

AR 500E4 sileo Axial fan

Article Number: 37387

Variant : 230V 1~ 50Hz



Description

speed controllable by voltage reduction, plus option of 2-step operation by D/Y switching for 400V versions

safe and maintenance free operation

can be installed in any mounting position

electric connection via terminal box mounted on the casing

Axial fans of the AR sileo range do have a bionic shape of the fan blade, and are driven by external rotor motors. The AR range is mounted in a round casing according Eurovent 1/2, galvanized steel and powder coated in black (RAL9005). The axial impeller is manufactured from black high efficiency composite material. The impeller is balanced dynamically in two levels in accordance with DIN ISO...

[Find more details in our online catalogue](#)

Technical parameters

Nominal data	
Voltage (Nominal)	230 V
Frequency	50 Hz
Phase(s)	1~
Motor circuit connection	D
Input power	720 W
Input current	3.2 A
Impeller speed	1,240 r.p.m.
Air flow	max 2.466 m³/s
Air flow at max. efficiency	1.593 m³/s
Specific ratio	1,000000
Capacitance of capacitor	16 µF
Temperature of transported air	max 70 °C
Max temperature of transported air, when speed controlled	70 °C
Sound data	
Sound pressure level at 1m	66 dB(A)
Protection/Classification	
Enclosure class, motor	IP54
Insulation class	F
Data according to ErP	
ErP ready	ErP 2018
Measurement category	A
Efficiency grade	40.3 η_{actual}
Efficiency, static	32.9 η_{statA}
Target efficiency grade ErP2013	36 $\eta_{target2013}$
Target efficiency grade ErP2015	40 $\eta_{target2015}$

Dimension

A ØDi ØDa ØTK z x Ød

AR 500
sileo

205

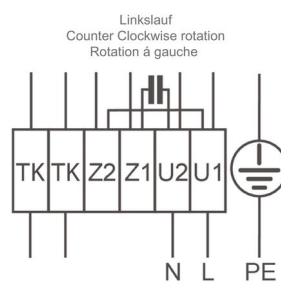
503

590

560

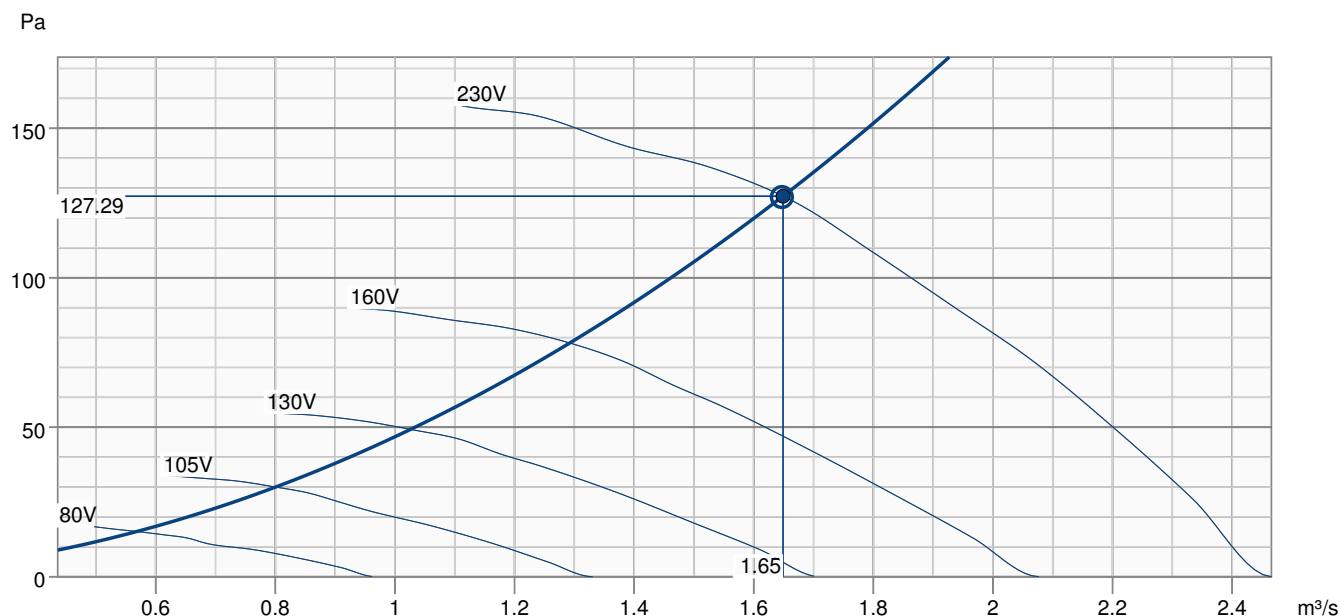
12 x Ø12

Wiring



Dimensions and weights		
Duct dimension; Circular, inlet	500	mm
Duct dimension; Circular, outlet	500	mm
Weight	18.6	kg
Others		
Duct connection type	Circular	
Color name, casing	Black	
Motor type	AC	

Performance curve



Hydraulic data										
Required air flow		1.65 m³/s								
Required static pressure		127 Pa								
Working air flow		1.65 m³/s								
Working static pressure		127 Pa								
Air density		1.204 kg/m³								
Power		694.1 W								
Fan control - RPM		1258 rpm								
Current		3.06 A								
SFP		0.421 kW/m³/s								
Control voltage		230.0 V								
Supply voltage		230 V								
Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Outlet	dB(A)	19	37	47	54	60	60	56	49	64

Accessories

EV-AR/AXC 500 flex.conn. 70 °C (8356)
MFA-AXC/AM 500 mounting foot (311287)
REU 5 Speed control (5006)
RTRE 5 Speed control (5010)
S-ET 10 Motor Protection (161199)

GFL-AR/AXC 500 counter flange (8380)
REE 4 Speed control (5317)
REV-5POL/05 ON/OFF (33979)
S-ET 10 Motor Protection (5154)
STL 5 Speed controller (84271)

Documents

L-BAL-001-SYSTEMAIR.PDF
EU_DECLARATION_OF_CONFORMITY_AXIAL_FANS_EN_004.PDF
installation variations_1_AR_AW.pdf