S4E350-AP06-59

AC axial fan

sickled blades (S series)

with guard grille for short nozzle



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Nominal data

Type	**S4E350-AP06-59**
Motor	**M4E074-DF**

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}]	1400	1590
Power input	[W]	130	190
Current draw	[A]	0.58	0.83
Motor capacitor	[µF]	4	4
Capacitor voltage	[VDB]	400	400
Max. back pressure	[Pa]	90	60
Max. ambient temperature	[°C]	55	55

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	350 mm
Operation mode	S1
Direction of rotation	Counter-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
Humidity class	F1-2
Direction of air flow	"V"
Insulation class	"F"
Cable exit	Axial
Condensate discharge holes	Rotor-side
Bearing motor	Ball bearing
Mass	5.2 kg
Material of terminal box	ABS plastic, black
Material of blades	Sheet steel, coated in black
Material of guard grille	Steel, phosphated and coated in black plastic
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 installation and position as per EN 60034-5
Protection class	I
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Approval	CCC

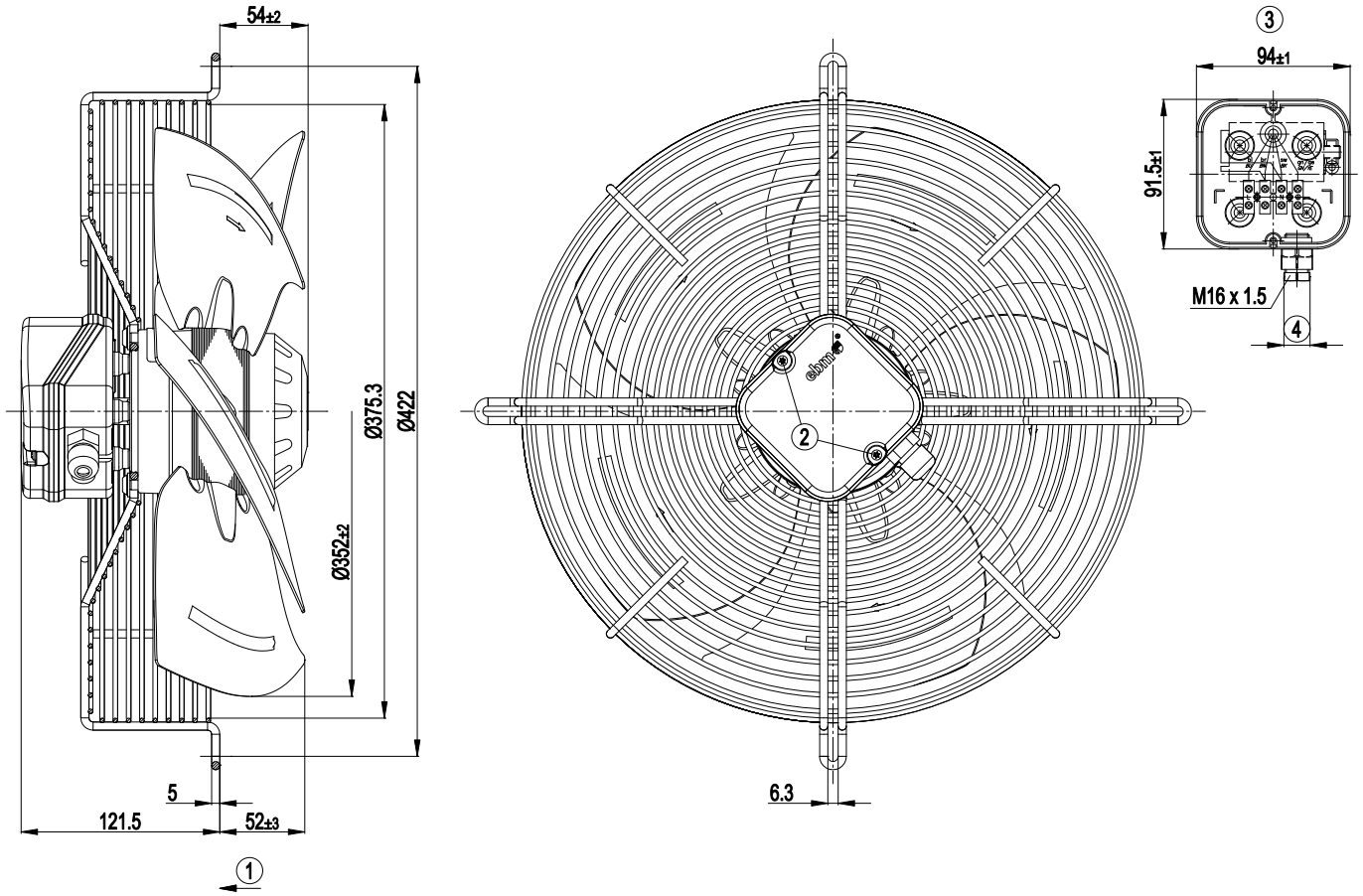
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Product drawing



1	Direction of air flow "V"
2	Tightening torque 0,7 ± 0,2 Nm
3	Illustration without terminal box cover
4	Cable diameter max. 7.5 mm; tightening torque 1.3 ± 0.2 Nm

