W1G200-EA87-25

EC axial fan - ESM

sickled blades (S series)

ESM wall ring



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

Nominal data

Type	**W1G200-EA87-25**	
Motor	**M1G055-BD**	
Phase		1~
Nominal voltage	[VAC]	230
Frequency	[Hz]	50/60
Type of data definition		ml
Valid for approval / standard		CE/UC
Speed	[min^{-1}]	1400/1000
Power input	[W]	7
Current draw	[A]	0.06
Min. ambient temperature	[°C]	-30
Max. ambient temperature	[°C]	50

ml = max. load · me = max. efficiency · rfa = running at free air · cs = customer specs · cu = customer unit
Subject to alterations

EC axial fan - ESM

sickled blades (S series)

ESM wall ring

Technical features

Leackage current	<= 0,25 mA
Size	200 mm
Operation mode	S1
Direction of rotation	"V"
Mounting position	Shaft horizontal or rotor on bottom; rotor on top on request
EMC harmonics	Acc. to EN 61000-3-2/3
EMC interference emission	Acc. to EN 61000-6-3 (household environment)
EMC interference immunity	Acc. to EN 61000-6-2 (industrial environment)
Insulation class	"B"
Cable exit	Lateral
Condensate discharge holes	Rotor-side
Bearing motor	Ball bearing
Mass	1 kg
Material of electronics housing	PP-TD20 plastic
Material of blades	Sheet steel, coated in black
Material of wall ring	PP-TD20 plastic
Product conforming to standard	CE
Surface of rotor	Coated in black
Number of blades	5
Type of protection	IP 54
Protection class	II
Technical features	- Over-temperature protected motor - Speed selection max/min
Max. permissible ambient motor temp. (transp./ storage)	+80 °C
Min. permissible ambient motor temp. (transp./storage)	-40 °C
Approval	CCC; CSA C22.2 Nr.13; UL 507; VDE

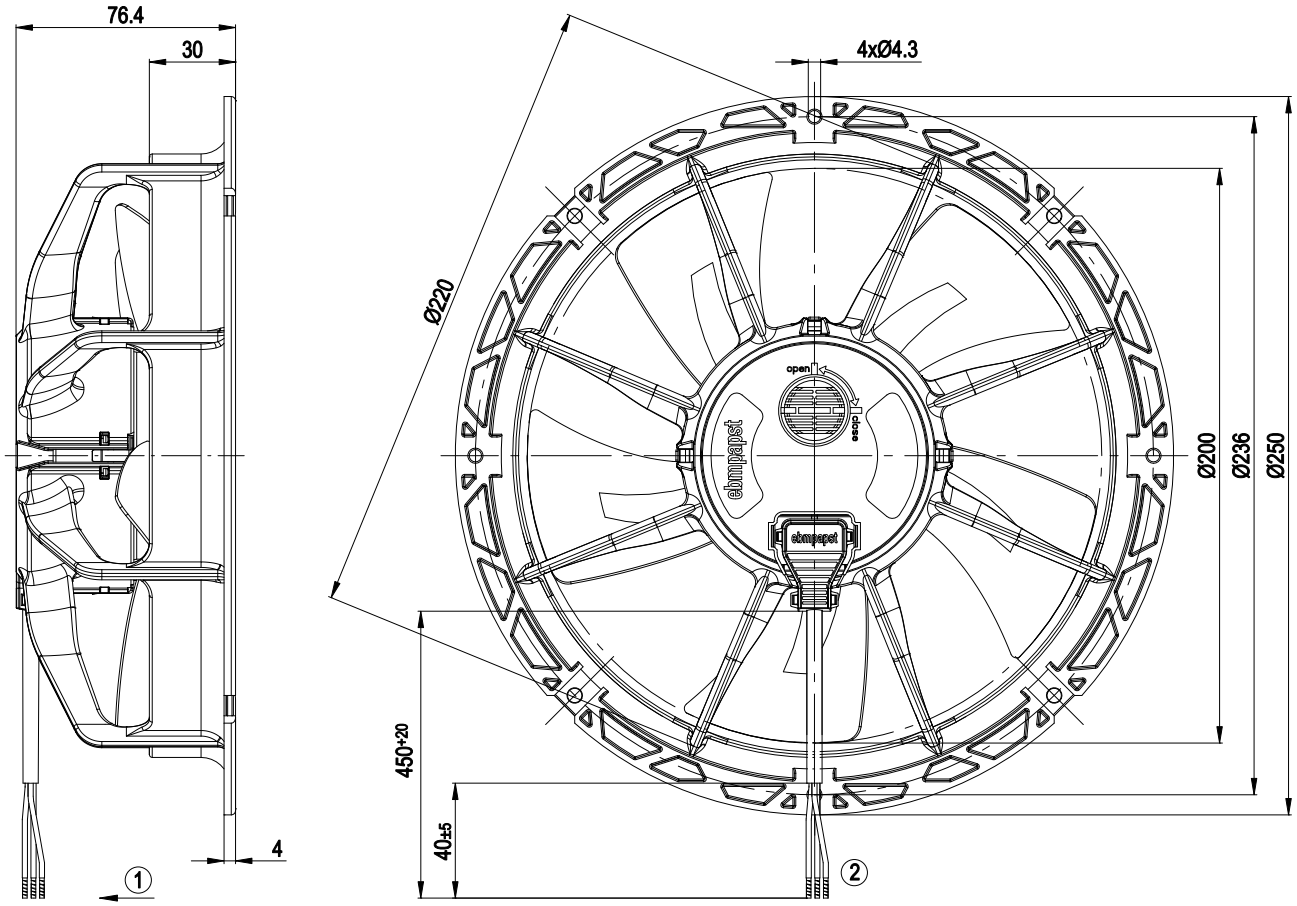
ebm-papst Mulfingen GmbH & Co. KG · Bachmühle 2 · 74673 Mulfingen · Phone: +49 7938 81-0 · Fax: +49 7938 81-110 · www.ebmpapst.com · info1@de.ebmpapst.com

