W2D250-HH14-10

AC axial compact fan

sickled blades (S series)



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Nominal data

Type	**W2D250-HH14-10**
Motor	**M2D068-CC**

Phase		3~
Nominal voltage	VAC	460
Connection		Y
Frequency	Hz	60
Type of data definition		fa
Valid for approval / standard		CE
Speed	min^{-1}	2800
Power input	W	165
Current draw	A	0.23
Max. back pressure	Pa	120
Min. ambient temperature	°C	-40
Max. ambient temperature	°C	60

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

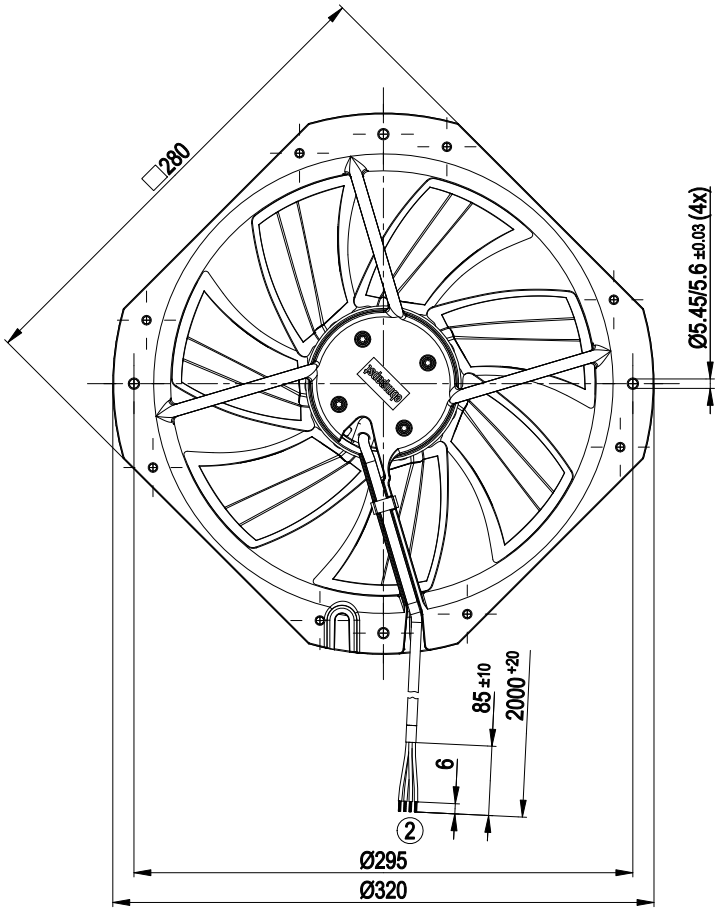
Mass	2.8 kg
Size	250 mm
Surface of rotor	Coated in black
Material of blades	Sheet steel, coated in black
Material of wall ring	Die-cast aluminium
Number of blades	7
Direction of air flow	"V"
Direction of rotation	Counter-clockwise, seen on rotor
Type of protection	IP 44; Depending on installation and position
Insulation class	"F"
Humidity class	F5
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 with anti-freezing grease
Touch current acc. IEC 60990 (measuring network Fig. 4, TN system)	< 0.75 mA
Cable exit	Variable
Protection class	I (if protective earth is connected by customer)
Product conforming to standard	EN 60335-1

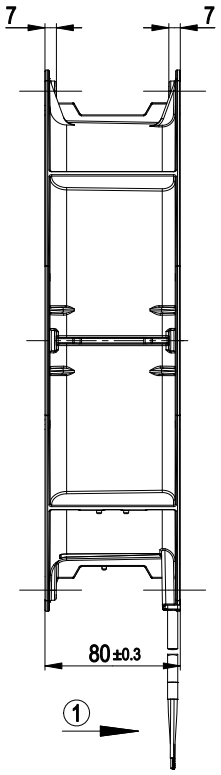
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Product drawing





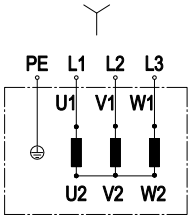
1	Direction of air flow "V"
2	Connection line silicone 4G 0.5 mm², 4 x brass lead tips crimped

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Connection screen



Change direction of rotation by reversing two phases

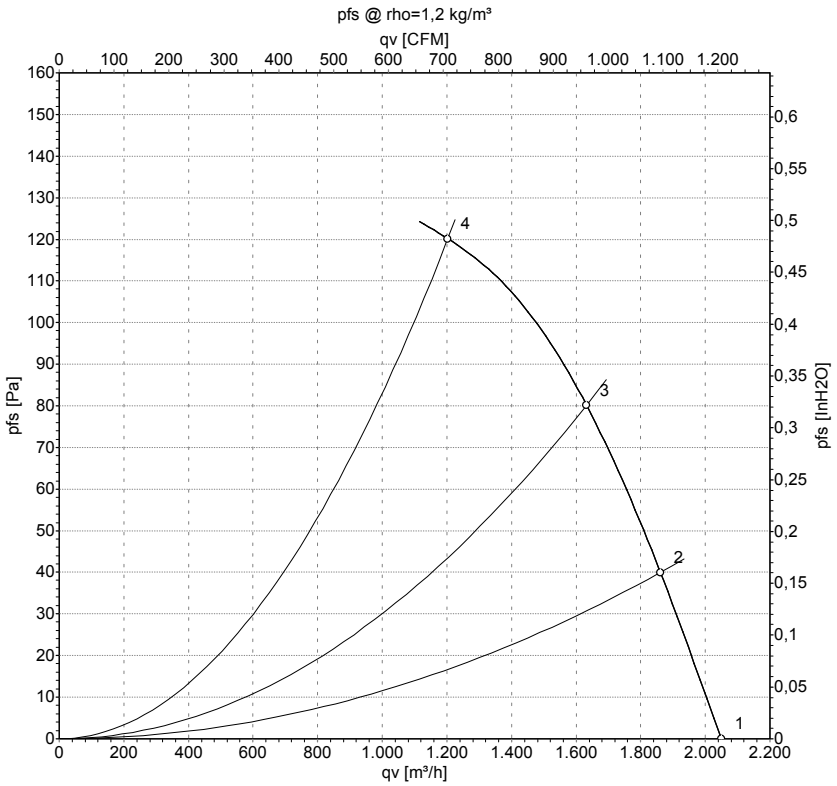
	Three-phase motor	Y	Star connection	L1	black
L2	blue	L3	brown	PE	green/yellow

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Charts: Air flow 60 Hz



Measurement: LU-113559

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: LwA measured as per ISO 13347 / LpA 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_e	I	qv	p_{fs}
	V	Hz	min^{-1}	W	A	m^3/h	Pa
1	460	60	2800	165	0.23	2050	0
2	460	60	2675	171	0.25	1860	40
3	460	60	2590	182	0.26	1630	80
4	460	60	2485	195	0.27	1205	120

U = Supply voltage · f = Frequency · n = Speed · P_e = Power input · I = Current draw · qv = Air flow · p_{fs} = Pressure increase

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