

AC axial fan

sickled blades (S series)

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Nominal data

Type	A6E450-AN08-11	
Motor	M6E074-EI	
Phase		1~
Nominal voltage	[V]	230
Frequency	[Hz]	50
Type of data definition		rfa
Valid for approval / standard		CE
Speed	[min ⁻¹]	900
Power input	[W]	145
Current draw	[A]	0.64
Motor capacitor	[μF]	4
Capacitor voltage	[VDB]	400
Max. back pressure	[Pa]	45
Max. ambient temperature	[°C]	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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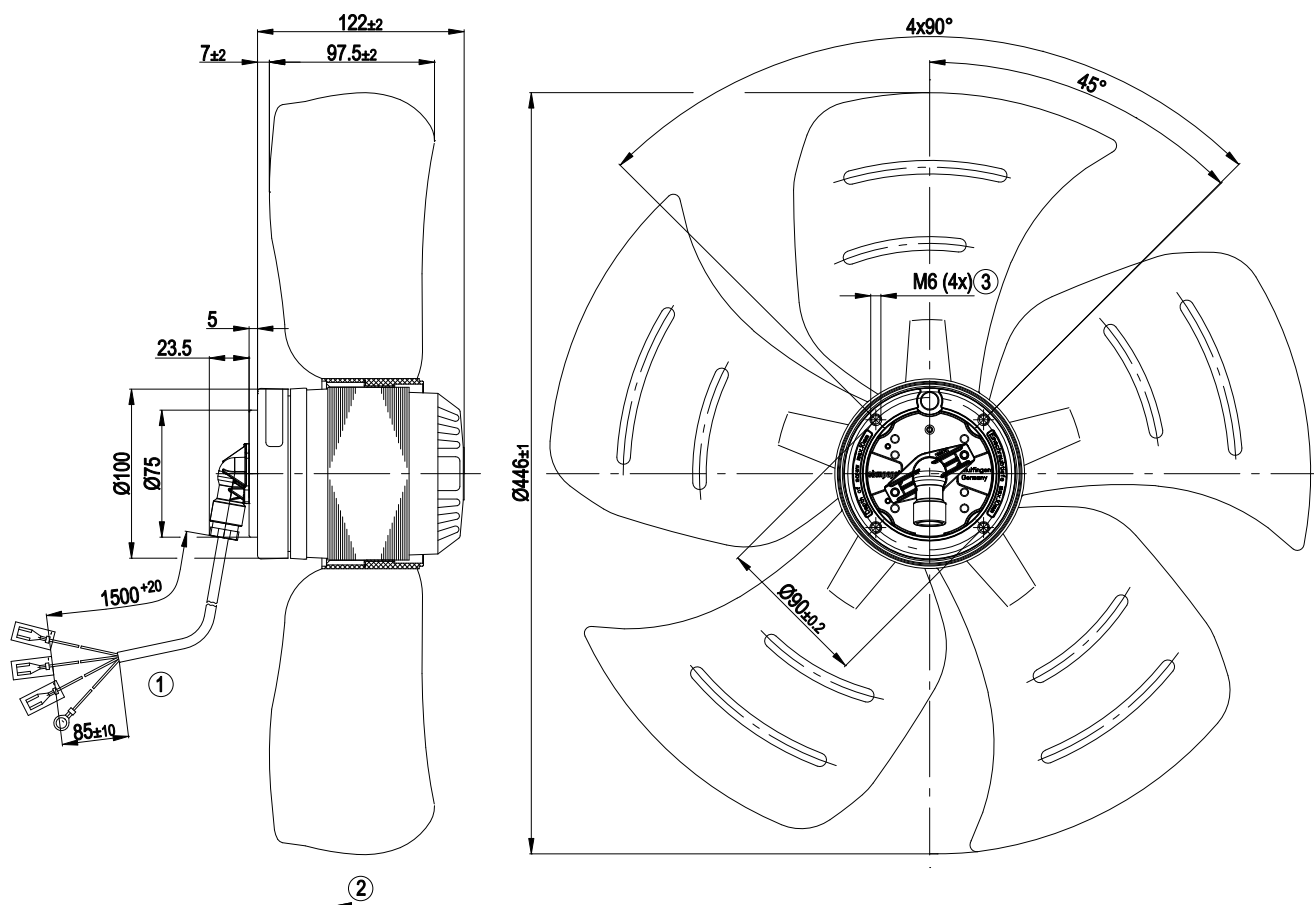
Technical features

