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Nominal data

Type	S6E630-AN01-01/F01	
Motor	M6E110-GF	
Phase		1~
Nominal voltage	VAC	230
Frequency	Hz	50
Type of data definition		ml
Valid for approval / standard		CE
Speed	min ⁻¹	860
Power input	W	600
Current draw	A	2.62
Motor capacitor	μF	14
Capacitor voltage	VDB	400
Max. back pressure	Pa	100
Max. ambient temperature	°C	55

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
Variable speed drive integrated	No
Specific ratio*	1,00

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

		Actual	Request 2013	Request 2015
Overall efficiency η_e		30,6	28,2	32,2
Efficiency grade N		38,4	36	40
Power input P_e	kW	0,59		
Air flow q_v	m³/h	6725		
Pressure increase Total p_{sf}	Pa	98		
Speed n	min ⁻¹	865		

Data established at point of optimum efficiency



Technical features

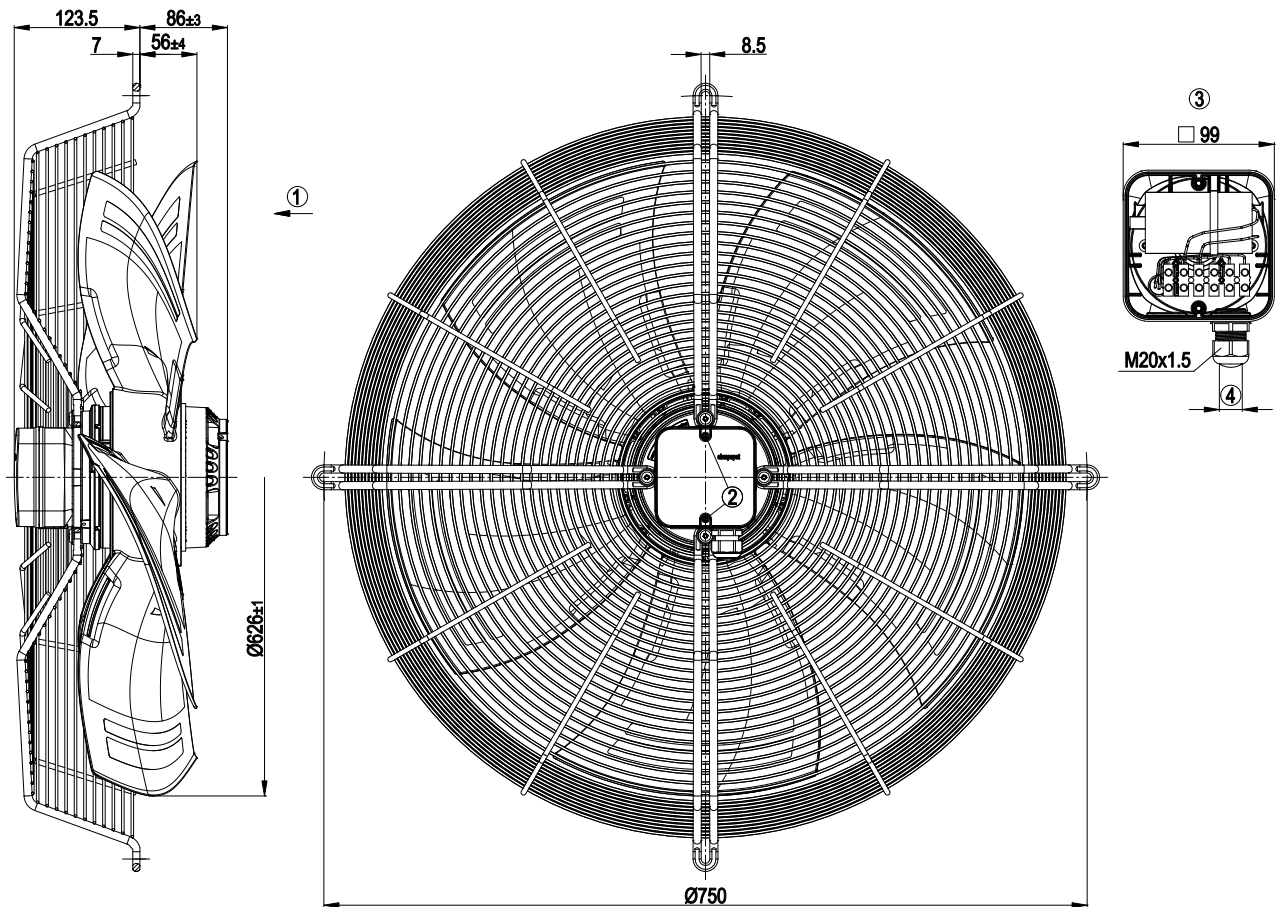
Mass	17.7 kg
Size	630 mm
Surface of rotor	Coated in black
Material of terminal box	ABS plastic, black
Material of blades	Press-fitted sheet steel blank, sprayed with PP plastic
Material of guard grille	Steel, phosphated and coated in black plastic
Number of blades	5
Direction of air flow	"V"
Direction of rotation	Counter-clockwise, seen on rotor
Type of protection	IP 54
Insulation class	"F"
Humidity class	F4-1
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	<= 3.5 mA
Electrical leads	Via terminal box, integrated capacitor connected via terminal box
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 61800-5-1; CE
Approval	VDE; CCC

