A6E315-AP26-09

AC axial fan

sickle-shaped blades (S series)

ebm-papst Mulfingen GmbH & Co. KG
Bachmühle 2 · D-74673 Mulfingen
Phone +49 7938 81-0
Fax +49 7938 81-110
info1@de.ebmpapst.com
www.ebmpapst.com

Limited partnership · Headquarters Mulfingen
Amtsgericht (court of registration) Stuttgart · HRA 590344

General partner Elektrobau Mulfingen GmbH · Headquarters Mulfingen
Amtsgericht (court of registration) Stuttgart · HRB 590142

Nominal data

Type	**A6E315-AP26-09**
Motor	**M6E068-DF**

Phase		1~	1~
Nominal voltage	VAC	230	230
Frequency	Hz	50	60
Method of obtaining data		fa	fa
Valid for approval/standard		CE	CE
Speed (rpm)	min^{-1}	950	1120
Power consumption	W	63	70
Current draw	A	0.33	0.31
Capacitor	µF	2	2
Capacitor voltage	VDB	400	450
Capacitor standard		S0 (CE)	S0 (CE)
Min. ambient temperature	°C	-25	-25
Max. ambient temperature	°C	55	65

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

AC axial fan

sickle-shaped blades (S series)

Technical description

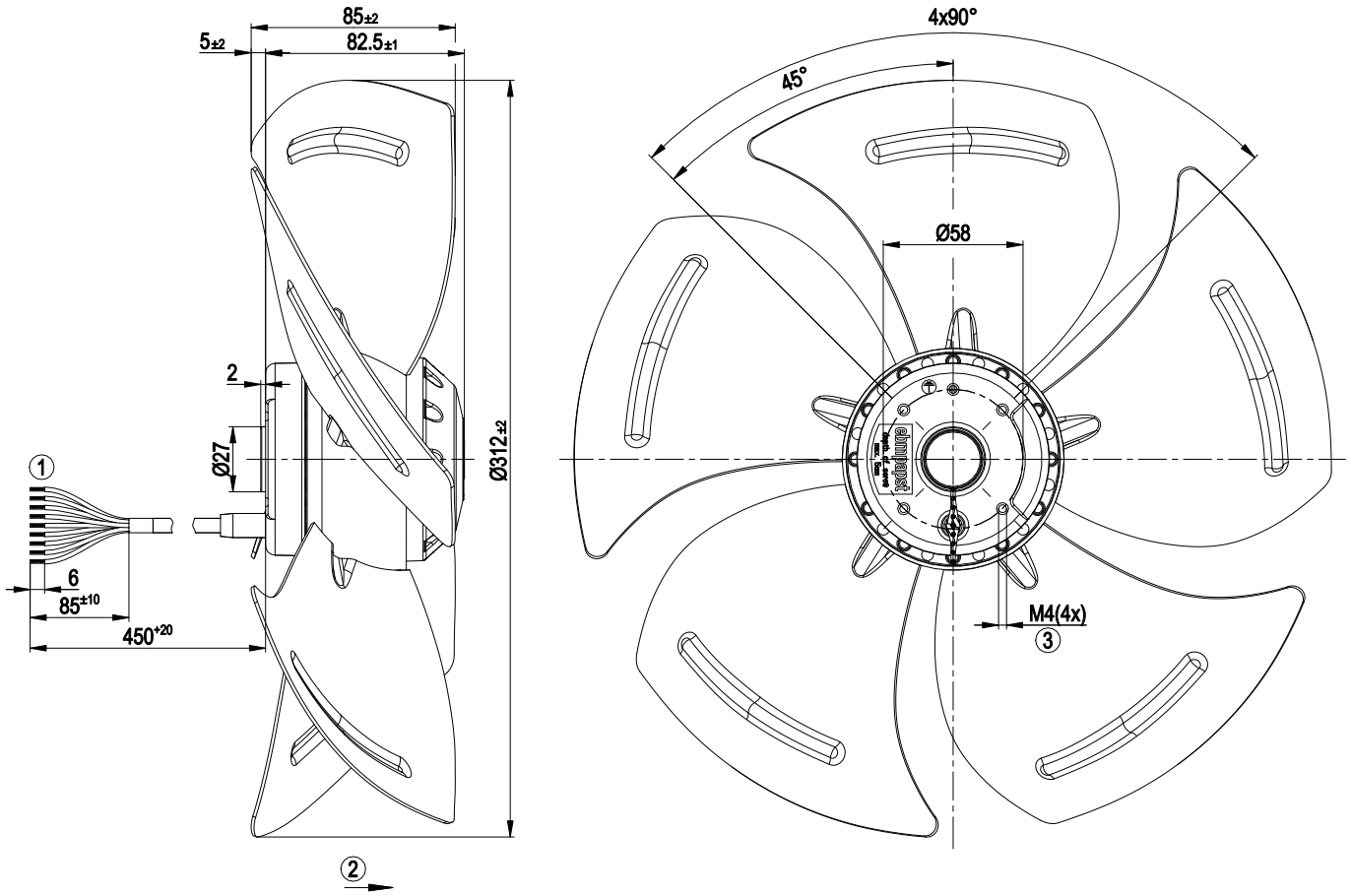
Weight	2.5 kg
Fan size	315 mm
Rotor surface	Painted black
Blade material	Sheet steel, painted black
Number of blades	5
Airflow direction	"A"
Direction of rotation	Clockwise, viewed toward rotor
Degree of protection	IP44; installation- and position-dependent as per EN 60034-5
Insulation class	"B"
Moisture (F) / Environmental (H) protection class	H0+
Max. permitted ambient temp. for motor (transport/storage)	+ 80 °C
Min. permitted ambient temp. for motor (transport/storage)	- 40 °C
Installation position	Shaft horizontal or rotor on bottom; rotor on top on request
Condensation drainage holes	On rotor side
Mode	S1
Motor bearing	Ball bearing
Speed levels	5
Touch current according to IEC 60990 (measuring circuit Fig. 4, TN system)	< 0.75 mA
Motor protection	Thermal overload protector (TOP) internally connected
With cable	Axial
Protection class	I (with customer connection of protective earth)
Conformity with standards	EN 60335-1; CE

