

W1G200-EC87-25

EC axial fan - ESM

sickled blades (S series)

ESM wall ring

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Nominal data

Type	W1G200-EC87-25	
Motor	M1G055-BD	
Phase		1~
Nominal voltage	VAC	230
Frequency	Hz	50/60
Type of data definition		ml
Speed	min ⁻¹	1300
Power input	W	8
Current draw	A	0.07
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

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Technical features

Leakage current	<= 0.25 mA
Size	200 mm
Operation mode	S1
Direction of rotation	Counter-clockwise, seen on rotor
Mounting position	Any
EMC harmonics	Acc. to EN 61000-3-2/3
EMC interference emission	Acc. to EN 61000-6-3
EMC interference immunity	Acc. to EN 61000-6-2
Humidity class	F3-1
Direction of air flow	"V"
Insulation class	"B"
Cable exit	Lateral
Condensate discharge holes	None
Motor bearing	Ball bearing
Mass	1.0 kg
Material of impeller	PA plastic 6, fibreglass-reinforced
Material of wall ring	Plastic, PPTD 20
Motor protection	Thermal overload protector (TOP) wired internally
Product conforming to standard	CE
Number of blades	5
Type of protection	IP 54
Protection class	II
Technical features	- Over-temperature protected motor - Soft start - Speed selection max/min
Max. permissible ambient motor temp. (transp./ storage)	+80 °C
Min. permissible ambient motor temp. (transp./storage)	-40 °C
Approval	VDE

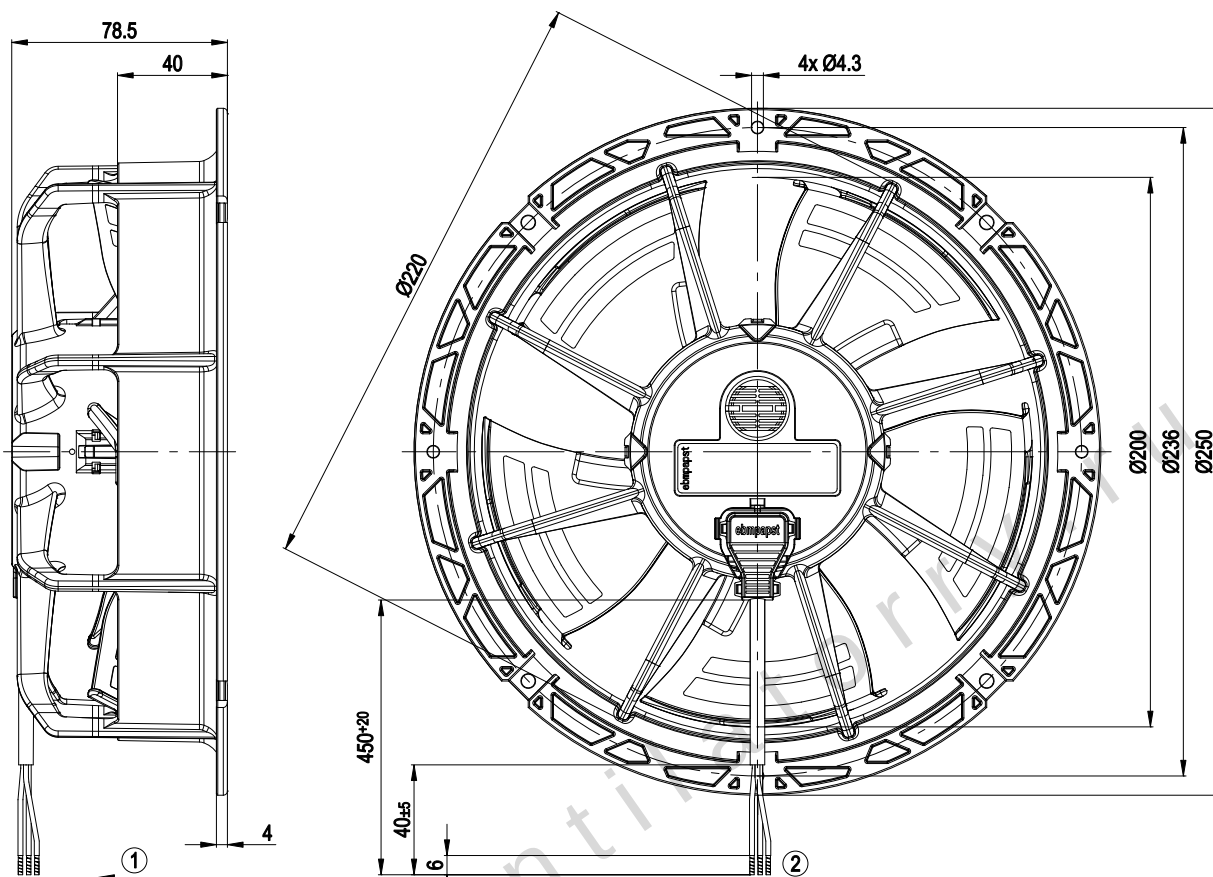
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Product drawing



