

8317078528

AC axial fan - AxiBlade

sickle-shaped blades (S series)

with square full nozzle

ebm-papst Ventilator (Shanghai) Co.,Ltd.

No.418, Hua Jing Road, Wai Gao Qiao Free Trade Zone, Pudong

Tel:+86(021)-50460183

www.ebmpapst.com

Nominal data

Type	8317078528		
Motor	M6D138-LA		
Phase		3~	3~
Nominal voltage	VAC	400	400
Wiring		Δ	Y
Frequency	Hz	50	50
Method of obtaining data		ml	ml
Valid for approval/standard		CE	CE
Speed (rpm)	min ⁻¹	870	640
Power consumption	W	1920	1170
Current draw	A	3.8	2.2
Max. back pressure	Pa	170	95
Max. back pressure	in. wg	0.68	0.38
Min. ambient temperature	°C	-40	-40
Max. ambient temperature	°C	55	55
Starting current	A	13	4.3

ml = Max. load · me = Max. efficiency · fa = Free air · cs = Customer specification · ce = Customer equipment
Subject to change



AC axial fan - AxiBlade

sickle-shaped blades (S series)

with square full nozzle

Technical description

Weight	47.2 kg
Size	910 mm
Motor size	138
Rotor surface	Cast in aluminum
Terminal box material	PP plastic
Blade material	PP plastic
Fan housing material	Sheet steel, galvanized and coated with black plastic (RAL 9005)
Guard grille material	Steel, coated with black plastic (RAL 9005)
Number of blades	5
Blade pitch	0°
Airflow direction	V
Direction of rotation	Clockwise, viewed toward rotor
Degree of protection	IP55
Insulation class	"F"
Moisture (F) / Environmental (H) protection class	H2
Ambient temperature note	Occasional start-up at temperatures between -40°C and -25°C is permitted. For continuous operation at ambient temperatures below -25°C (such as refrigeration applications), use must be made of a fan design with special low-temperature bearings.
Max. permitted ambient temp. for motor (transport/storage)	+80 °C
Min. permitted ambient temp. for motor (transport/storage)	-40 °C
Installation position	Any
Condensation drainage holes	On rotor and stator sides
Mode	S1
Motor bearing	Ball bearing
Touch current according to IEC 60990 (measuring circuit Fig. 4, TN system)	<= 3.5 mA
Electrical hookup	Terminal box
Motor protection	Thermal overload protector (TOP) with basic insulation
Protection class	I (with customer connection of protective earth)
Conformity with standards	EN 60034-1 (2010); CE
Approval	VDE; EAC

