S4E315-AC08-07

AC axial fan

straight blades (A series), single inlet

with guard grille for short nozzle

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Nominal data

Type	**S4E315-AC08-07**
Motor	**M4E068-DF**

Phase		1~	1~
Nominal voltage	VAC	230	230
Frequency	Hz	50	60
Type of data definition		fa	fa
Valid for approval / standard		CE	CE
Speed	min^{-1}	1370	1530
Power input	W	95	135
Current draw	A	0.42	0.6
Motor capacitor	µF	3	3
Capacitor voltage	VDB	400	400
Max. back pressure	Pa	75	65
Min. ambient temperature	°C	-40	-40
Max. ambient temperature	°C	40	40

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

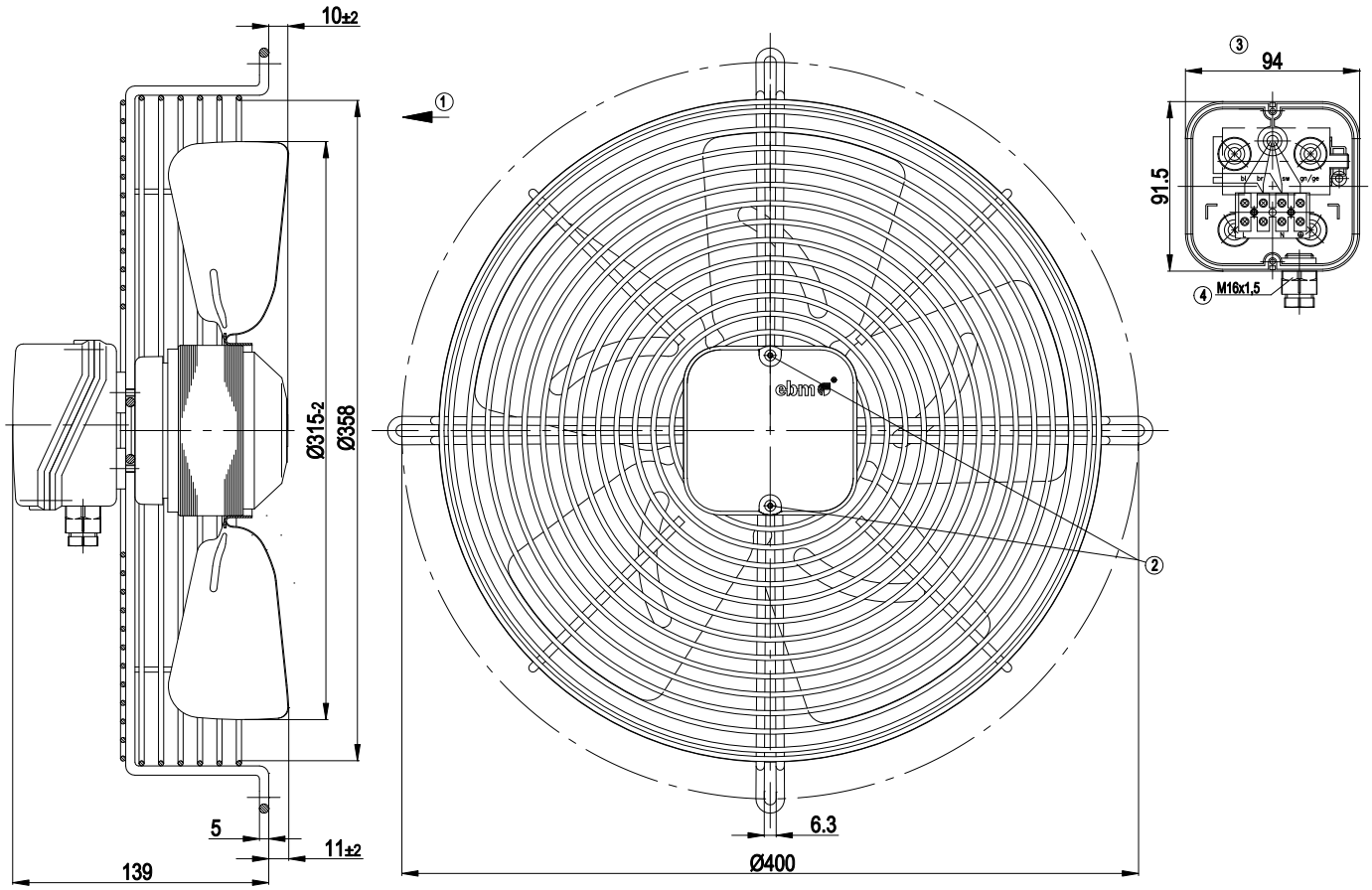
Mass	3.7 kg
Size	315 mm
Surface of rotor	Coated in black
Material of blades	Sheet steel, coated in black
Number of blades	5
Direction of air flow	"V"
Direction of rotation	Counter-clockwise, seen on rotor
Type of protection	IP 44
Insulation class	"B"
Humidity class	F2-2
Max. permissible ambient motor temp. (transp./ storage)	+ 70 °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	Rotor-side
Operation mode	S1
Motor bearing	Ball bearing with anti-freezing grease
Touch current acc. IEC 60990 (measuring network Fig. 4, TN system)	< 0.75 mA
Electrical leads	Via terminal box, integrated capacitor connected via terminal box
Motor protection	Thermal overload protector (TOP) wired internally
Cable exit	Axial
Protection class	I (if protective earth is connected by customer)
Product conforming to standard	EN 60335-1; CE
Approval	CCC; EAC