EC axial fan - ESM

sickled blades (S series)

ESM wall ring

Product drawing



1	Direction of air flow "V"
2	Connection line AWG20, 3 x brass lead tips crimped

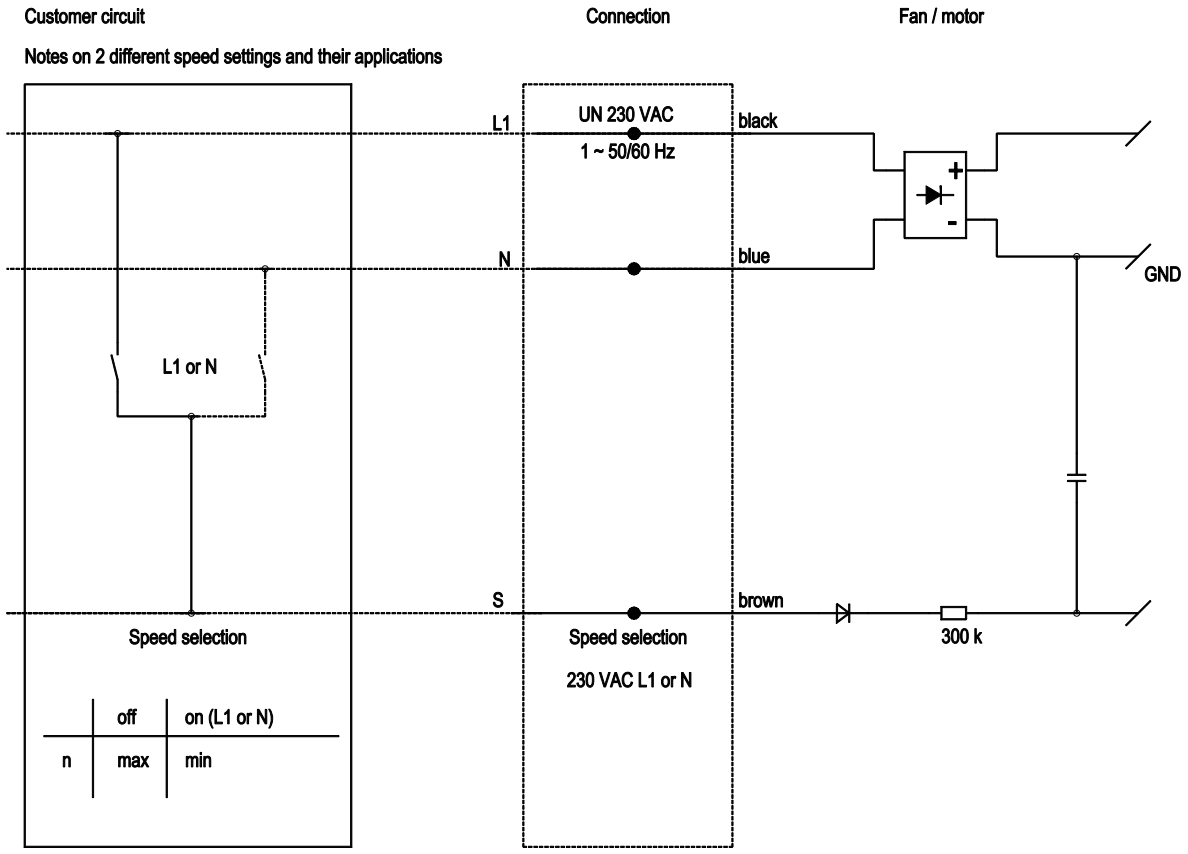
ebm-papst Mulfingen GmbH & Co. KG · Bachmühle 2 · 74673 Mulfingen · Phone: +49 7938 81-0 · Fax: +49 7938 81-110 · www.ebmpapst.com · info1@de.ebmpapst.com