Leakage 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	F4-1
Direction of air flow	"V"
Insulation class	"F"
Cable exit	Lateral
Condensate discharge holes	Rotor-side
Motor bearing	Ball bearing
Mass	3.7 kg
Material of impeller	PP-GF40 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
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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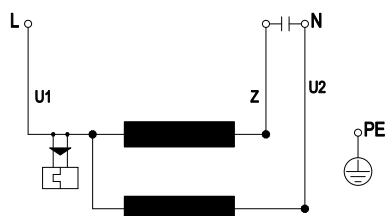
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Product drawing



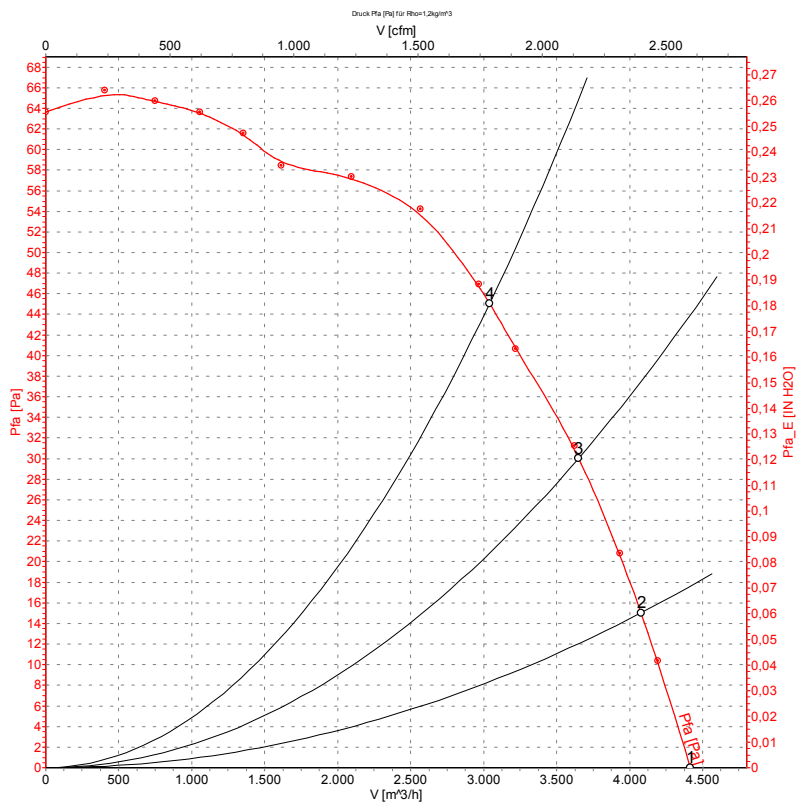
1	Connection line ETFE AWG 20, 4x brass lead tips crimped
2	Direction of air flow "V"
3	Depth of screw max. 10 mm

Connection screen



U1	blue	Z	brown	U2	black
PE	green/yellow				

Charts: Air flow 50 Hz



Measured values

	U	f	n	P_1	I	$\hat{V}$	P_{fa}
	[V]	[Hz]	[min ⁻¹]	[W]	[A]	[m³/h]	[Pa]
1	230	50	900	145	0.64	4415	0
2	230	50	885	149	0.65	4075	15
3	230	50	870	155	0.68	3650	30
4	230	50	850	160	0.70	3040	45