S6D630-AM01-01

AC axial fan with guard grille for short nozzle

sickled blades (S series)

ebm-papst Mulfingen GmbH & Co. KG
Bachmühle 2
74673 Mulfingen
Phone: +49 7938 81-0
Fax: +49 7938 81-110
www.ebmpapst.com
info1@de.ebmpapst.com

Nominal data

Type	**S6D630-AM01-01**
Motor	**M6D110-GF**

Phase		3~	3~
Nominal voltage	[V]	400	400
Connection		Δ	Y
Frequency	[Hz]	50	50
Type of data definition		ml	ml
Valid for approval / standard		CE	CE
Speed	[min^{-1}]	850	620
Power input	[W]	740	440
Current draw	[A]	1.38	0.76
Max. back pressure	[Pa]	100	54
Max. ambient temperature	[°C]	60	60
Air flow	[m^3/h]	12560	10180
Back pressure	[Pa]	0	0
Sound pressure level	[dB(A)]	62	57

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

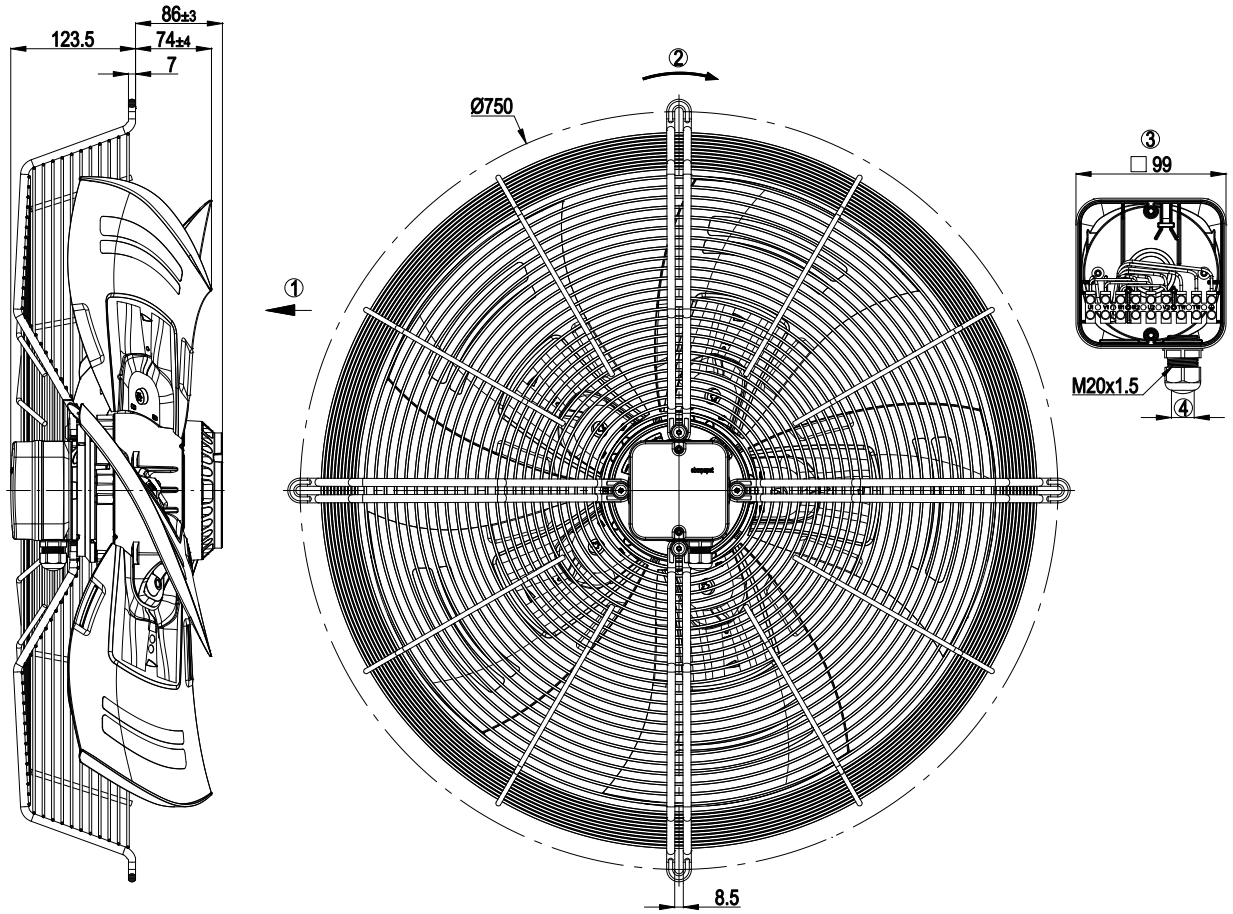
Leackage current	<= 3,5 mA
Size	630 mm
Line	HyBlade
Operation mode	S1
Mounting position	Any
Electrical leads	Via terminal box
Direction of rotation	Counter-clockwise, seen on rotor
Insulation class	"F"
Cable exit	Axial
Condensate discharge holes	On rotor and stator sides
Bearing-motor	Ball bearing
Mass	17.7 kg
Material of terminal box	ABS plastic, black
Material of blades	PP plastic, black
Material of guard grille	Steel, phosphated and coated in black plastic
Motor protection	Thermal overload protector (TOP) brought out
Product conforming to standard	CE; EN 61800-5-1
Surface of rotor	Cast in aluminium
Number of blades	5
Type of protection	IP 54
Protection class	I
Approval	GOST; VDE