ebm-papst Mulfingen GmbH & Co. KG · Bachmühle 2 · D-74673 Mulfingen · Phone +49 (0) 7938 81-0 · Fax +49 (0) 7938 81-110 · info1@de.ebmpapst.com · www.ebmpapst.com

AC axial fan

sickle-shaped blades (S series)

Product drawing



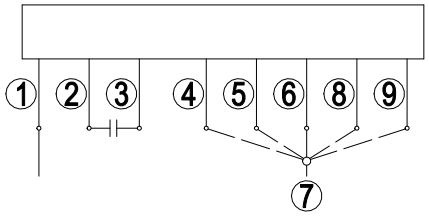
1	Cable AWG20 9G 0.5 mm², 9x crimped splices

ebm-papst Mulfingen GmbH & Co. KG · Bachmühle 2 · D-74673 Mulfingen · Phone +49 (0) 7938 81-0 · Fax +49 (0) 7938 81-110 · info1@de.ebmpapst.com · www.ebmpapst.com

AC axial fan

sickle-shaped blades (S series)

Connection diagram



Note: High speed (step IV); low speed (step I)

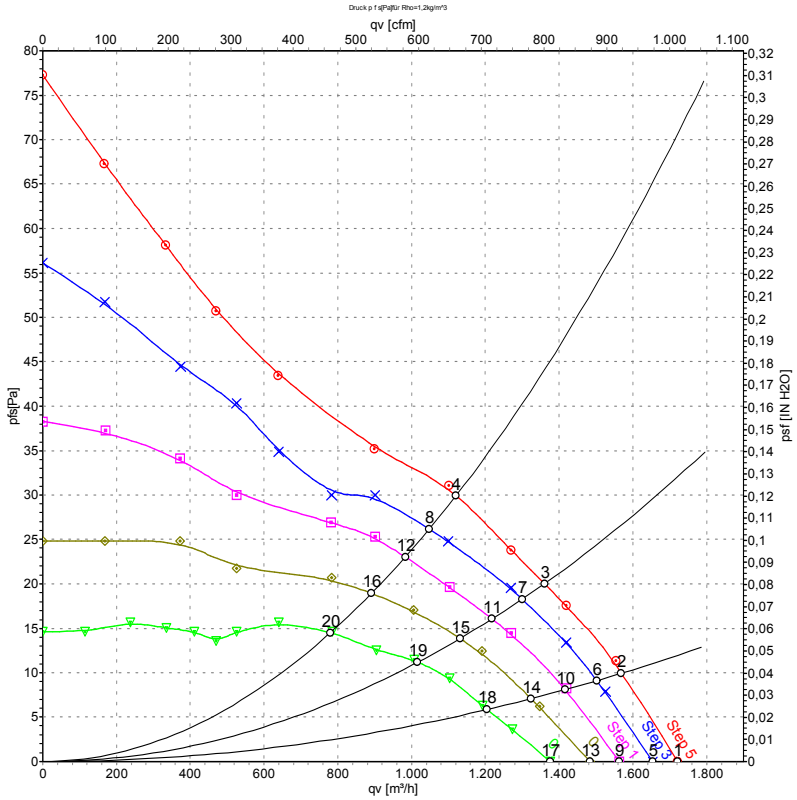
1	= N = blue
2	brown
3	yellow
4	Step I black 1 / white
5	Step II black 2 / red
6	Step III black 3 / gray
7	L1
8	Step IV black 4 / orange
9	Step V black 5 / black

