S6E300-AB02-07

AC axial fan with guard grille for short nozzle

straight blades (A series)

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Nominal data

Type	**S6E300-AB02-07**
Motor	**M6E068-CF**

Phase		1~	1~
Nominal voltage	[V]	230	230
Frequency	[Hz]	50	60
Type of data definition		rfa	rfa
Valid for approval / standard		CE	CE
Speed	[min^{-1}]	870	960
Power input	[W]	36	38
Current draw	[A]	0,16	0.17
Motor capacitor	[µF]	1	1
Capacitor voltage	[VDB]	400	400
Max. ambient temperature	[°C]	75	70
Back pressure	[Pa]	0	0

ml = max. load · me = max. efficiency · rfa = running at free air · cs = customer specs · cu = customer unit
Subject to alterations

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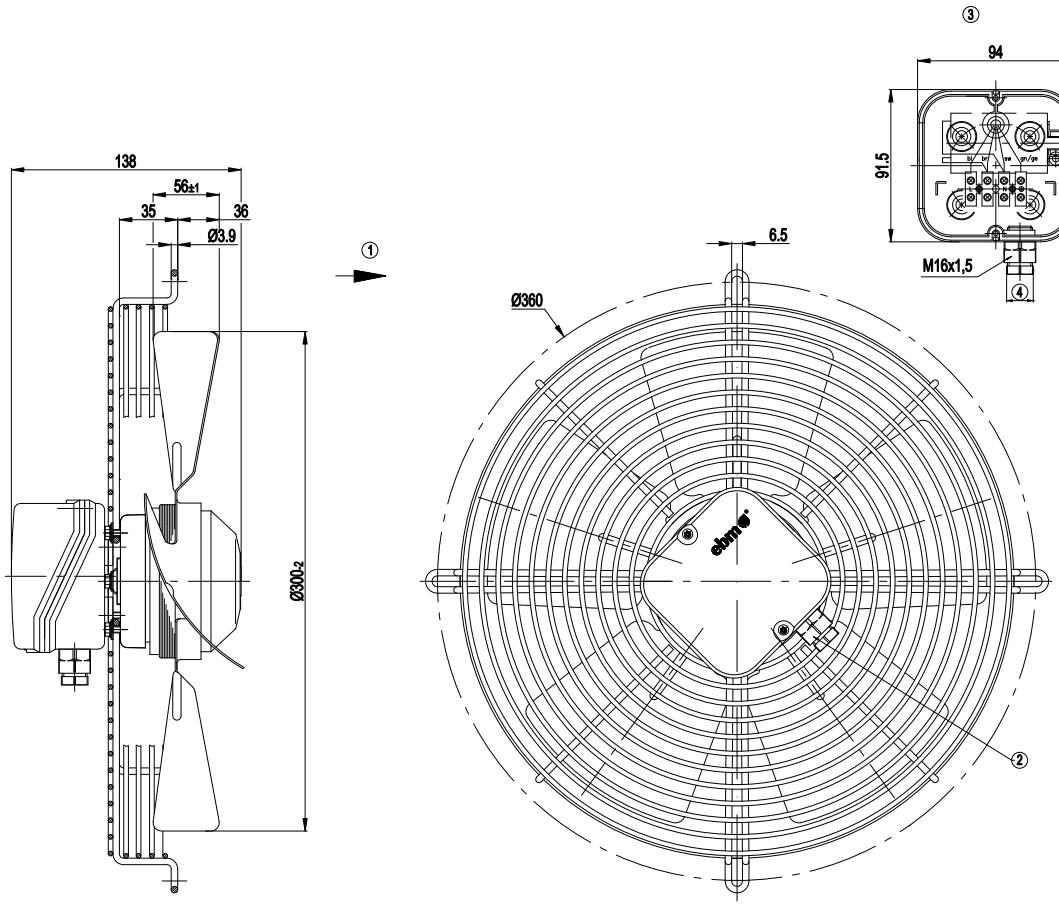
Technical features

Leackage current	< 0,75 mA
Size	300 mm
Operation mode	S1
Direction of rotation	Clockwise, seen on rotor
Mounting position	Shaft horizontal or rotor on bottom; rotor on top on request
Electrical leads	Via terminal box, integrated capacitor connected via terminal box
Direction of air flow	"A"
Insulation class	"B"
Cable exit	Axial
Condensate discharge holes	Rotor-side
Bearing motor	Ball bearing with anti-freezing grease
Mass	2.7 kg
Material of terminal box	ABS plastic, black
Material of blades	Sheet steel, coated in black
Material of guard grille	Steel, phosphated and black plastic-coated
Motor protection	Thermal overload protector (TOP) wired internally
Product conforming to standard	CE; EN 60335-1
Surface of rotor	Coated in black
Number of blades	5
Type of protection	IP 44 - depending on position
Protection class	I
Max. permissible ambient motor temp. (transp./ storage)	+ 70 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C

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Product drawing

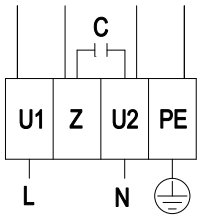


1	Direction of air flow "V"
2	Tightening torque 0.8 Nm
3	Illustration without terminal box cover
4	Cable diameter max 7.5 mm; tightening torque 2 Nm