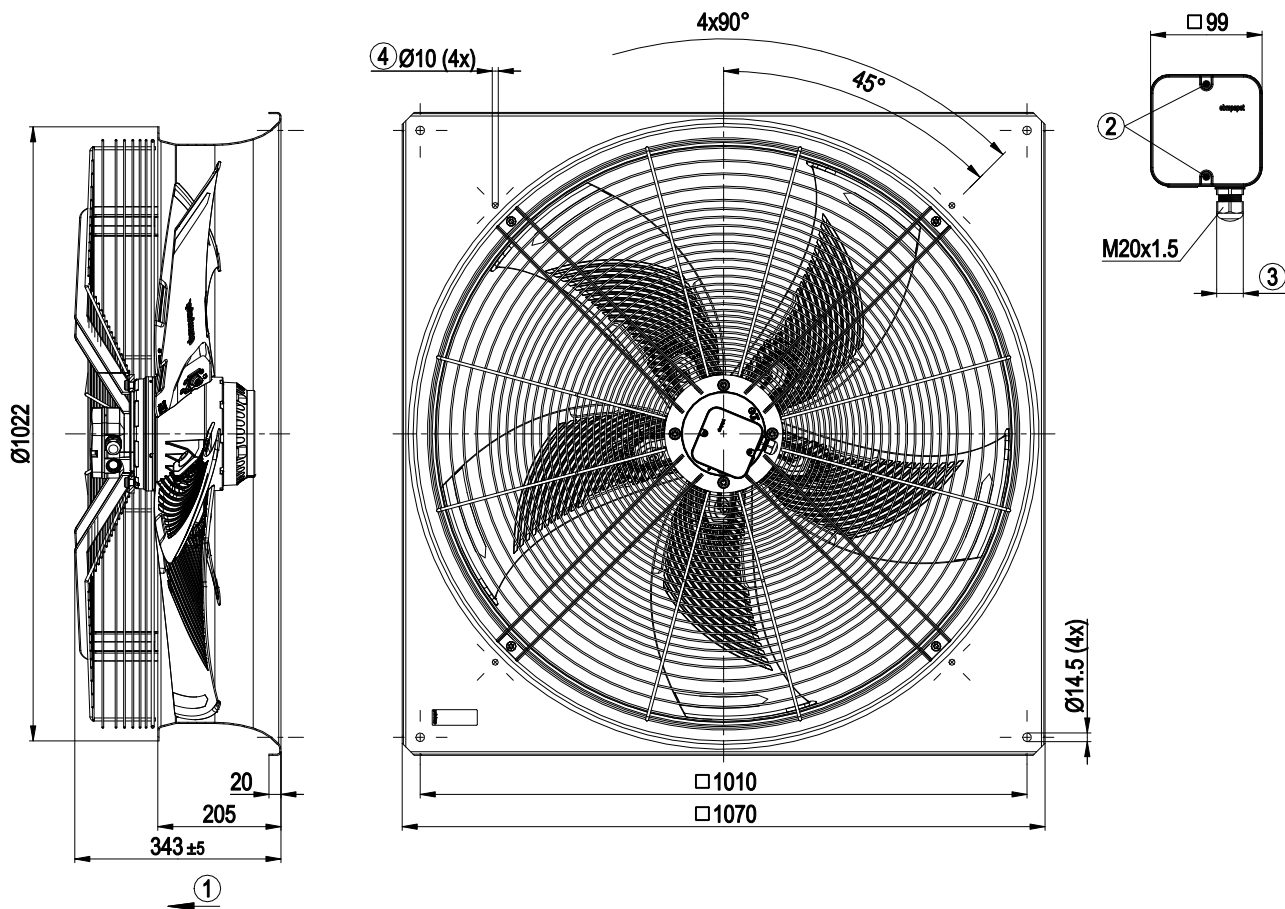
8317078528

AC axial fan - AxiBlade

sickle-shaped blades (S series)

with square full nozzle

Product drawing



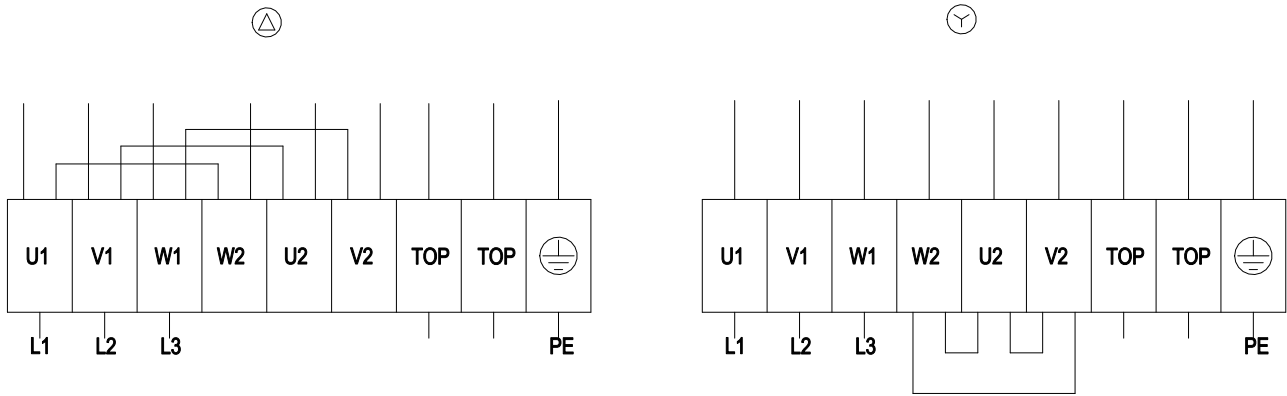
1	Airflow direction "V"
2	Tightening torque 1.5 ± 0.2 Nm
3	Cable diameter min. 7 mm, max. 14 mm, tightening torque 2 ± 0.3 Nm
4	Mounting holes for FlowGrid

