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Limited partnership · Headquarters Mulfingen  
County court Stuttgart · HRA 590344General partner Elektrobau Mulfingen GmbH · Headquarters Mulfingen  
County court Stuttgart · HRB 590142**Nominal data**

Type	A8D630-AN01-01						
Motor	M8D110-GF						
Phase		3~	3~	3~	3~	3~	3~
Nominal voltage	VAC	400	400	400	400	480	480
Connection		Δ	Y	Δ	Y	Δ	Y
Frequency	Hz	50	50	60	60	60	60
Type of data definition		ml	ml	ml	ml	ml	ml
Valid for approval / standard		CE	CE	CE	CE	CE	CE
Speed	min <sup>-1</sup>	660	520	725	460	780	560
Power input	W	330	190	430	210	490	270
Current draw	A	0.83	0.39	0.90	0.44	0.94	0.45
Max. back pressure	Pa	60	36	70	30	80	37
Min. ambient temperature	°C	-40	-40	-40	-40	-40	-40
Max. ambient temperature	°C	65	65	55	55	55	55
Starting current	A	3.1		2.8			

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	Overall efficiency $\eta_{es}$	Actual	Request 2013	Request 2015
Efficiency category	Static	Efficiency grade N	26.5	26.5	30.5
Variable speed drive	No	Power input $P_e$	36	36	40
Specific ratio*	1.00	Power input $P_e$	kW	0.32	
		Air flow $q_v$	m <sup>3</sup> /h	5255	
		Pressure increase $p_{fs}$	Pa	58	
		Speed n	min <sup>-1</sup>	670	

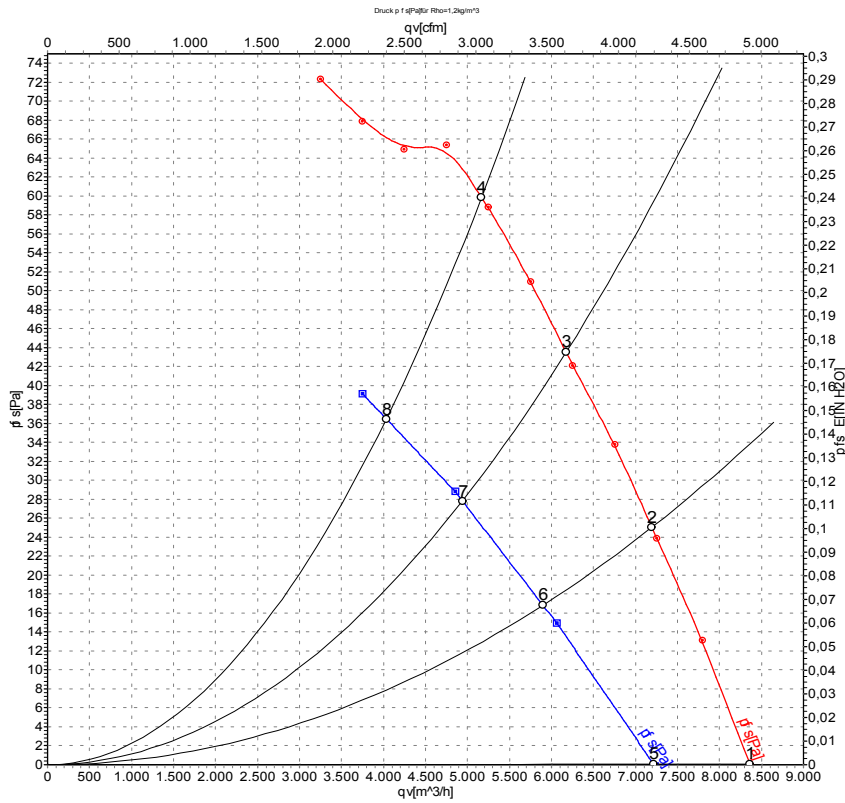
Data established at point of optimum efficiency



## Technical features

<b>Mass</b>	10.1 kg
<b>Size</b>	630 mm
<b>Surface of rotor</b>	Coated in black
<b>Material of terminal box</b>	PP plastic
<b>Material of blades</b>	Press-fitted sheet steel blank, sprayed with PP plastic
<b>Number of blades</b>	5
<b>Direction of air flow</b>	"V"
<b>Type of protection</b>	IP 54
<b>Insulation class</b>	"F"
<b>Humidity class</b>	F4-1
<b>Max. permissible ambient motor temp. (transp./ storage)</b>	+ 80 °C
<b>Min. permissible ambient motor temp. (transp./storage)</b>	- 40 °C
<b>Mounting position</b>	Shaft horizontal or rotor on bottom; rotor on top on request
<b>Condensate discharge holes</b>	Rotor-side
<b>Operation mode</b>	S1
<b>Motor bearing</b>	Ball bearing
<b>Touch current acc. IEC 60990 (measuring network Fig. 4, TN system)</b>	<= 3.5 mA
<b>Electrical leads</b>	Via terminal box
<b>Motor protection</b>	Thermal overload protector (TOP) brought out
<b>Cable exit</b>	Axial
<b>Protection class</b>	I (if protective earth is connected by customer)
<b>Product conforming to standard</b>	EN 61800-5-1; CE
<b>Approval</b>	GOST; CCC; VDE

## Charts: Air flow 50 Hz



Measurement: LU-105817  
Measurement: LU-107328

Air performance measured as per ISO 5801 Installation category A. For detailed information on the measuring set-up, please contact ebmpapst. 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	Pe	I	LpA <sub>in</sub>	LwA <sub>in</sub>	LwA <sub>out</sub>	qv	p <sub>fs</sub>
		V	Hz	min <sup>-1</sup>	W	A	dB(A)	dB(A)	dB(A)	m <sup>3</sup> /h	Pa
1	Δ	400	50	700	248	0.79	58	63	62	8360	0
2	Δ	400	50	685	285	0.81	54	60	60	7195	25
3	Δ	400	50	675	309	0.82	54	60	59	6175	44
4	Δ	400	50	660	330	0.83	54	61	60	5165	60
5	Y	400	50	600	157	0.33	53	59	58	7215	0
6	Y	400	50	560	176	0.35	50	56	55	5900	17
7	Y	400	50	535	186	0.37	49	55	54	4940	28
8	Y	400	50	520	190	0.39	49	55	55	4035	36

Conn. = Connection · U = Supply voltage · f = Frequency · n = Speed · P<sub>e</sub> = Power input · I = Current draw · LpA<sub>in</sub> = Sound pressure level inlet side · LwA<sub>in</sub> = Sound power level inlet side  
LwA<sub>out</sub> = Sound power level outlet side · qv = Air flow · p<sub>fs</sub> = Pressure increase