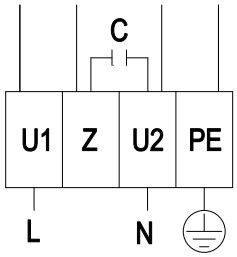
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Terminal connections



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

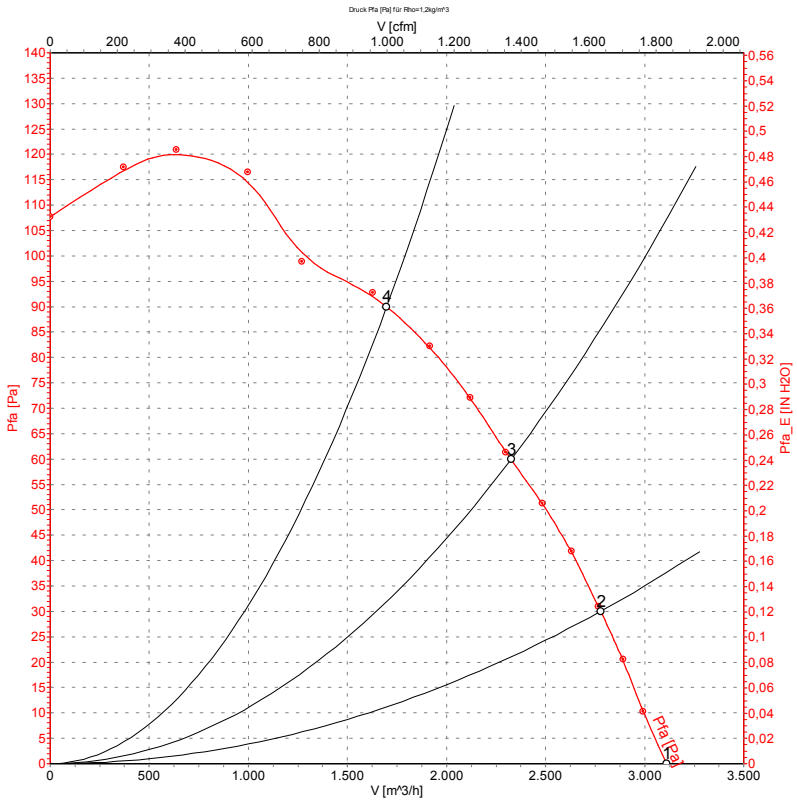
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Charts: Air flow 50 Hz



Measurement: LU-28525

Measured values

	U	f	n	P_1	I	$\dot{V}$	p_{fa}
	[V]	[Hz]	[min^{-1}]	[W]	[A]	[m^3/h]	[Pa]
1	230	50	1400	130	0.58	3110	0
2	230	50	1380	140	0.61	2780	30
3	230	50	1355	151	0.66	2325	60
4	230	50	1290	174	0.76	1700	90

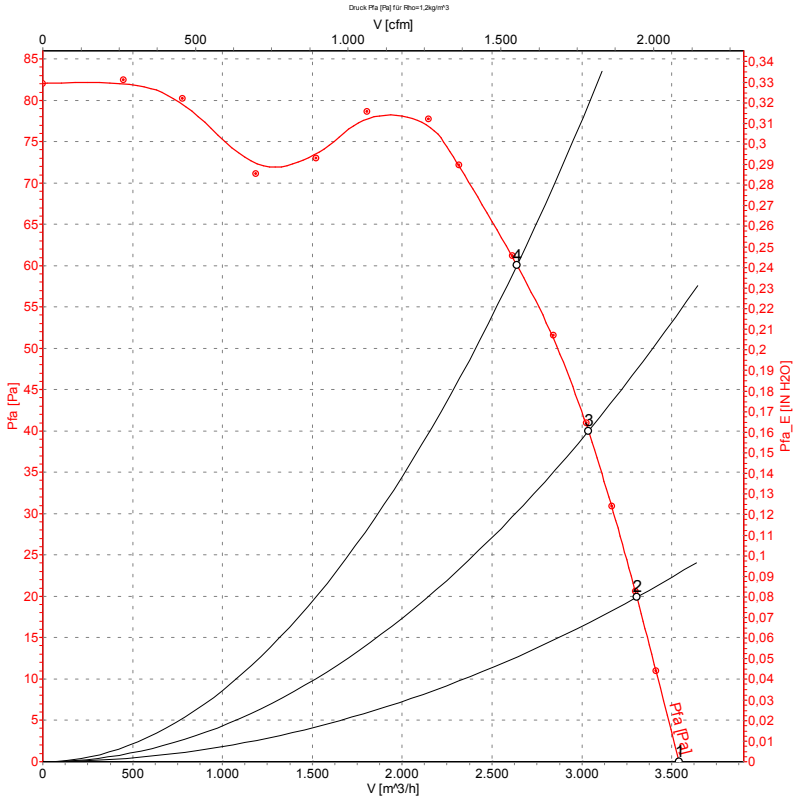
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Charts: Air flow 60 Hz



Measurement: LU-28527

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	1590	190	0.83	3540	0
2	230	60	1565	196	0.85	3305	20
3	230	60	1520	203	0.88	3035	40
4	230	60	1455	208	0.90	2640	60

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