

W1G200-EC91-28 ebmpapst Datasheet

sales@fansco.com

www.fansco.com

Nominal data

Type	W1G200-EC91-28	
Motor	M1G055-BD	
Phase		1~
Nominal voltage	[VAC]	230
Frequency	[Hz]	50/60
Type of data definition		ml
Speed	[min ⁻¹]	2100
Power input	[W]	32
Current draw	[A]	0.25
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

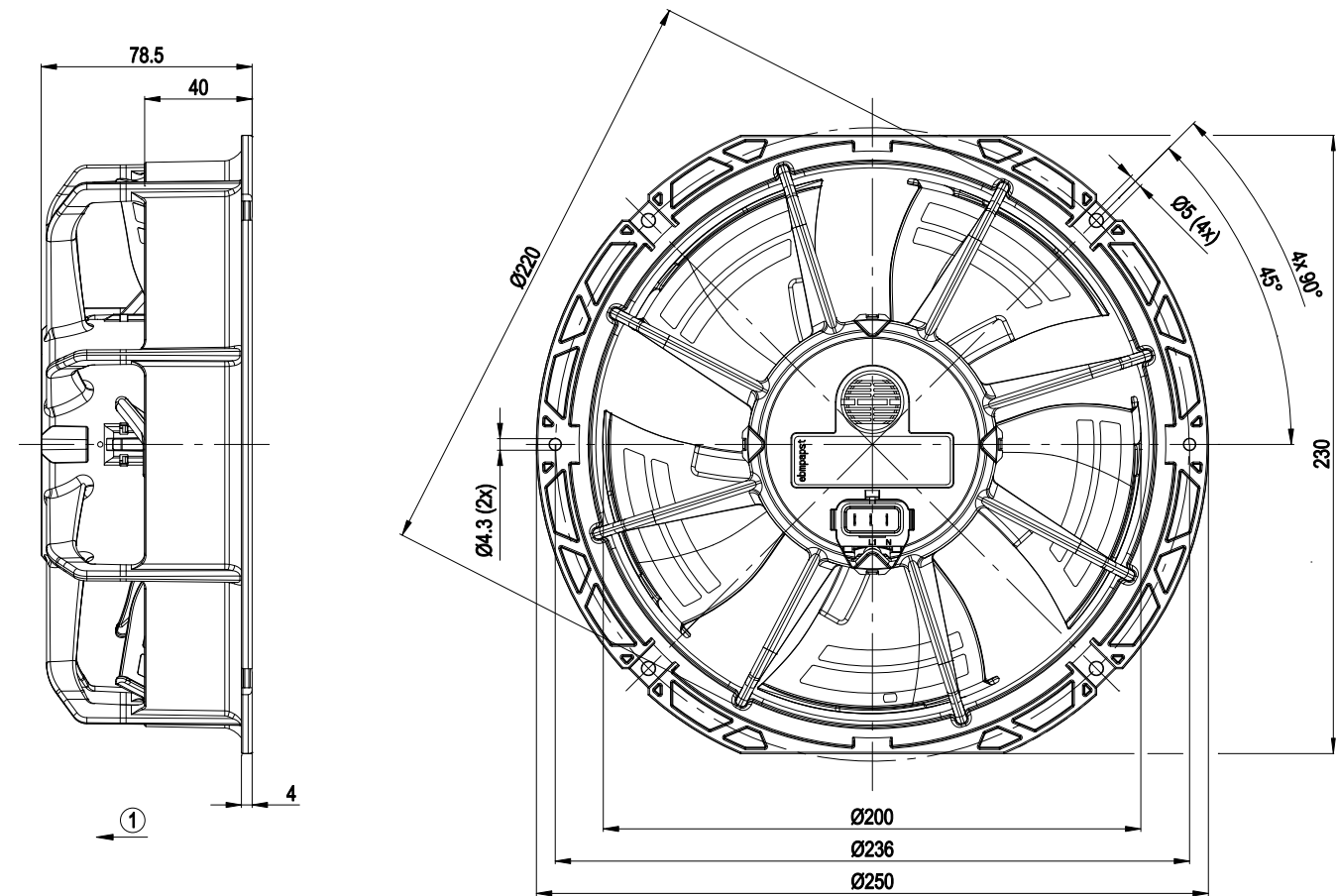
Technical features

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 (household environment)
EMC interference immunity	Acc. to EN 61000-6-2
Humidity class	F3-1
Direction of air flow	"V"
Insulation class	"B"
Condensate discharge holes	None
Bearing motor	Ball bearing
Mass	0.9 kg
Material of impeller	Plastic PA6, fibreglass-reinforced
Material of wall ring	PP-TD20 plastic
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 - Speed selection max/min
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Approval	VDE