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

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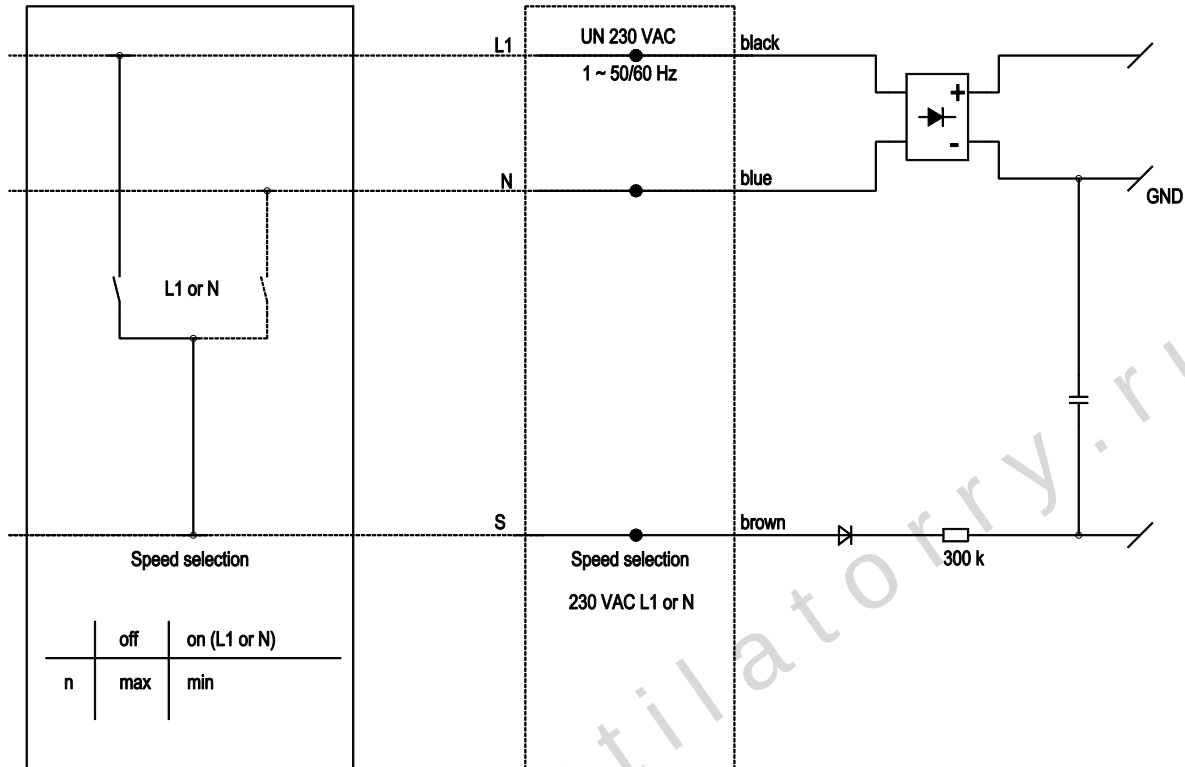
Connection screen

Customer circuit

Connection

Fan / motor

Notes on 2 different speed settings and their applications



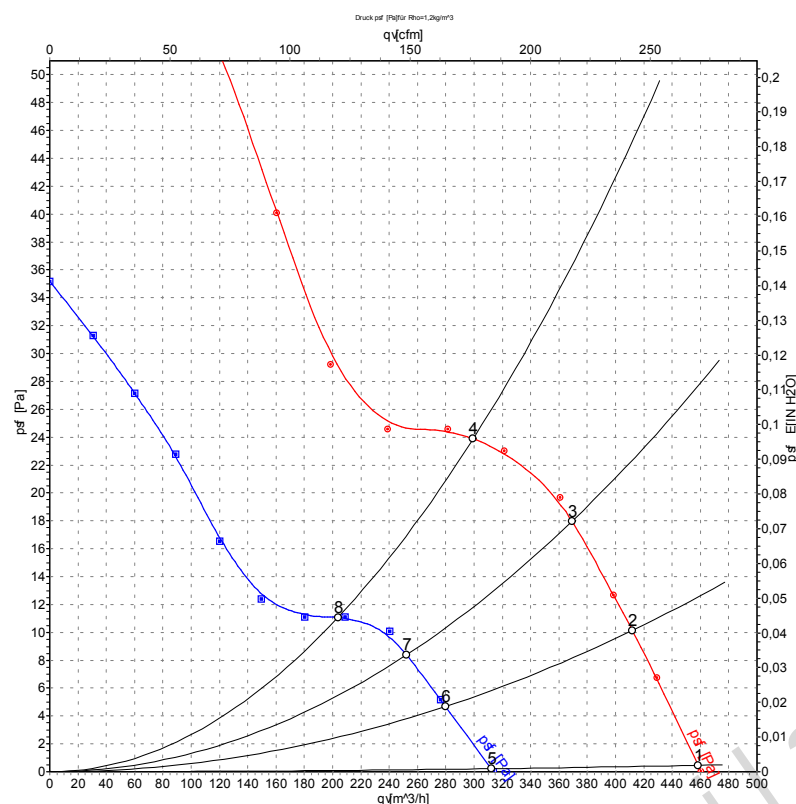
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Charts: Air flow 50 Hz



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 installer.

Measured values

	U	f	n	P ₁	I	Lp _{Ain}	Lw _{Ain}	η _{Ges}	qv	p _{sf}
	V	Hz	min ⁻¹	W	A	dB(A)	dB(A)	%	m ³ /h	Pa
1	230	50	1300	7	0.06	42	49	28	460	0
2	230	50	1300	8	0.07	41	48	32	410	10
3	230	50	1300	8	0.07	41	48	34	370	18
4	230	50	1300	8	0.07	42	49	31	300	24
5	230	50	900	3	0.03	33	41	0	310	0
6	230	50	900	4.0	0.04	32	41	0	280	5
7	230	50	900	4	0.04	32	40	0	250	8
8	230	50	900	4.0	0.04	33	40	0	205	11