

W1G200-EX87-03

II 3G Ex nA IIA T4 Gc (-30°C ≤ TA ≤ +35°C) X
ITS14ATEX47658X

EC axial fan - ESM

sickled blades (S series)
ESM wall ring



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

County court Stuttgart · HRA 590344

General partner Elektrobau Mulfingen GmbH · Headquarters Mulfingen

County court Stuttgart · HRB 590142

Nominal data

Type	W1G200-EX87-03		
Motor	M1G055-BD		
Phase		1~	1~
Nominal voltage	VAC	230	230
Frequency	Hz	50/60	50/60
Type of data definition		ml	
State			prelim.
Speed	min ⁻¹	1300	900
Power input	W	8	-
Current draw	A	0.07	
Max. back pressure	Pa	23	
Min. ambient temperature	°C	-30	-30
Max. ambient temperature	°C	35	35

ml = Max. load · me = Max. efficiency · fa = Running at free air · cs = Customer specs · cu = Customer unit
Subject to alterations



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Technical features

Mass	1 kg
Size	200 mm
Material of blades	PA plastic
Material of wall ring	PC / ABS plastic
Number of blades	5
Direction of air flow	"V"
Direction of rotation	Counter-clockwise, seen on rotor
Type of protection	IP 54
Insulation class	"B"
Humidity class	F3-1
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Mounting position	Any
Condensate discharge holes	None
Operation mode	S1
Motor bearing	Ball bearing
Technical features	- Speed selection max/min - Soft start - Over-temperature protected motor
Speed steps	2
EMC interference immunity	Acc. to EN 61000-6-2 (industrial environment)
EMC harmonics	Acc. to EN 61000-3-2/3
EMC interference emission	Acc. to EN 61000-6-3 (household environment)
Motor protection	Thermal overload protector (TOP) wired internally
Cable exit	Lateral
Protection class	II
Product conforming to standard	EN 60335-1; EN 60335-2-89; 3G; CE
Approval	3G; EAC
Remark	Fan application category BV-3



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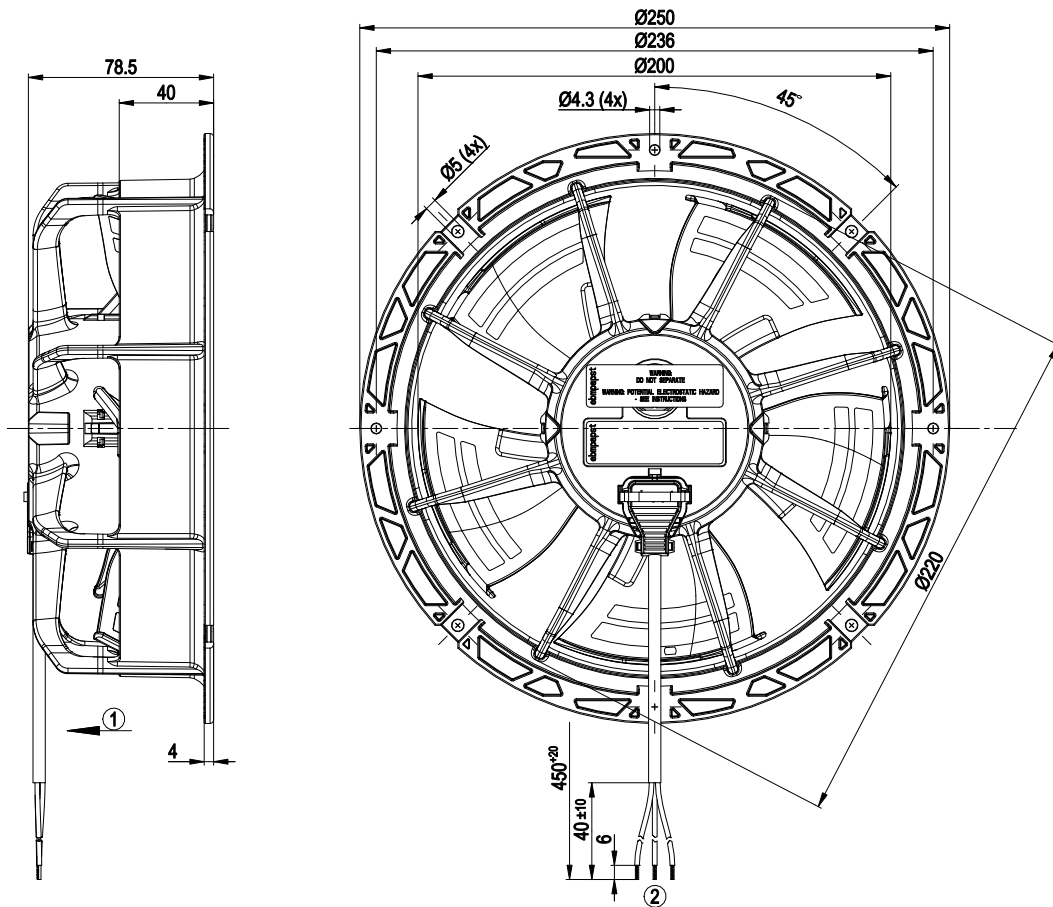
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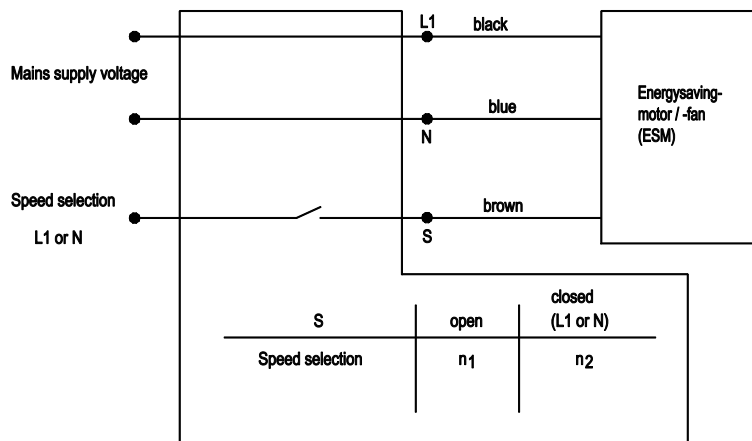