AC axial fan - AxiBlade

sickle-shaped blades (S series)

with square full nozzle

Connection diagram



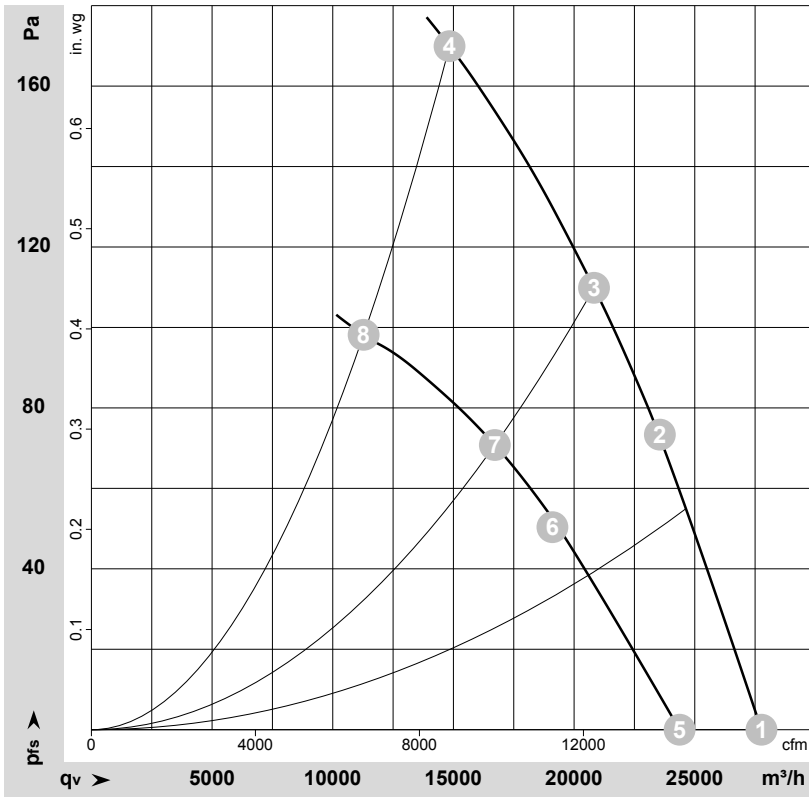
Δ	Delta connection	Y	Star connection	L1	= U1 = black
L2	= V1 = blue	L3	= W1 = brown	W2	yellow
U2	green	V2	white	TOP	2x gray
PE	green/yellow				

AC axial fan - AxiBlade

sickle-shaped blades (S series)

with square full nozzle

Curves: Air performance 50 Hz



$\rho = 1.15 \text{ kg/m}^3 \pm 2 \%$

Measurement: LU-192850-1
Measurement: LU-193182-1

Fan performance

	Wired	U	f	n	P _e	I	q _v	p _{fs}
		V	Hz	min ⁻¹	W	A	m ³ /h	Pa
1	Δ	400	50	945	1113	2.82	27765	0
2	Δ	400	50	925	1349	3.09	24635	56
3	Δ	400	50	910	1572	3.36	20825	110
4	Δ	400	50	870	1920	3.80	14840	170
5	Y	400	50	825	836	1.58	24370	0
6	Y	400	50	775	970	1.84	20595	39
7	Y	400	50	730	1064	2.03	16715	71
8	Y	400	50	640	1170	2.20	11280	98

Wired = Wiring · U = Voltage · f = Frequency · n = Speed (rpm) · P_e = Power consumption · I = Current draw

q_v = Air flow · p_{fs} = Pressure increase

