A4D350-AA32-27

AC axial fan

straight blades (A series)



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

ErP2015 EXCEEDS THE NORM

Nominal data

Type	**A4D350-AA32-27**
Motor	**M4D068-EC**

Phase		3~	3~
Nominal voltage	VAC	460	480
Connection		Y	Y
Frequency	Hz	60	60
Type of data definition		fa	fa
Valid for approval / standard		CE	UL 2111
Speed	min^{-1}	1650	1660
Power input	W	205	220
Current draw	A	0.42	0.45
Max. back pressure	Pa	115	115
Max. ambient temperature	°C	50	50

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

Data according to ErP directive

Installation category	A
Efficiency category	Static
Closed-loop speed control	No
Specific ratio*	1,00

* Specific ratio = 1 + p_{sf} / 100 000

		Actual	Request 2013	Request 2015
Overall efficiency η_e		28,5	24,5	28,5
Efficiency grade N		40	36	40
Power input P_e	kW	0,15		
Air flow q_v	m^3/h	2015		
Pressure increase Total p_{sf}	Pa	75		
Speed n	min^{-1}	1390		

Data established at point of optimum efficiency

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Technical features

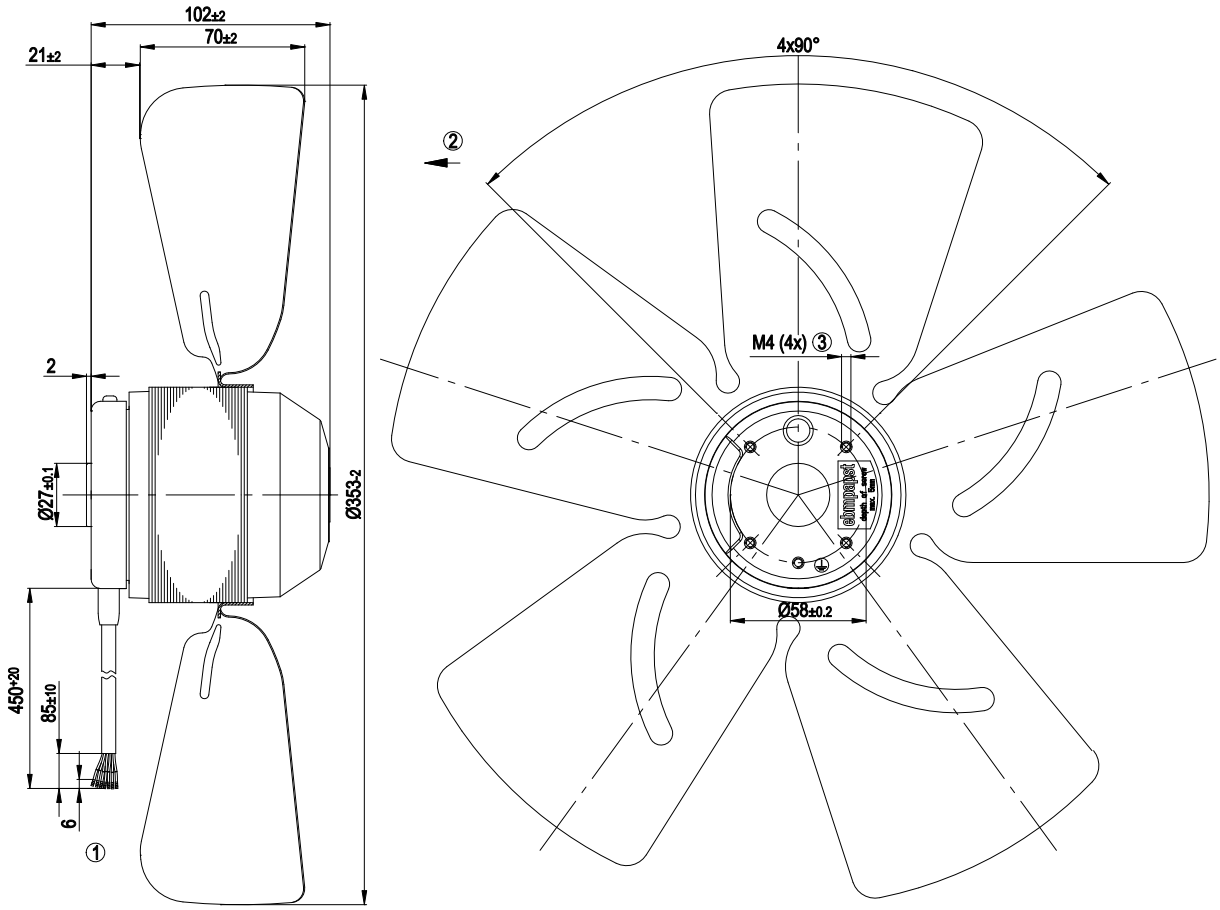
Mass	3.2 kg
Size	350 mm
Surface of rotor	Coated in black
Material of impeller	Sheet steel, coated in black
Number of blades	5
Direction of air flow	"V"
Direction of rotation	Counter-clockwise, seen on rotor
Type of protection	IP 44; Depending on installation and position as per EN 60034-5
Insulation class	"F"
Humidity class	F2-2
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
Leakage current	< 0.75 mA
Motor protection	Thermal overload protector (TOP) brought out
Cable exit	Lateral
Protection class	I (if protective earth is connected by customer)
Product conforming to standard	EN 60335-1; CE
Approval	CSA C22.2 Nr.100; UL 1004-1