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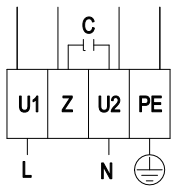
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Product drawing



1	Direction of air flow "V"
2	Tightening torque 0.7 Nm ± 0.2 Nm
3	Illustration without terminal box cover
4	Cable diameter: min. 4 mm, max. 8 mm; tightening torque: 1.3 Nm ± 0.2 Nm

Connection screen



L	= U1 = blue	Z	brown	N	= U2 = black
PE	green/yellow				

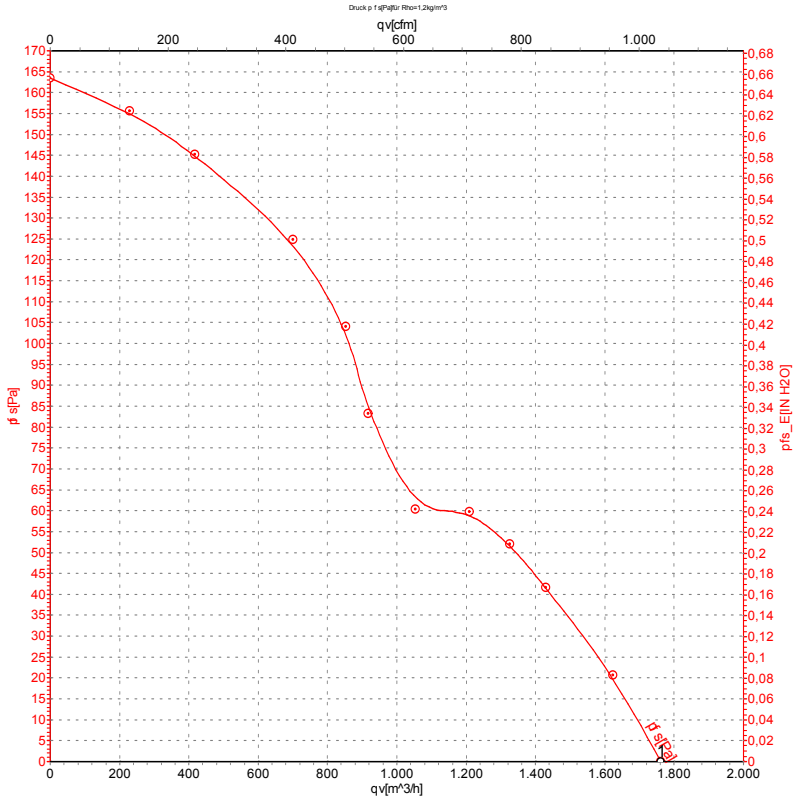
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Charts: Air flow 50 Hz



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

	U	f	n	P_e	I	qv
	V	Hz	min^{-1}	W	A	m^3/h
1	230	50	1370	95	0.42	1760

U = Supply voltage · f = Frequency · n = Speed · P_e = Power input · I = Current draw · qv = Air flow

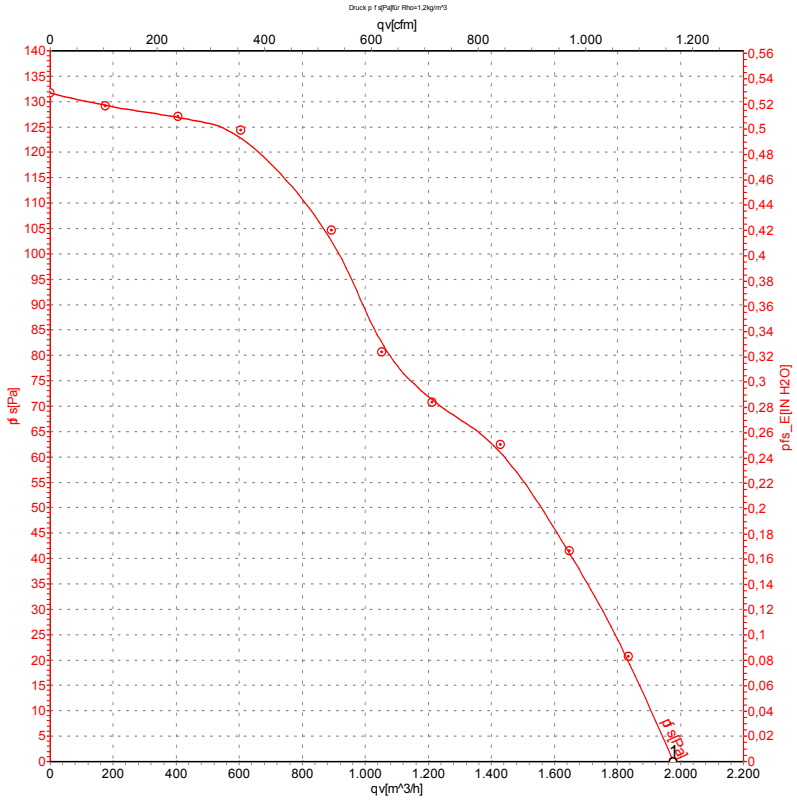
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Charts: Air flow 60 Hz



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Measured values

	U	f	n	P_e	I	qv
	V	Hz	min^{-1}	W	A	m^3/h
1	230	60	1530	135	0.60	1970

U = Supply voltage · f = Frequency · n = Speed · P_e = Power input · I = Current draw · qv = Air flow

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