ebm-papst Mulfingen GmbH & Co. KG · Bachmühle 2 · D-74673 Mulfingen · Phone +49 (0) 7938 81-0 · Fax +49 (0) 7938 81-110 · info1@de.ebmpapst.com · www.ebmpapst.com

AC axial fan

sickle-shaped blades (S series)

Curves: Air performance 50 Hz



Measurement: LU-32519-1
Measurement: LU-32520-1
Measurement: LU-32521-1
Measurement: LU-32522-1
Measurement: LU-32523-1

Air performance measured according to ISO 5801 installation category A. For detailed information on the measurement setup, contact ebm-papst. Intake sound level: Sound power level according to ISO 13347 / sound pressure level measured at 1 m distance from fan axis. The values given are valid under the specified measuring conditions and may vary due to conditions of installation. For deviations from the standard configuration, the parameters have to be checked on the installed unit.

Measured values

	Stage	U	f	n	P_e	I	q_V	p_{fs}	q_V	p_{fs}
		V	Hz	min^{-1}	W	A	m^3/h	Pa	cfm	inH2O
1	5	230	50	950	63	0.33	1720	0	1015	0.00
2	5	230	50	945	64	0.33	1570	10	925	0.04
3	5	230	50	940	65	0.33	1360	20	800	0.08
4	5	230	50	930	67	0.34	1120	30	660	0.12
5	4	230	50	920	52	0.23	1655	0	975	0.00
6	4	230	50	910	53	0.23	1500	9	885	0.04
7	4	230	50	895	54	0.24	1300	18	765	0.07
8	4	230	50	880	55	0.24	1050	26	615	0.10
9	3	230	50	880	45	0.19	1565	0	920	0.00
10	3	230	50	860	46	0.20	1415	8	835	0.03
11	3	230	50	840	48	0.21	1220	16	715	0.06
12	3	230	50	825	49	0.22	985	23	580	0.09
13	2	230	50	835	41	0.18	1485	0	875	0.00
14	2	230	50	810	43	0.19	1325	7	780	0.03
15	2	230	50	780	45	0.20	1130	14	665	0.06
16	2	230	50	745	47	0.20	890	19	525	0.08
17	1	230	50	775	39	0.17	1375	0	810	0.00
18	1	230	50	740	41	0.18	1205	6	710	0.02
19	1	230	50	695	42	0.19	1015	11	600	0.04
20	1	230	50	650	45	0.19	780	15	460	0.06

