

R4D310-AS06-11 ebmpapst Datasheet

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Nominal data

Type	R4D310-AS06-11	
Motor	M4D068-EC	
Phase		60
Nominal voltage	VAC	208
Connection		Δ
Frequency	Hz	60
Type of data definition		fa
Valid for approval / standard		CE
Speed	min ⁻¹	1600
Power input	W	140
Current draw	A	0.56
Min. back pressure	Pa	0
Max. ambient temperature	°C	60

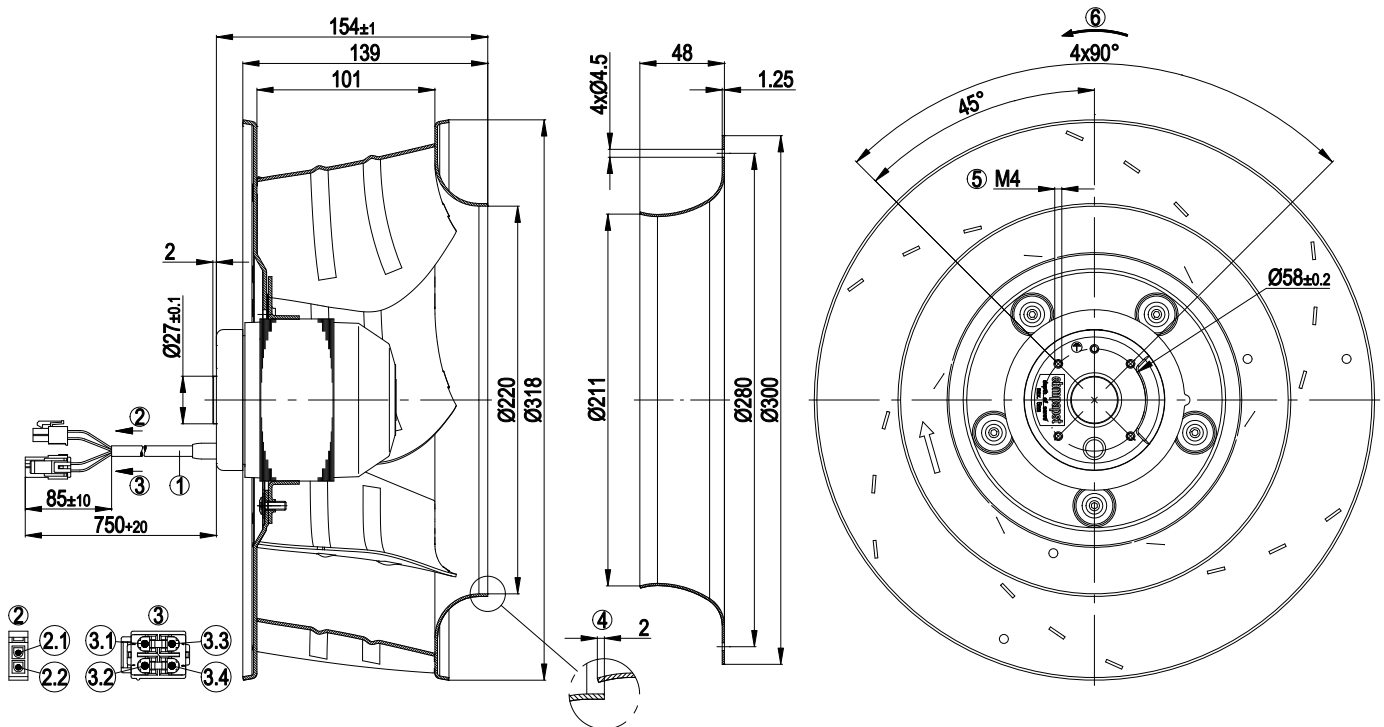
ml = max. load · me = max. efficiency · fa = running at free air · cs = customer specs · cu = customer unit
Subject to alterations



Technical features

Size	310 mm
Surface of rotor	Coated in black
Material of impeller	Sheet aluminium, laser-welded
Number of blades	6
Direction of rotation	Clockwise, seen on rotor
Type of protection	IP 44; Depending on installation and position as per EN 60034-5
Insulation class	"B"
Humidity class	F1-2
Max. permissible ambient motor temp. (transp./ storage)	+ 80 °C
Min. permissible ambient motor temp. (transp./storage)	- 40 °C
Mounting position	Shaft horizontal or rotor on bottom; rotor on top on request
Condensate discharge holes	Rotor-side
Operation mode	S1
Motor bearing	Ball bearing
Touch current acc. IEC 60990 (measuring network Fig. 4, TN system)	< 0.75 mA
Motor protection	Thermal overload protector (TOP) brought out
Cable exit	Axial
Protection class	I (if protective earth is connected by customer)
Product conforming to standard	EN 60335-1; CE
Approval	CCC

