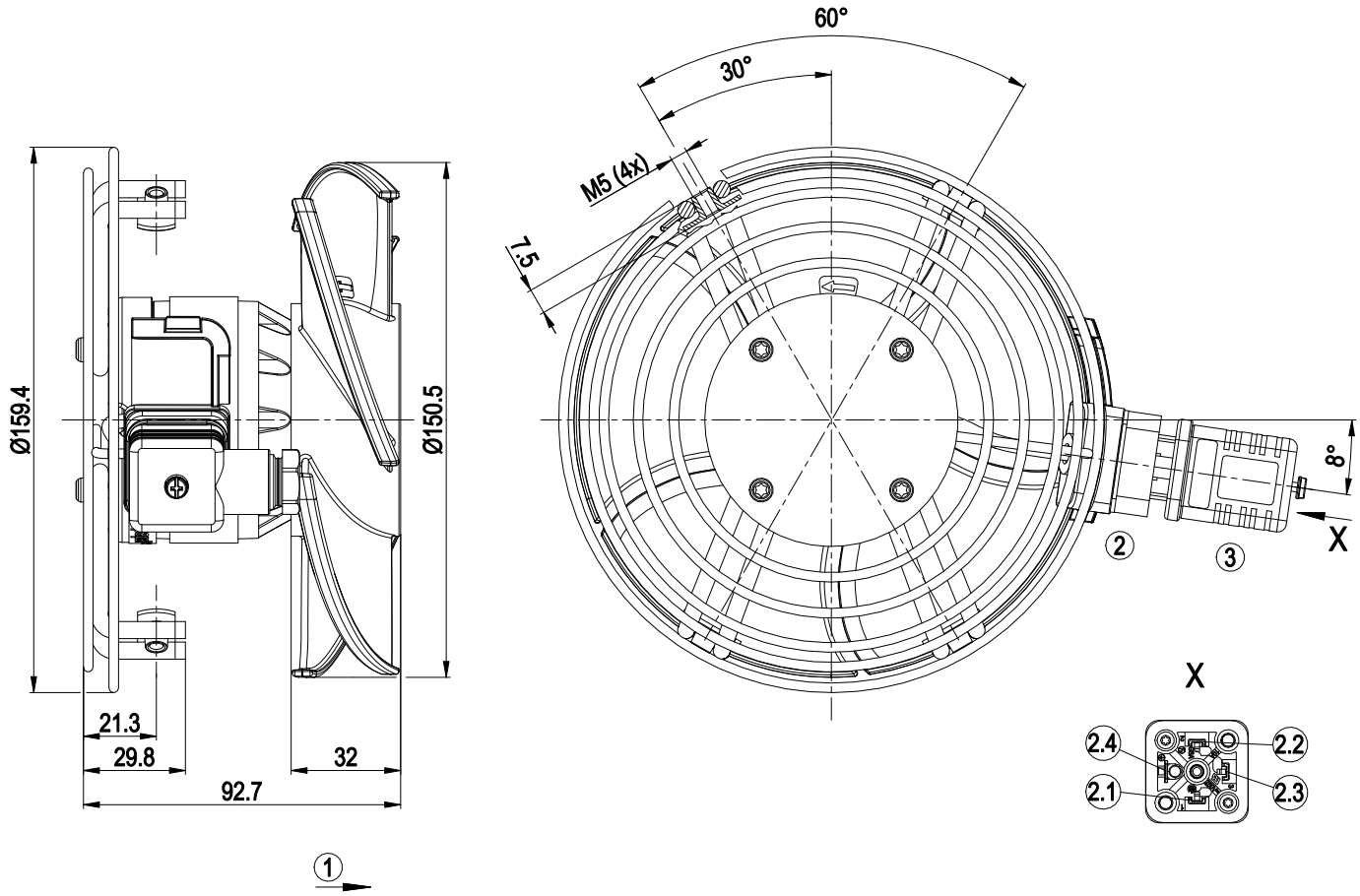
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Product drawing



1	Direction of air flow "A"
2	4-pole connector housing Hirschmann GSA 3000
2.1	L (brown)
2.2	N (blue)
2.3	not used
2.4	PE (green/yellow)
3	4-pole connector housing Hirschmann GDM 3016

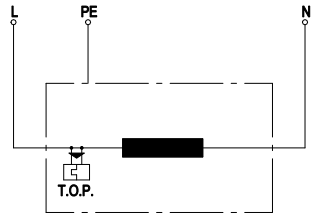
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Connection screen