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Product drawing



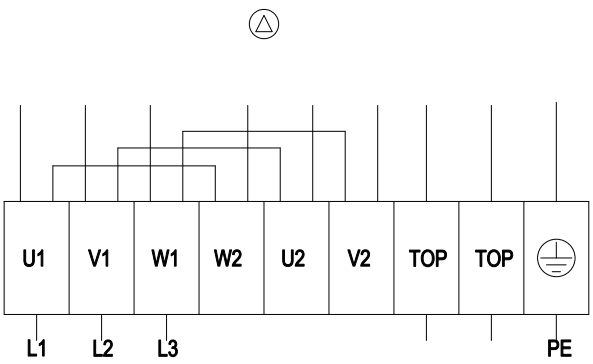
1	Direction of air flow "V"
2	Direction of rotation counterclockwise, seen on rotor
3	Shown without terminal box cover
4	Cable diameter: min. 6 mm, max. 12 mm

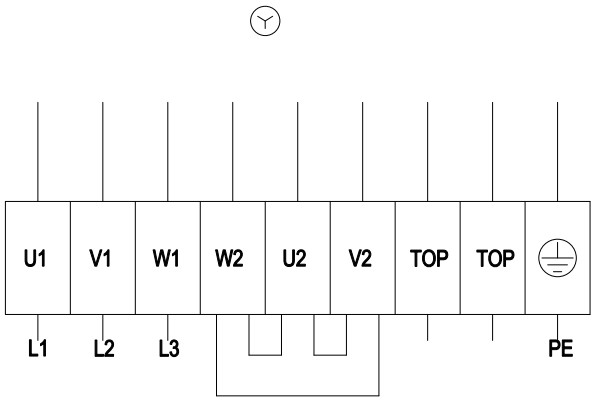
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Connection screen





Note: Direction of rotation changes when two phases are reversed

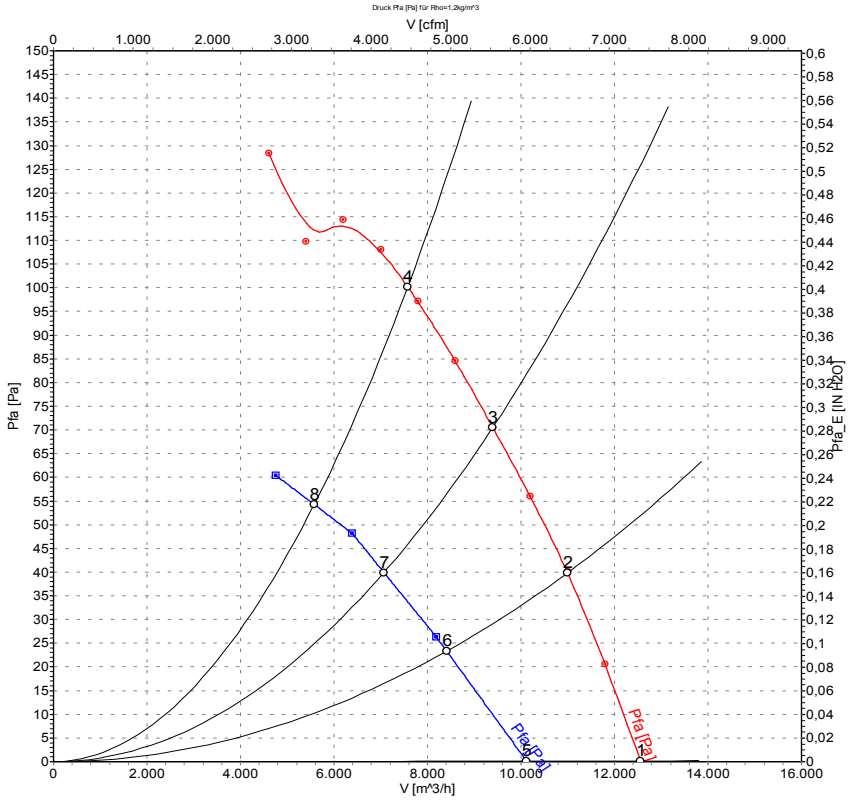
Δ	Delta connection	Y	Star connection	L1	= U1 = black
L2	= V1 = blue	L3	= W1 = brown	W2	yellow
U2	green	V2	white	TOP	2 x grey
PE	green / yellow				

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Charts: Air flow 50 Hz



Measured values

	Conn.	U	f	n	P_1	I	LpA_{ss}	LpA_{ds}	LwA_{ss}	LwA_{ds}	η_{TL}	$\hat{V}$	p_{fa}
		[V]	[Hz]	[min^{-1}]	[W]	[A]	[dB(A)]	[dB(A)]	[dB(A)]	[dB(A)]	[%]	[m^3/h]	[Pa]
1	Δ	400	50	900	566	1.18	62	62	68	69	81	12560	0
2	Δ	400	50	885	632	1.24	60	58	66	67	78	10990	40
3	Δ	400	50	870	686	1.30	59	54	65	66	71	9395	70
4	Δ	400	50	850	740	1.38	63	57	69	70	60	7575	100
5	Y	400	50	720	386	0.66	57	57	63	64	87	10120	0
6	Y	400	50	670	410	0.70	54	50	60	60	84	8410	23
7	Y	400	50	645	426	0.73	53	48	60	60	78	7070	40
8	Y	400	50	620	440	0.76	55	50	62	62	67	5575	54

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