AC axial fan - HyBlade®

sickled blades (S series)

with guard grille for short nozzle

Product drawing

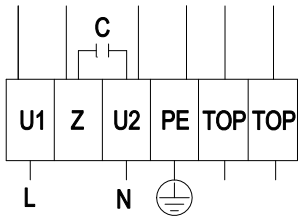


1	Direction of air flow "V"
2	Tightening torque 0.8±0.15 Nm
3	Illustration without terminal box cover
4	Cable diameter: min. 6 mm, max. 12 mm; tightening torque: 2±0.3 Nm

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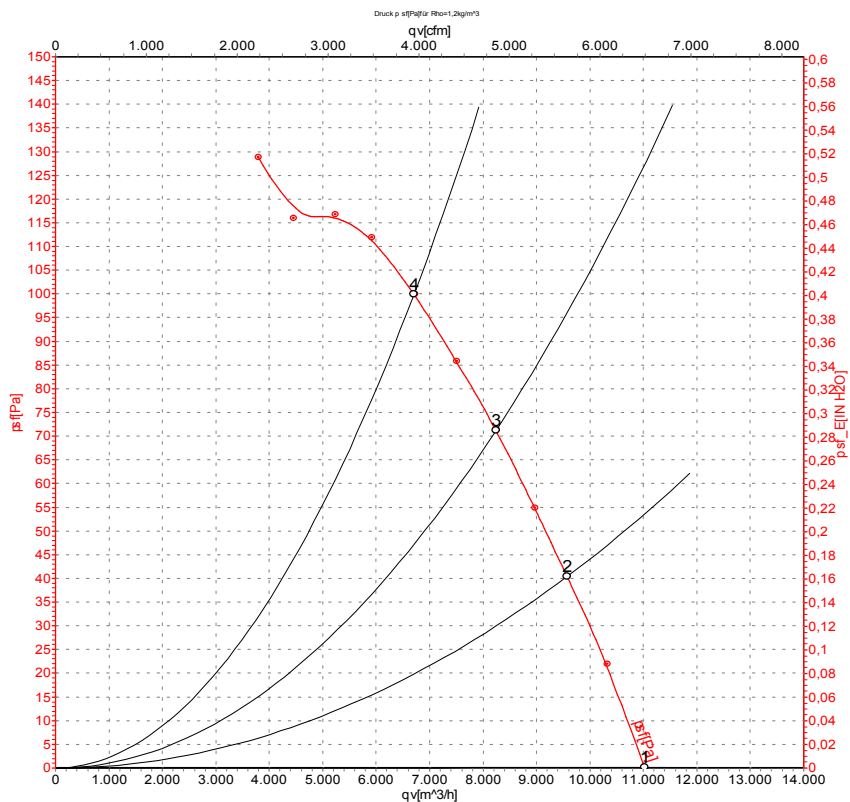
Connection screen



L	= U1 = blue	Z	brown	N	= U2 = black
PE	green / yellow	TOP	grey		



Charts: Air flow 50 Hz



Measurement: LU-105789

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

	U	f	n	P _e	I	L _{pA_{in}}	L _{wA_{in}}	L _{wA_{out}}	q _v	p _{sf}
	V	Hz	min ⁻¹	W	A	dB(A)	dB(A)	dB(A)	m³/h	Pa
1	230	50	925	467	2.04	64	70	70	11020	0
2	230	50	905	521	2.27	61	67	67	9570	40
3	230	50	885	559	2.44	60	66	65	8240	70
4	230	50	860	600	2.62	61	68	67	6705	100