EC axial fan - ESM

sickled blades (S series)

ESM wall ring

Connection screen



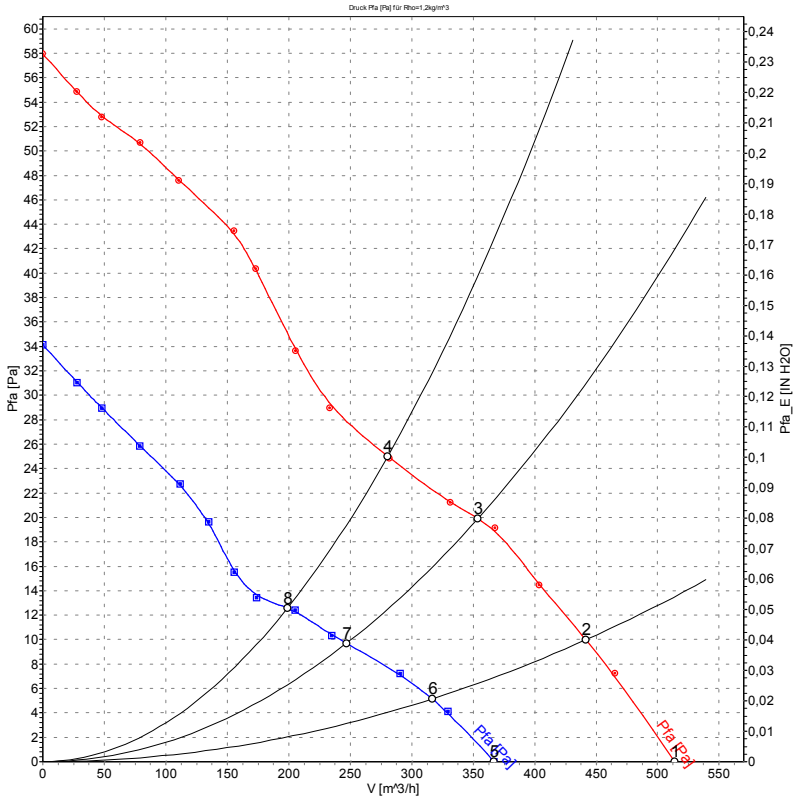
ebm-papst Mulfingen GmbH & Co. KG · Bachmühle 2 · 74673 Mulfingen · Phone: +49 7938 81-0 · Fax: +49 7938 81-110 · www.ebmpapst.com · info1@de.ebmpapst.com

EC axial fan - ESM

sickled blades (S series)

ESM wall ring

Charts: Air flow 50 Hz



Measurement: LU-54084
Measurement: LU-54085

Measured values

	U	f	n	P_1	I	LpA_{ss}	LwA_{ss}	$\dot{V}$	p_{fa}
	[V]	[Hz]	[min^{-1}]	[W]	[A]	[dB(A)]	[dB(A)]	[m^3/h]	[Pa]
1	230	50	1400	7	0.06	43	51	515	0
2	230	50	1400	8	0.07	41	49	440	10
3	230	50	1400	9	0.07	45	54	355	20
4	230	50	1400	9	0.07	48	57	280	25
5	230	50	1000	4	0.04	33	42	365	0
6	230	50	1000	4	0.04	32	41	315	5
7	230	50	1000	5	0.04	36	44	245	10
8	230	50	1000	5	0.04	38	47	200	13

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