EC axial fan

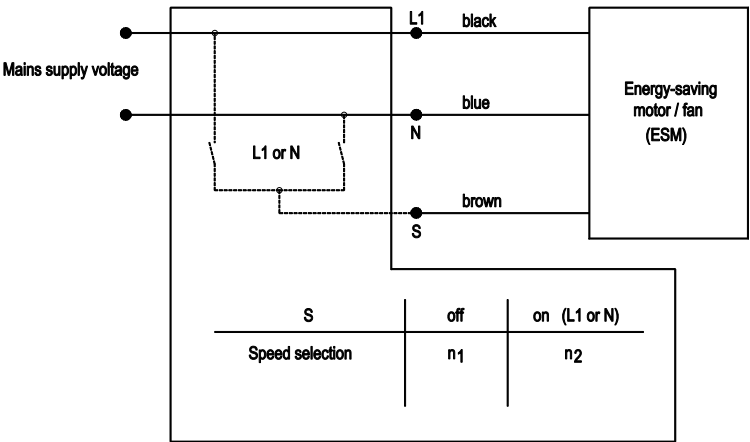
sickled blades (S series)
ESM wall ring

Product drawing

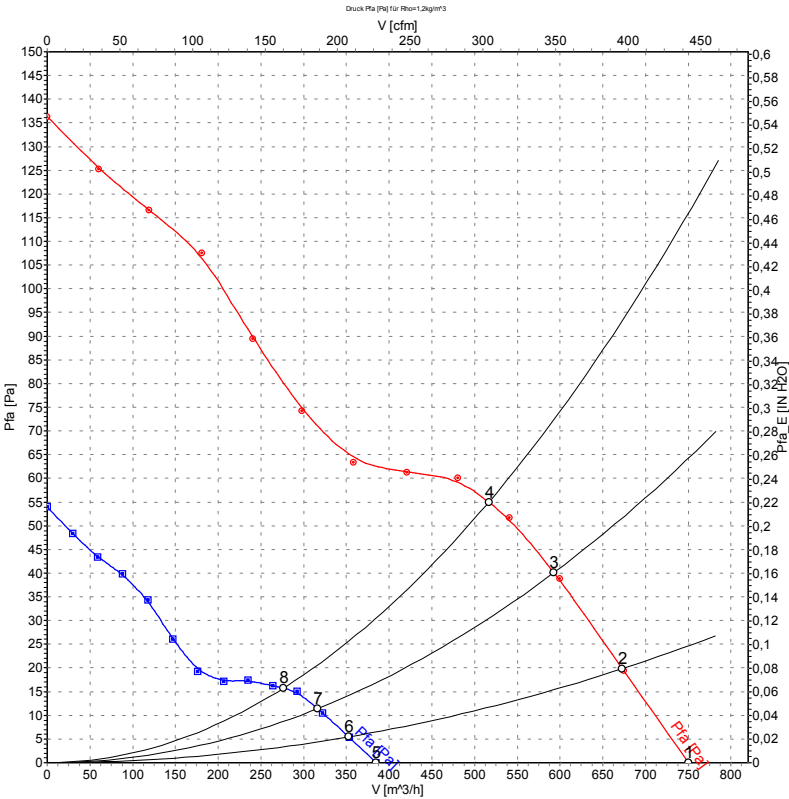


1 Direction of air flow "V"

Connection screen



Charts: Air flow 50 Hz



Measurement: LU-113351

Measured values

	U	f	n	P ₁	I	LpA _{ss}	LwA _{ss}	$\hat{V}$	p _{fa}
	[V]	[Hz]	[min ⁻¹]	[W]	[A]	[dB(A)]	[dB(A)]	[m³/h]	[Pa]
1	230	50	2100	29	0.22	55	62	750	0
2	230	50	2100	30	0.23	54	61	675	20
3	230	50	2100	31	0.24	53	60	595	40
4	230	50	2100	31	0.24	54	62	515	55
5	230	50	1100	5.41	0.04	39	47	385	0
6	230	50	1100	6.39	0.05	39	47	350	6
7	230	50	1100	6.29	0.05	39	46	315	11
8	230	50	1100	6.11	0.05	40	48	275	16