L	brown
PE	green/yellow
N	blue
TOP	Thermal overload protector

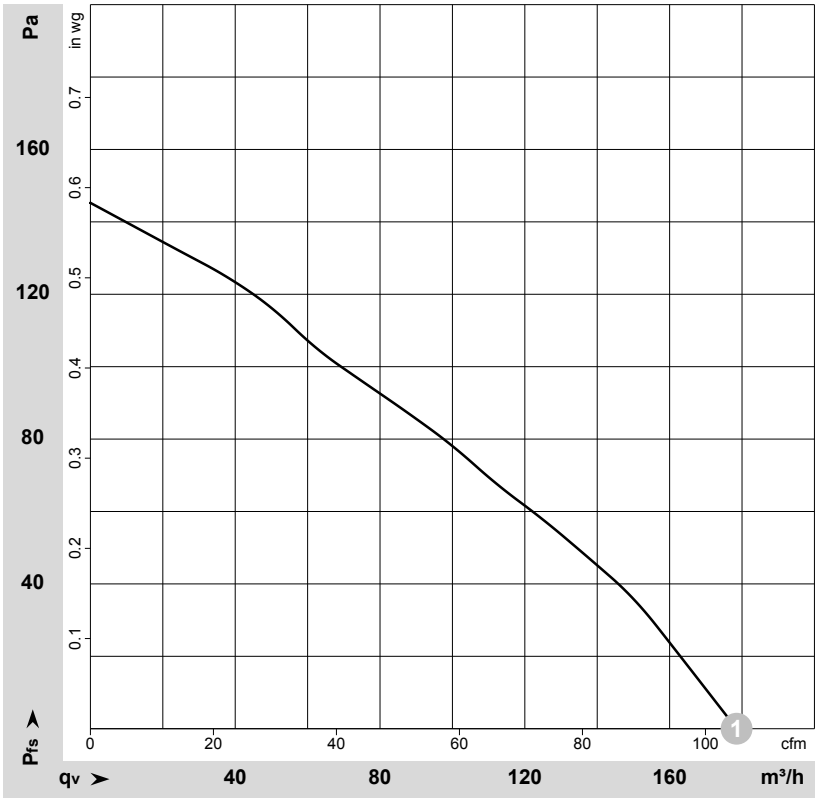
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Charts: Air flow 50 Hz



ρ = 1.15 kg/m³ ± 2 %

Measurement: LU-162397-1

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_e	I	q_V	q_V	p_{fs}
		V	Hz	min^{-1}	W	A	m^3/h	cfm	inH2O
1	1	230	50	2740	39	0.26	180	105	0.00

U = Supply voltage · f = Frequency · n = Speed (rpm) · P_e = Power input · I = Current draw · q_V = Air flow

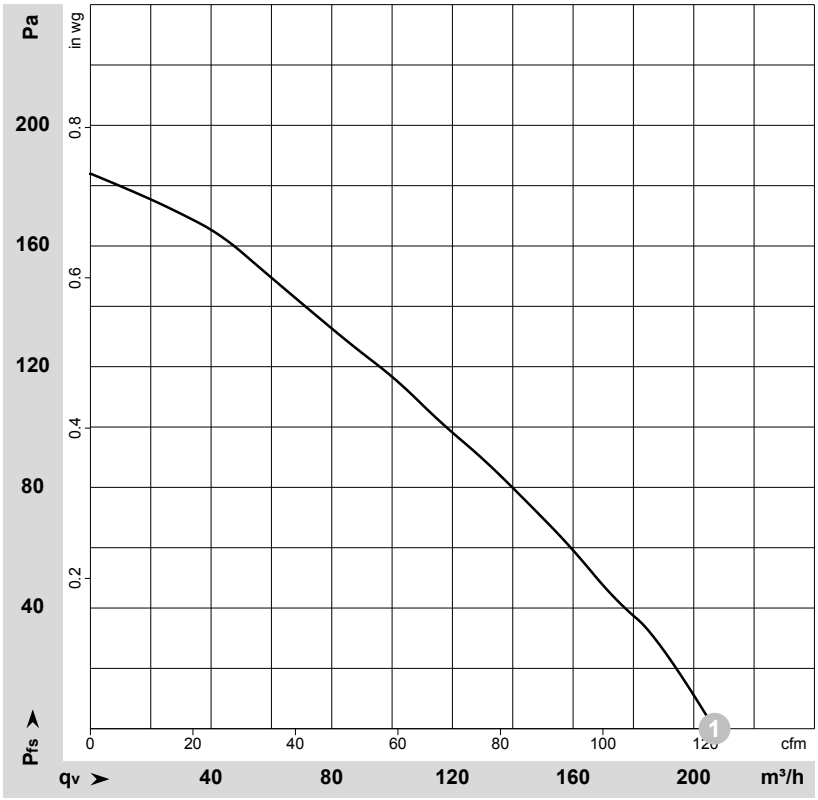
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Charts: Air flow 60 Hz



ρ = 1.15 kg/m³ ± 2 %

Measurement: LU-162489-1

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_e	I	q_V	q_V	p_{fs}
		V	Hz	min^{-1}	W	A	m^3/h	cfm	inH2O
1	1	230	60	3080	39	0.23	205	120	0.00

U = Supply voltage · f = Frequency · n = Speed (rpm) · P_e = Power input · I = Current draw · q_V = Air flow

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