S6E450-AP02-01

AC axial fan

sickled blades (S series)

with guard grille for short nozzle

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Nominal data

Type	**S6E450-AP02-01**		
Motor	**M6E074-GA**		
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}]	940	1070
Power input	[W]	165	225
Current draw	[A]	0.8	0.98
Motor capacitor	[µF]	4	4
Capacitor voltage	[VDB]	450	450
Max. back pressure	[Pa]	70	45
Max. ambient temperature	[°C]	60	60

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	450 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
Humidity class	F1-2
Direction of air flow	"V"
Insulation class	"F"
Cable exit	Variable
Condensate discharge holes	Rotor-side
Motor bearing	Ball bearing
Mass	7.19 kg
Material of impeller	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
Option	Terminal box
Number of blades	5
Type of protection	IP 44; Depending on installation and position
Protection class	I
Max. permissible ambient motor temp. (transp./ storage)	+80 °C
Min. permissible ambient motor temp. (transp./storage)	-40 °C
Approval	CCC; GOST

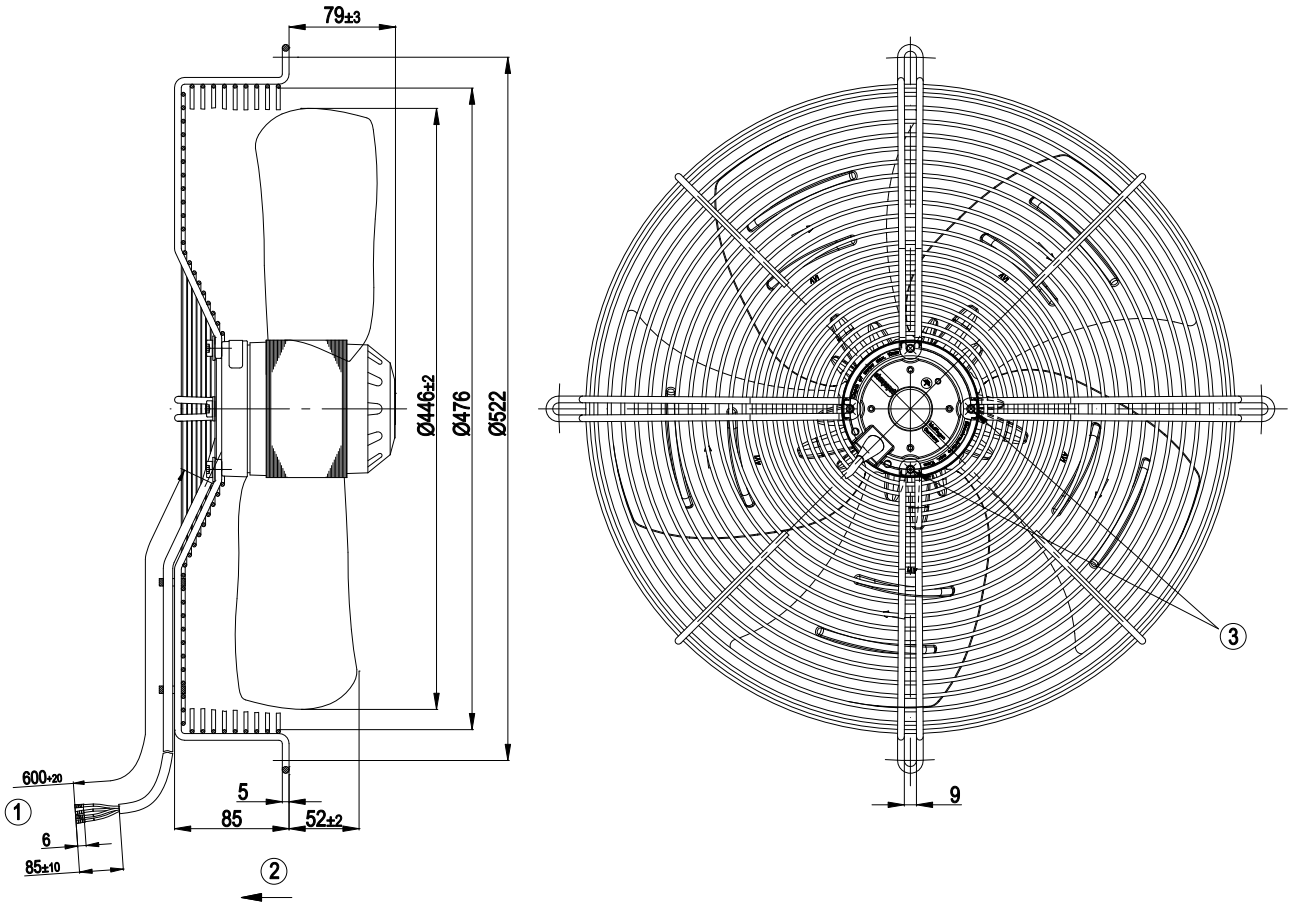
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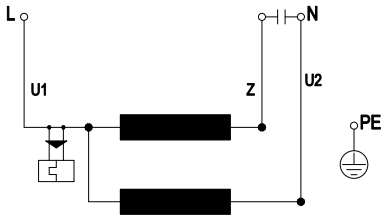
with guard grille for short nozzle