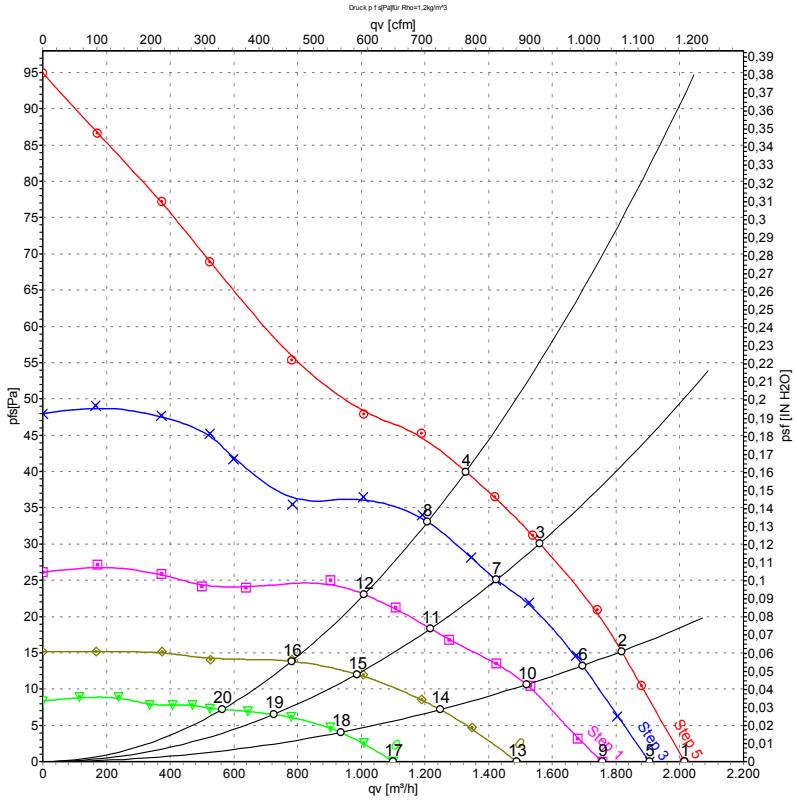
U = Power supply · f = Frequency · n = Speed (rpm) · P_e = Power consumption · I = Current draw · q_V = Air flow · p_{fs} = Pressure increase

ebm-papst Mulfingen GmbH & Co. KG · Bachmühle 2 · D-74673 Mulfingen · Phone +49 (0) 7938 81-0 · Fax +49 (0) 7938 81-110 · info1@de.ebmpapst.com · www.ebmpapst.com

AC axial fan

sickle-shaped blades (S series)

Curves: Air performance 60 Hz



Measurement: LU-32524-1
Measurement: LU-32525-1
Measurement: LU-32526-1
Measurement: LU-32527-1
Measurement: LU-32528-1

Air performance measured according to ISO 5801 installation category A. For detailed information on the measurement setup, contact ebm-papst. Intake sound level: Sound power level according to ISO 13347 / sound pressure level measured at 1 m distance from fan axis. The values given are valid under the specified measuring conditions and may vary due to conditions of installation. For deviations from the standard configuration, the parameters have to be checked on the installed unit.

Measured values

	Stage	U	f	n	P_e	I	q_V	p_{fs}	q_V	p_{fs}
		V	Hz	min^{-1}	W	A	m^3/h	Pa	cfm	inH2O
1	5	230	60	1120	70	0.31	2015	0	1185	0.00
2	5	230	60	1120	71	0.31	1815	15	1070	0.06
3	5	230	60	1105	74	0.32	1560	30	920	0.12
4	5	230	60	1095	76	0.33	1330	40	780	0.16
5	4	230	60	1065	53	0.24	1905	0	1120	0.00
6	4	230	60	1035	55	0.25	1695	13	1000	0.05
7	4	230	60	1010	59	0.26	1425	25	840	0.10
8	4	230	60	985	61	0.27	1210	33	710	0.13
9	3	230	60	980	47	0.22	1755	0	1035	0.00
10	3	230	60	930	50	0.23	1520	11	895	0.04
11	3	230	60	870	53	0.24	1220	18	715	0.07
12	3	230	60	830	55	0.24	1010	23	595	0.09
13	2	230	60	840	46	0.21	1485	0	875	0.00
14	2	230	60	765	48	0.22	1250	7	735	0.03
15	2	230	60	690	49	0.22	985	12	580	0.05
16	2	230	60	640	50	0.22	780	14	460	0.06
17	1	230	60	625	43	0.21	1100	0	645	0.00
18	1	230	60	575	44	0.21	935	4	550	0.02
19	1	230	60	515	44	0.21	725	6	425	0.02
20	1	230	60	465	45	0.21	565	7	330	0.03

U = Power supply · f = Frequency · n = Speed (rpm) · P_e = Power consumption · I = Current draw · q_V = Air flow · p_{fs} = Pressure increase

ebm-papst Mulfingen GmbH & Co. KG · Bachmühle 2 · D-74673 Mulfingen · Phone +49 (0) 7938 81-0 · Fax +49 (0) 7938 81-110 · info1@de.ebmpapst.com · www.ebmpapst.com