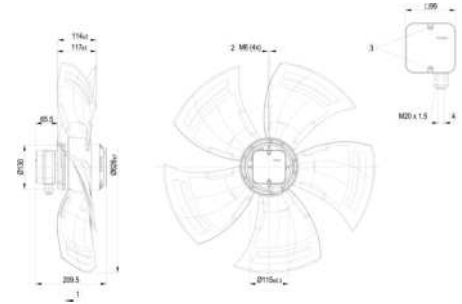


KARTA KATALOGOWA

A6E630-AN01-01

Wentylator osiowy AC HyBlade, łopatki sierpowe (seria S)

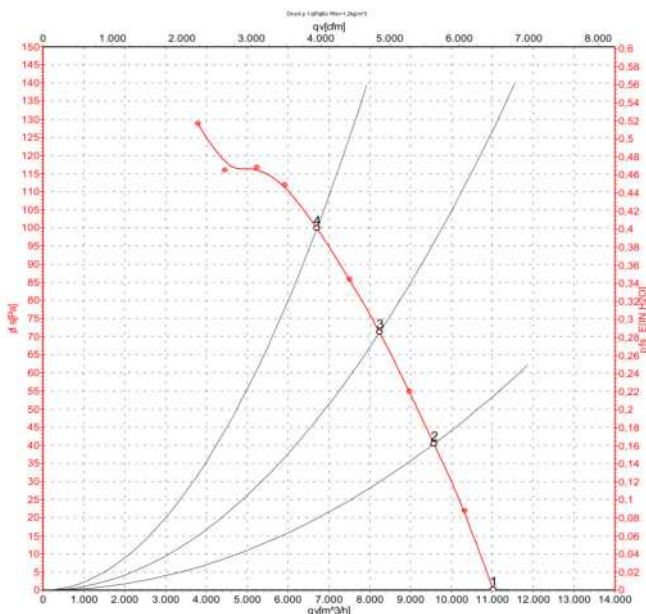
Producent: ebm-papst



Dane znamionowe		Budowa	
Napięcie znamionowe	1~ 230 V	Wielkość	630 mm
Częstotliwość	50 Hz	Silnik	M6E110-GF
Prędkość obrotowa	860 obr/min	Materiał wirnika	blacha stalowa natryskiwana tworzywem PP
Pobór mocy	600 W	Liczba łopatek	5
Pobór prądu	2,62 A	Kierunek obrotów	w lewo, patrząc na wirnik
Maks. przeciwciśnienie	100 Pa	Stopień ochrony	IP54
Kondensator	14 µF / 400 V	Klasa izolacji	F
Temperatura otoczenia	-40...+55 °C	Zabezpieczenie silnika	termik (TOP), wyprowadzony
Dane ErP (UE 327/2011)		Łożyskowanie	kulkowe
Sprawność całkowita	32,2 %	Podłączenie	skrzynka zaciskowa, kondensator wbudowany
Przepływ w pkt. optymalnym	6725 m³/h	Masa	10 kg
Przyrost ciśnienia	98 Pa		
Regulacja prędkości (ErP)	nie		

Charakterystyka przepływowa (50 Hz)

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.

Dane na okładce wg karty katalogowej producenta ebm-papst (oryginał na kolejnych stronach).

Wartości przy maksymalnym obciążeniu; producent zastrzega możliwość zmian.