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Product drawing



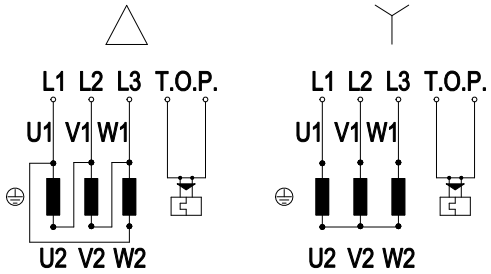
1	Connection line PFA 6G AWG20, 6x brass lead tips crimped
2	Direction of air flow "V"
3	Depth of screw max. 5 mm

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Connection screen



Note: Direction of rotation changes when two phases are reversed

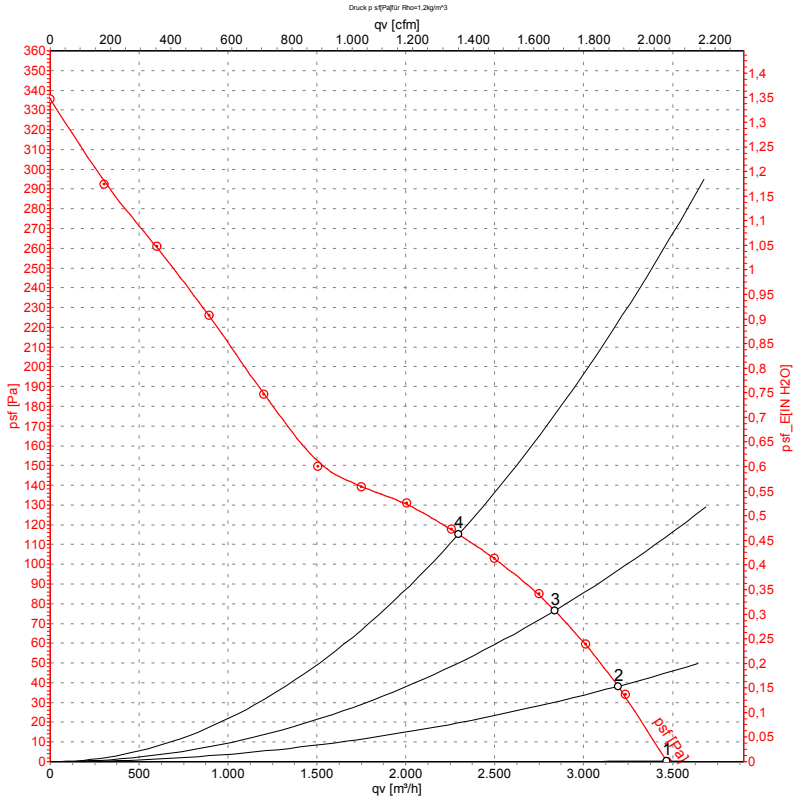
Δ	Delta-connection	Y	Star connection	L1	black
L2	blue	L3	brown	U1	black
U2	blue	W1	brown	U2	green
V2	white	W2	yellow	TOP	grey

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Charts: Air flow 60 Hz Y



Measurement: LU-136181

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

	Conn.	U	f	n	P_e	I	qv	p_{sf}
		V	Hz	min^{-1}	W	A	m^3/h	Pa
1	Y	460	60	1650	205	0.42	3465	0
2	Y	460	60	1645	219	0.43	3190	40
3	Y	460	60	1635	232	0.44	2835	75
4	Y	460	60	1615	252	0.45	2295	115

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