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Connection screen



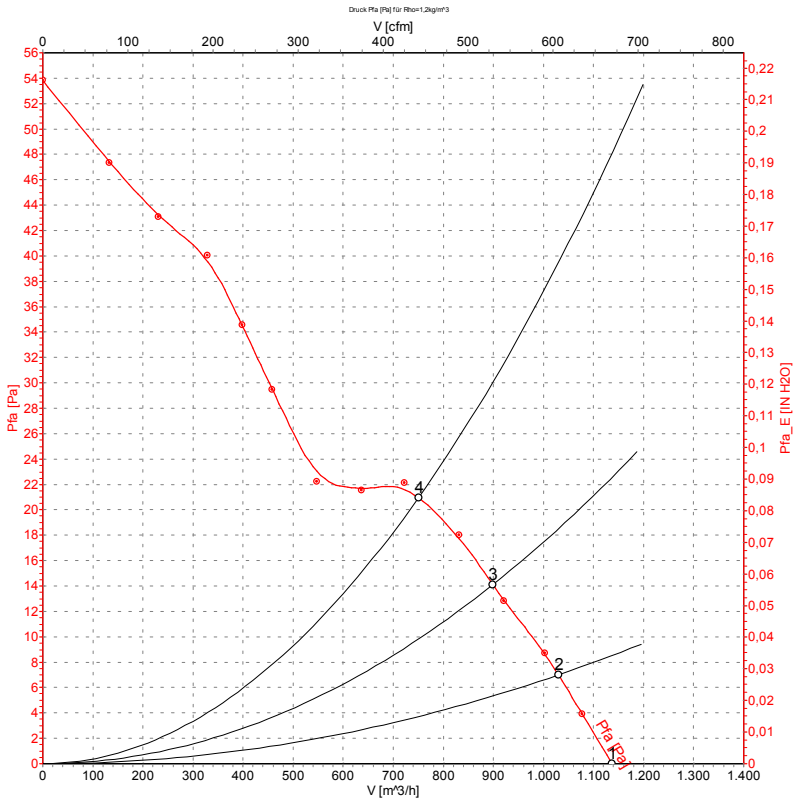
L	= U1 = blue	Z	brown	N	= U2 = black
PE	green/yellow				

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straight blades (A series)

Charts: Air flow 50 Hz



Measurement: LU-4300

Measured values

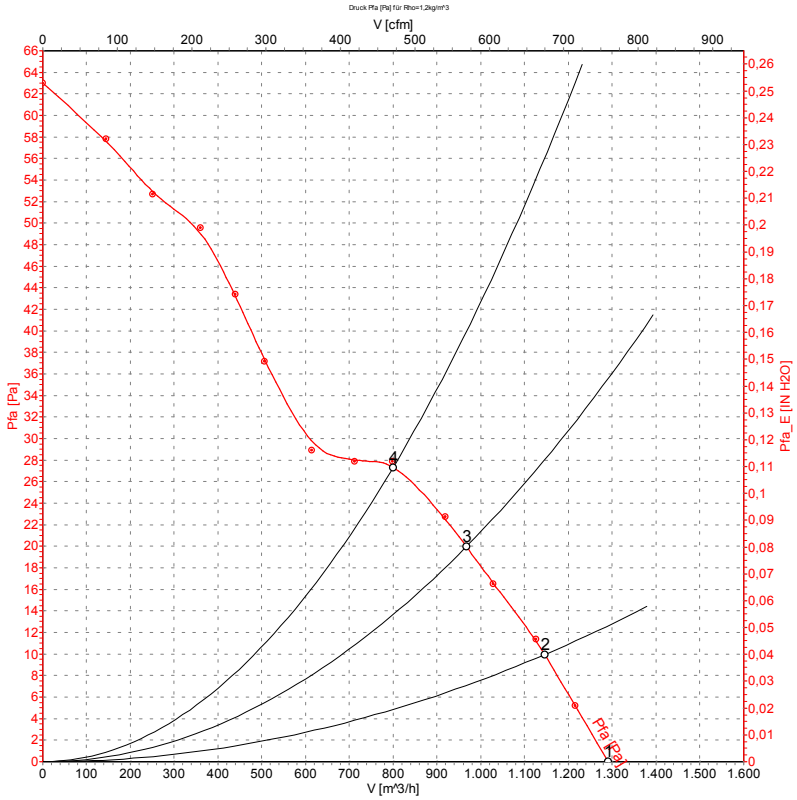
	U	f	n	P_1	I	$\dot{V}$	p_{fa}
	[V]	[Hz]	[min^{-1}]	[W]	[A]	[m^3/h]	[Pa]
1	230	60	870	36	0.16	1135	0
2	230	60	865	36	0.16	1030	7
3	230	60	855	36	0.16	900	14
4	230	60	850	36	0.16	750	21

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AC axial fan with guard grille for short nozzle

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Charts: Air flow 60 Hz



Measurement: LU-4300

Measured values

	U	f	n	P_1	I	$\dot{V}$	p_{fa}
	[V]	[Hz]	[min^{-1}]	[W]	[A]	[m^3/h]	[Pa]
1	230	60	995	38	0.16	1290	0
2	230	60	970	38	0.16	1145	10
3	230	60	950	39	0.17	965	20
4	230	60	940	40	0.17	800	28

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