Product drawing

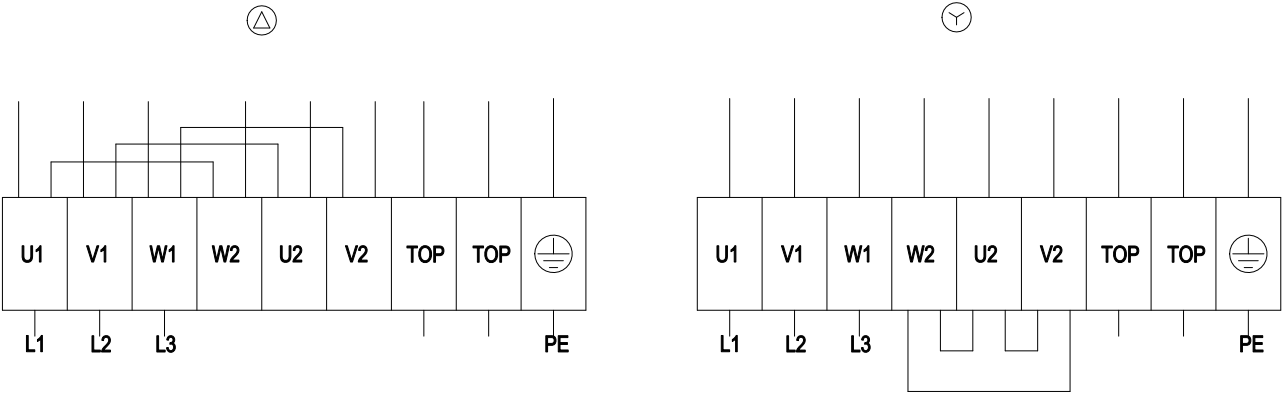


1	Connection line PVC, 6x female connector crimped
2	Mini Fit connector housing
2.1	grey
2.2	grey
3	VL system connector housing
3.1	green/yellow
3.2	brown
3.3	black
3.4	blue
4	Accessory part: inlet nozzle 31050-2-4013, not included in the standard scope of delivery, other nozzles on request.
5	Screw depth max. 5 mm
6	Direction of rotation clockwise, seen on rotor

AC centrifugal fan

backward curved

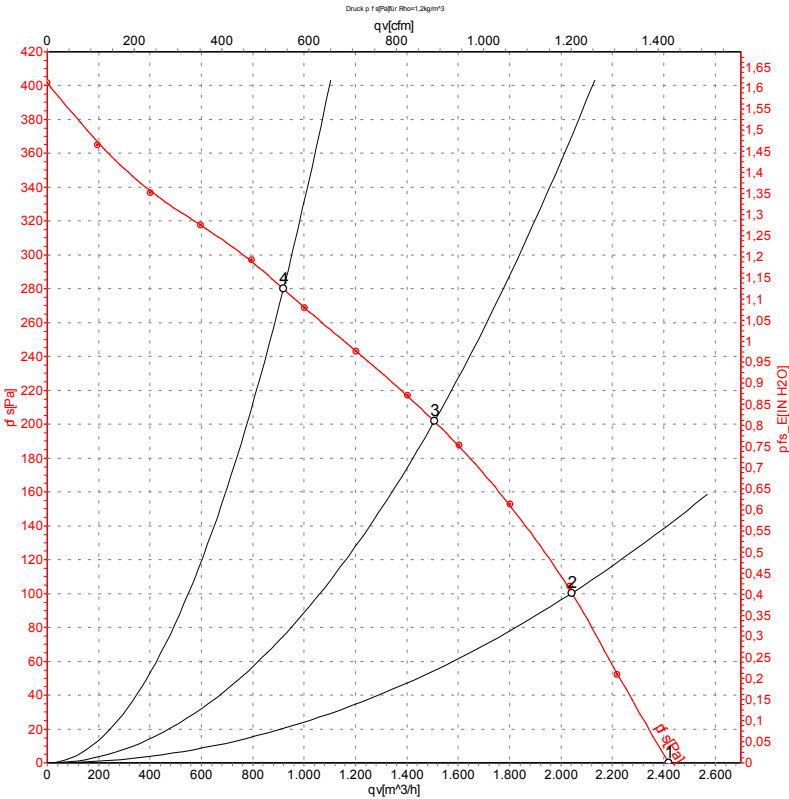
Connection screen



Δ	Delta-connection	Y	Star connection	L1	= U1 = black
L2	= V1 = blue	L3	= W1 = brown	W2	yellow
U2	green	V2	white	TOP	2 x grey
PE	green / yellow				



Charts: Air flow 60 Hz



Measurement: LU-108309

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

	Conn.	U	f	n	P _e	I	qv	p _{fs}
		V	Hz	min ⁻¹	W	A	m³/h	Pa
1	Δ	208	60	1600	140	0.56	2420	0
2	Δ	208	60	1545	171	0.65	2040	100
3	Δ	208	60	1485	196	0.71	1505	200
4	Δ	208	60	1510	183	0.68	920	280

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

