S2D250-BA06-26

AC axial fan

straight blades (A series)

with guard grille for full nozzle

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Nominal data

Type	**S2D250-BA06-26**
Motor	**M2D068-DF**

Phase		3~	3~	3~	3~
Nominal voltage	VAC	200	200	230	230
Connection		Δ	Δ	Δ	Δ
Frequency	Hz	50	60	50	60
Type of data definition		cu	cu	cu	cu
Valid for approval / standard		-	-	-	-
Speed (rpm)	min^{-1}	2300	2350	2450	2580
Power input	W	100	130	110	150
Current draw	A	0.34	0.40	0.33	0.42
Min. ambient temperature	°C	-25	-25	-25	-25
Max. ambient temperature	°C	50	50	85	60

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	2.7 kg
Size	250 mm
Motor size	68
Surface of rotor	Coated in black
Material of terminal box	ABS plastic
Material of guard grille	Steel, coated in black plastic (RAL9005)
Number of blades	5
Direction of air flow	V
Direction of rotation	Counter-clockwise, seen on rotor
Type of protection	IP54; Depending on installation and position as per EN 60034-5
Insulation class	"B"
Humidity (F) / environmental protection class (H)	H2; F3-2
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
Condensation drainage holes	Rotor-side
Operation mode	S1
Motor bearing	Ball bearing
Touch current acc. IEC 60990 (measuring network Fig. 4, TN system)	< 0.75 mA
Electrical connection	Terminal box
Cable exit	Axial
Protection class	I (if protective earth is connected by customer)
Product conforming to standard	DIN IEC 60038; CE
Approval	UL 1004-1; CSA C22.2 no. 100

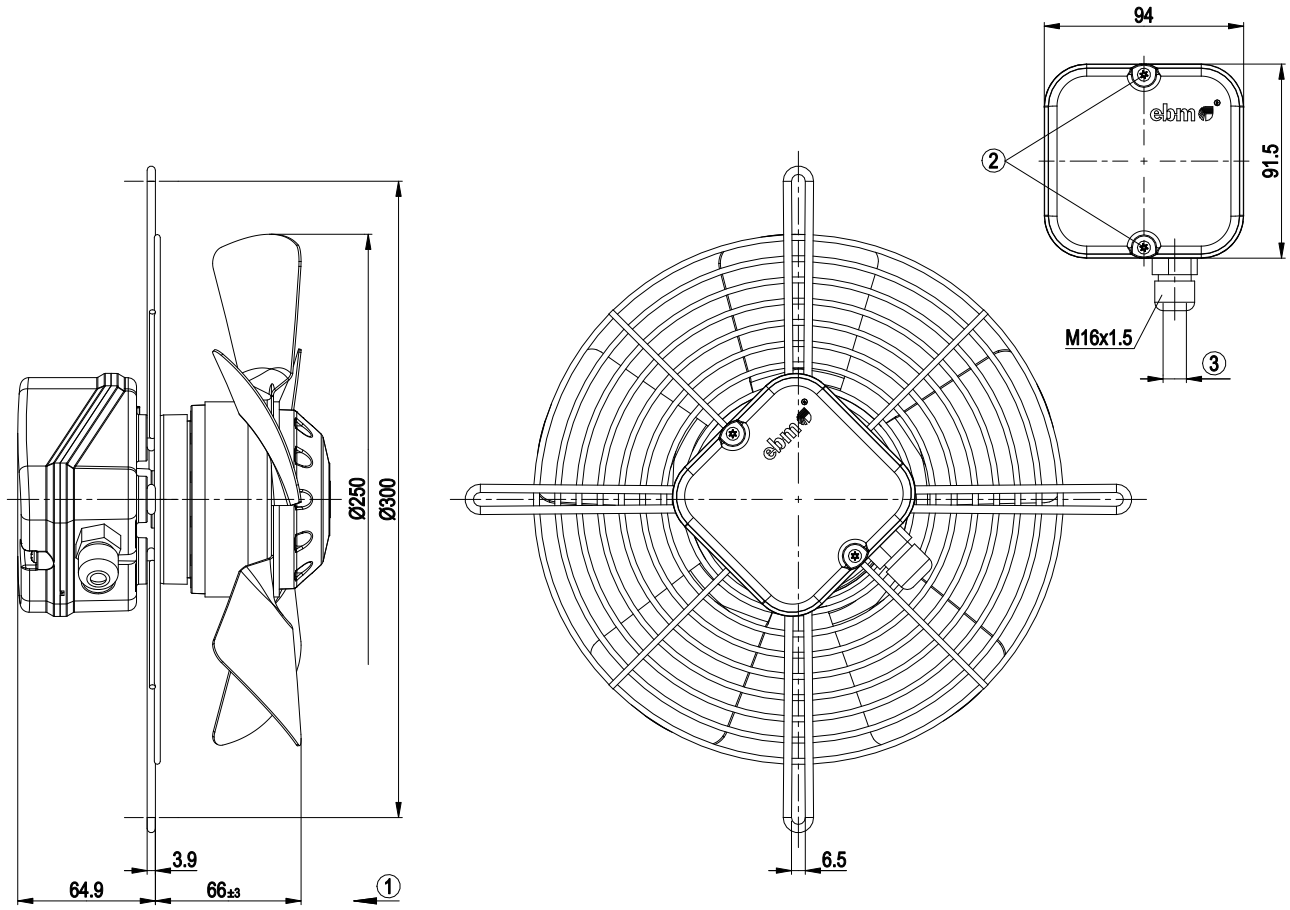
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Product drawing