Product drawing



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

Connection screen



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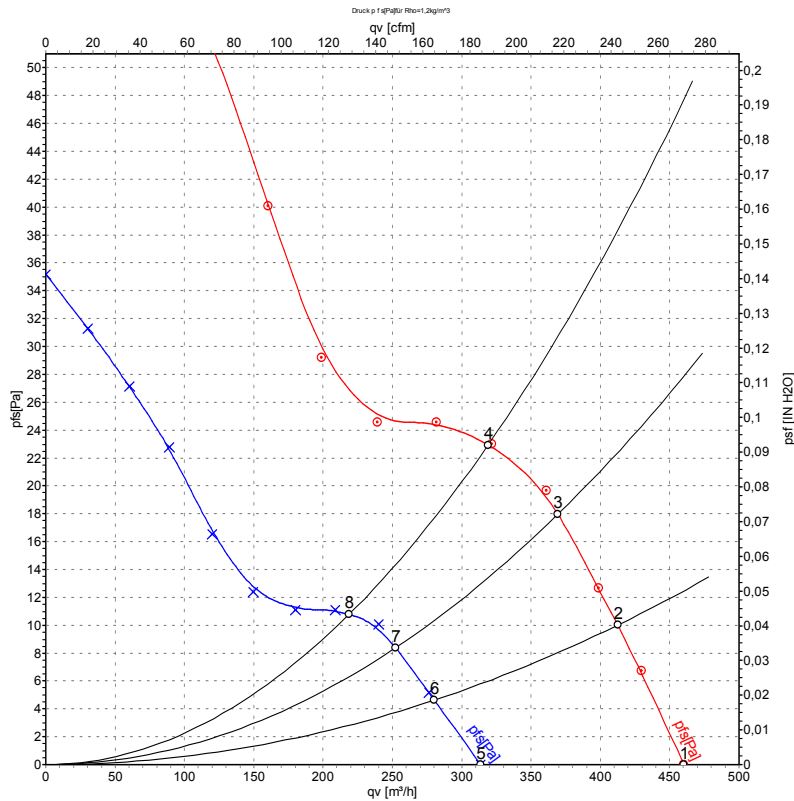
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Charts: Air flow 50 Hz



Measurement: LU-113354
Measurement: LU-113366

Air performance measured as per ISO 5801
Installation category A. For detailed
information on the measuring set-up, please
contact ebm-papst. Suction-side noise
levels: L_{wA} measured as per ISO 13347 /
L_{pA} measured with 1m distance to fan axis.
The values given are valid under the
measuring conditions mentioned above and
may vary according to the actual installation
situation. With any deviation from the
standard set-up, the specific values have to
be checked and reviewed with the unit
installed.

Measured values

	U	f	n	P _{ed}	I	L _{pA_{in}}	L _{wA_{in}}	qv	p _{fs}
	V	Hz	min ⁻¹	W	A	dB(A)	dB(A)	m³/h	Pa
1	230	50	1300	7.0	0.06	42	50	460	0
2	230	50	1300	8.0	0.07	41	49	410	10
3	230	50	1300	8.0	0.07	40	48	370	18
4	230	50	1300	8.0	0.07	43	51	320	23
5	230	50	900	3.4	0.03	33	41	315	0
6	230	50	900	4.0	0.04	32	41	280	5
7	230	50	900	4.1	0.04	32	40	250	8
8	230	50	900	4.0	0.04	32	41	220	11

U = Supply voltage · f = Frequency · n = Speed · P_{ed} = Power input · I = Current draw · L_{pA_{in}} = Sound pressure level inlet side · L_{wA_{in}} = Sound power level inlet side · qv = Air flow
p_{fs} = Pressure increase