Dobór, wycena i dostawa – zapytaj LUFTBERG

tel. +48 600 100 371 · tel. +48 604 959 199

biuro@luftberg.pl · www.luftberg.pl

A6E630-AN01-01

AC axial fan - HyBlade®

sickled blades (S 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



Nominal data

Type	A6E630-AN01-01	
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
Min. ambient temperature	°C	-40
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	No
Specific ratio*	1.00

* Specific ratio = $1 + p_{fs} / 100\,000\text{ Pa}$

		Actual	Request 2013	Request 2015
Overall efficiency η_{es}		32.2	28.2	32.2
Efficiency grade N		40	36	40
Power input P_e	kW	0.59		
Air flow q_v	m³/h	6725		
Pressure increase p_{fs}	Pa	98		
Speed n	min ⁻¹	865		

Data established at point of optimum efficiency



A6E630-AN01-01

AC axial fan - HyBlade®

sickled blades (S series)

Technical features

Mass	10 kg
Size	630 mm
Surface of rotor	Coated in black
Material of terminal box	PP plastic
Material of blades	Press-fitted sheet steel blank, sprayed with PP 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
Touch current acc. IEC 60990 (measuring network Fig. 4, TN system)	<= 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	GOST; VDE; CCC

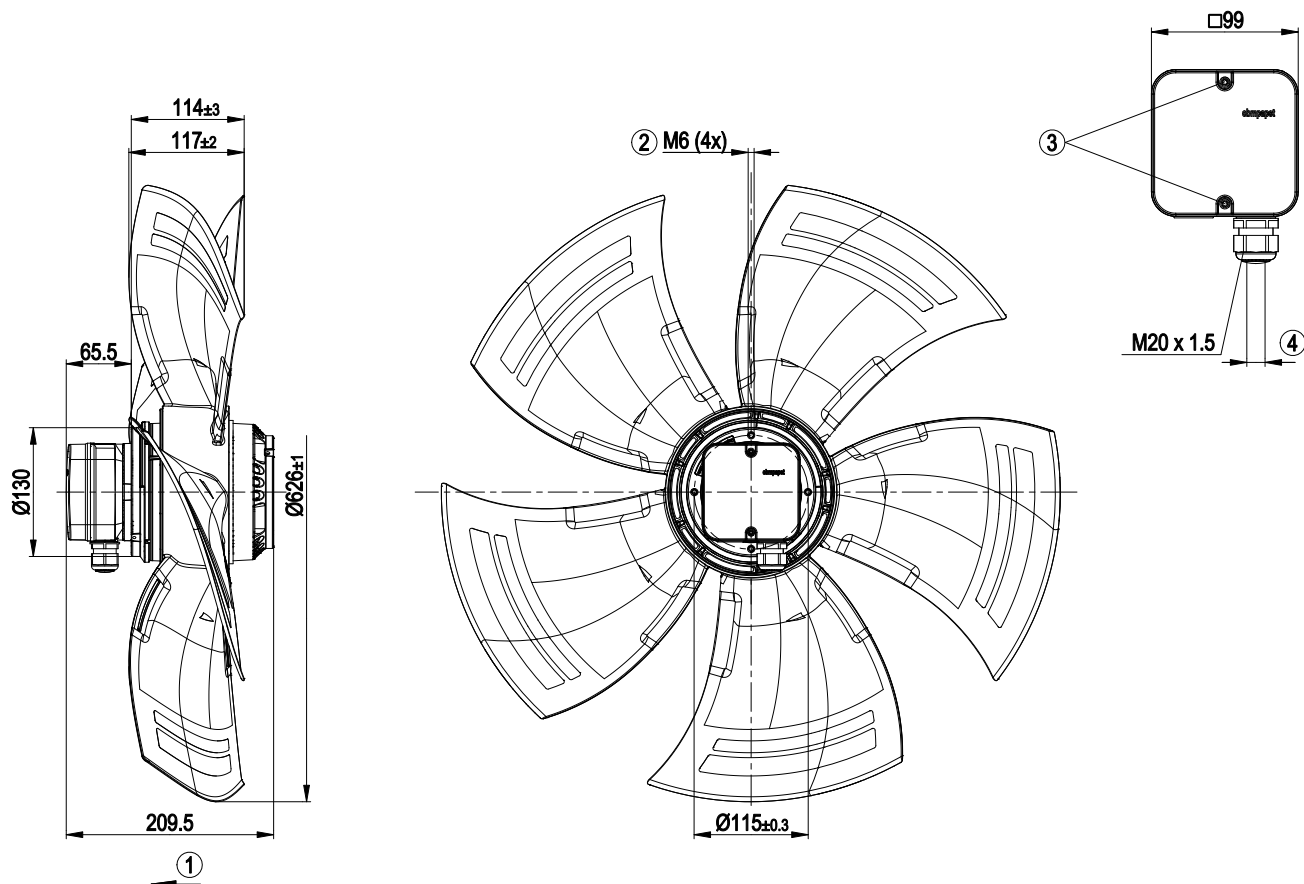


A6E630-AN01-01

AC axial fan - HyBlade®

sickled blades (S series)

Product drawing

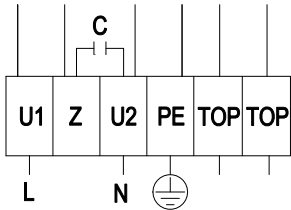


1	Direction of air flow "V"
2	Screw depth max. 12 mm
3	Tightening torque 1.5±0.2 Nm
4	Cable diameter: min. 6 mm, max. 12 mm, tightening torque: 2±0.3 Nm

A6E630-AN01-01

AC axial fan - HyBlade®
sickled blades (S series)

Connection screen



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

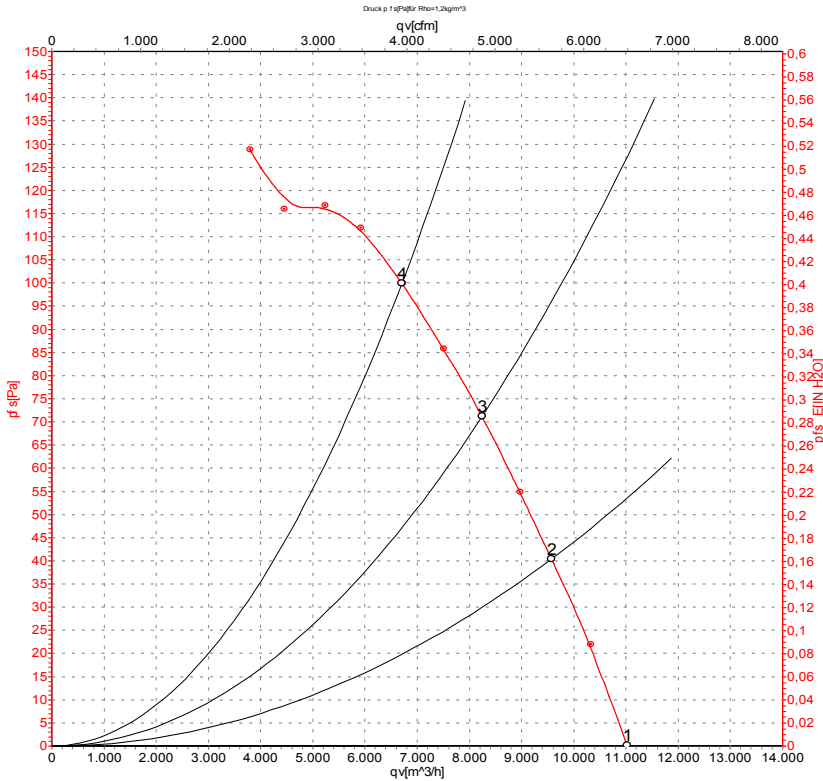


A6E630-AN01-01

AC axial fan - HyBlade®

sickled blades (S series)

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: 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

	U	f	n	P _e	I	LpA _{in}	LwA _{in}	LwA _{out}	qv	p _{fs}
	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

U = Supply voltage · f = Frequency · n = Speed · P_e = Power input · I = Current draw · LpA_{in} = Sound pressure level inlet side · LwA_{in} = Sound power level inlet side · LwA_{out} = Sound power level outlet side
qv = Air flow · p_{fs} = Pressure increase