1	Direction of air flow "V"
2	Tightening torque 0.5±0.1 Nm
3	Cable diameter: max. 7.5 mm, tightening torque 1.3±0.2 Nm

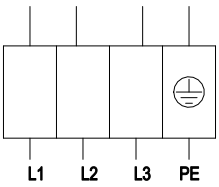
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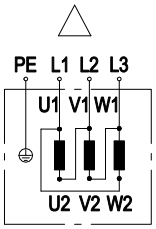
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Connection screen





Δ	Delta connection	L1	= U1 = black	L2	= V1 = blue
L3	= W1 = brown	PE	green / yellow		

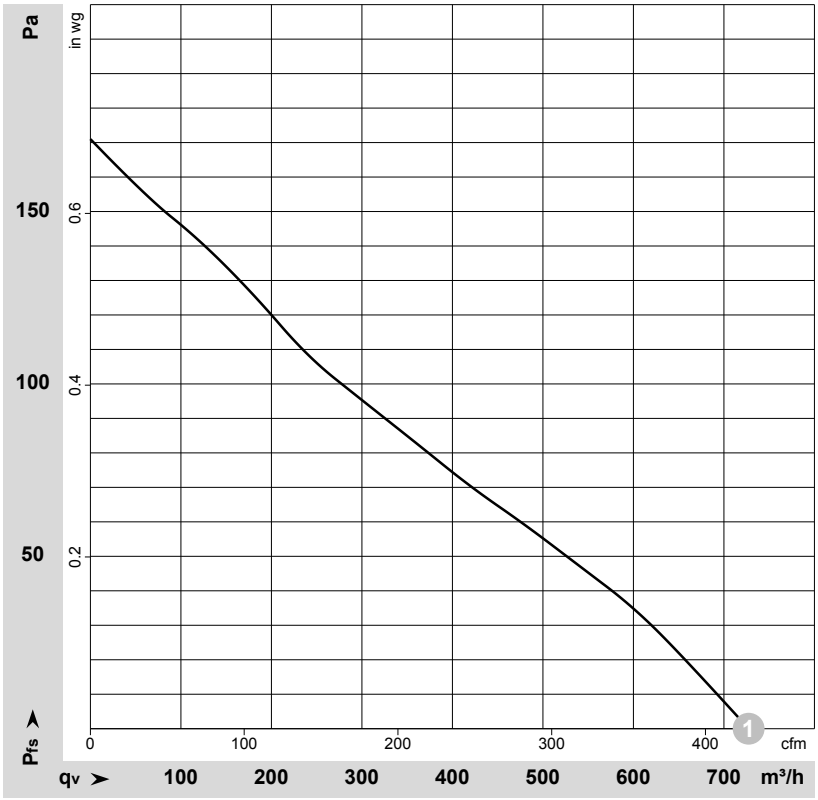
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Charts: Air flow 50 Hz



ρ = 1.15 kg/m³ ± 2 %

Measurement: LU-150830-1

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

	Conn.	U	f	n	P_e	I	q_V	q_V	p_{fs}
		V	Hz	min^{-1}	W	A	m^3/h	cfm	in. wg
1	Δ	200	50	2300	100	0.34	725	430	0.00

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

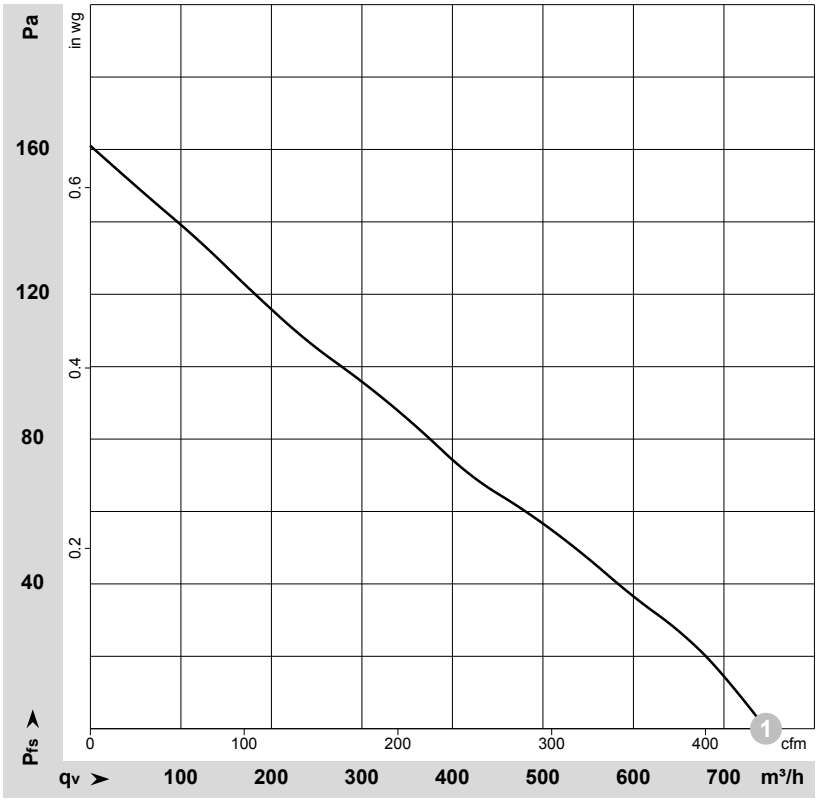
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Charts: Air flow 60 Hz



ρ = 1.15 kg/m³ ± 2 %

Measurement: LU-150832-1

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

	Conn.	U	f	n	P_e	I	q_V	q_V	p_{fs}
		V	Hz	min^{-1}	W	A	m^3/h	cfm	in. wg
1	Δ	200	60	2350	130	0.40	745	440	0.00

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

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