Product drawing



1	Connection line AWG20; 4 x brass lead tips crimped
2	Direction of air flow "V"
3	Cable diameter: min. 6 mm, max. 12 mm; tightening torque: 0.8 ± 0.15 Nm

Connection screen



U1	blue	Z	brown	U2	black
PE	green/yellow				

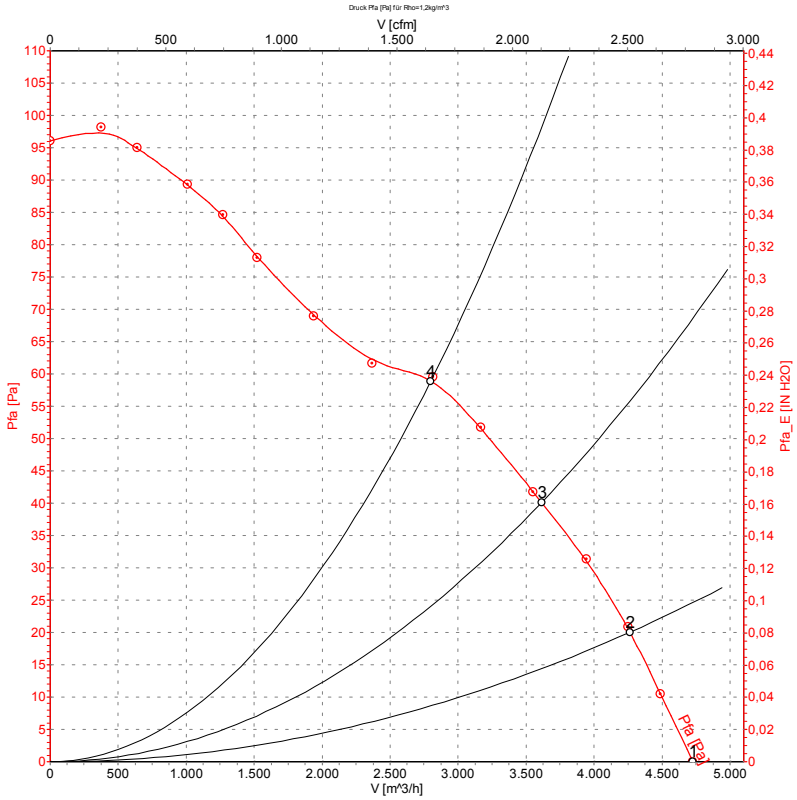
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Charts: Air flow 50 Hz



Measurement: LU-33158

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	940	165	0.80	4725	0
2	230	50	925	173	0.82	4265	20
3	230	50	910	180	0.85	3615	40
4	230	50	895	190	0.89	2800	60

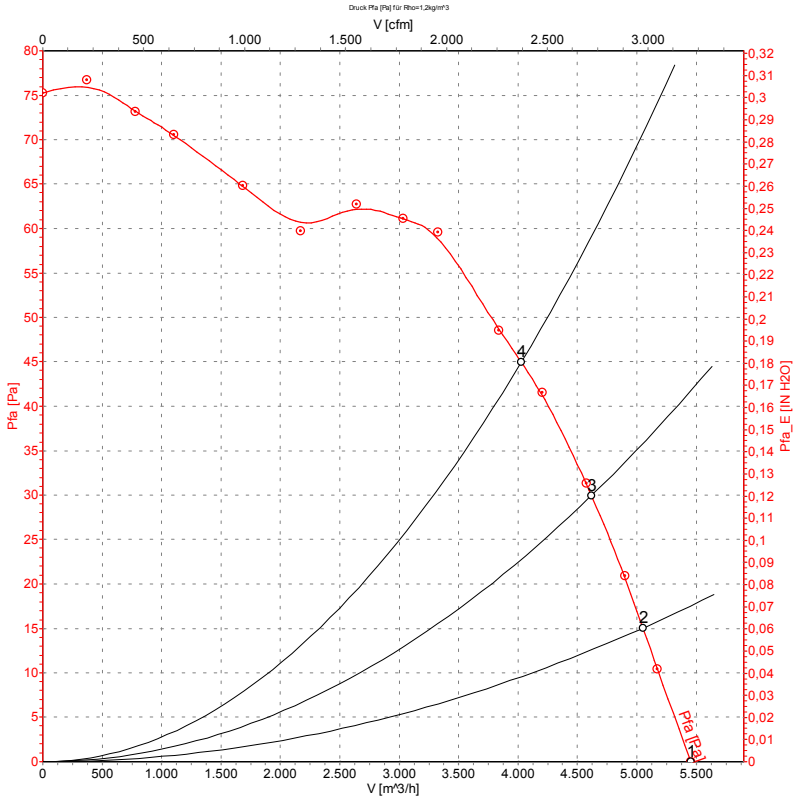
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Charts: Air flow 60 Hz



Measurement: LU-33159

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	1070	225	0.98	5455	0
2	230	60	1055	225	1.00	5050	15
3	230	60	1030	231	1.03	4620	30
4	230	60	995	238	1.06	4030	45

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