

AR 300E4 sileo Axial fan

Item Number: [37378](#)

Variant: 230V 1~ 50Hz - Y (Star)

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 1940 part 1, quality G6.3.

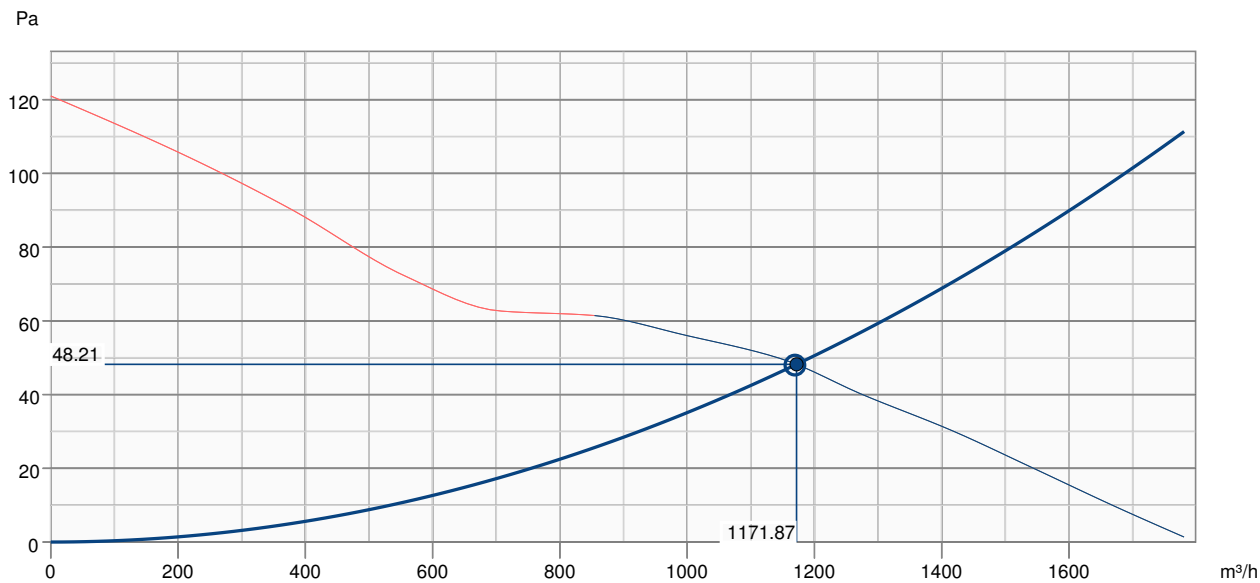
The motors are equipped with thermal contacts for motor protection, with leads to be connected to a motor protection unit.



Technical parameters

Norminal data		
Voltage (nominal)	230	V
Frequency	50	Hz
Phase(s)	1~	
Motor circuit connection	Y	
Input power	72	W
Input current	0.32	A
Impeller speed	1,320	r.p.m.
Air flow	max 1,800	m³/h
Capacitance of capacitor	2	µF
Temperature of transported air	max 50	°C
Maximum temperature of transported air, when speed controlled	50	°C
Sound data		
Sound pressure level at 1m	56	dB(A)
Protection/Classification		
Enclosure class, motor	IP44	
Insulation class	F	
Dimensions and weights		
Duct dimension; Circular, inlet	300	mm
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Weight	5.9	kg
Others		
Duct connection type	Circular	
Color name, casing	Black	
Motor type	AC	

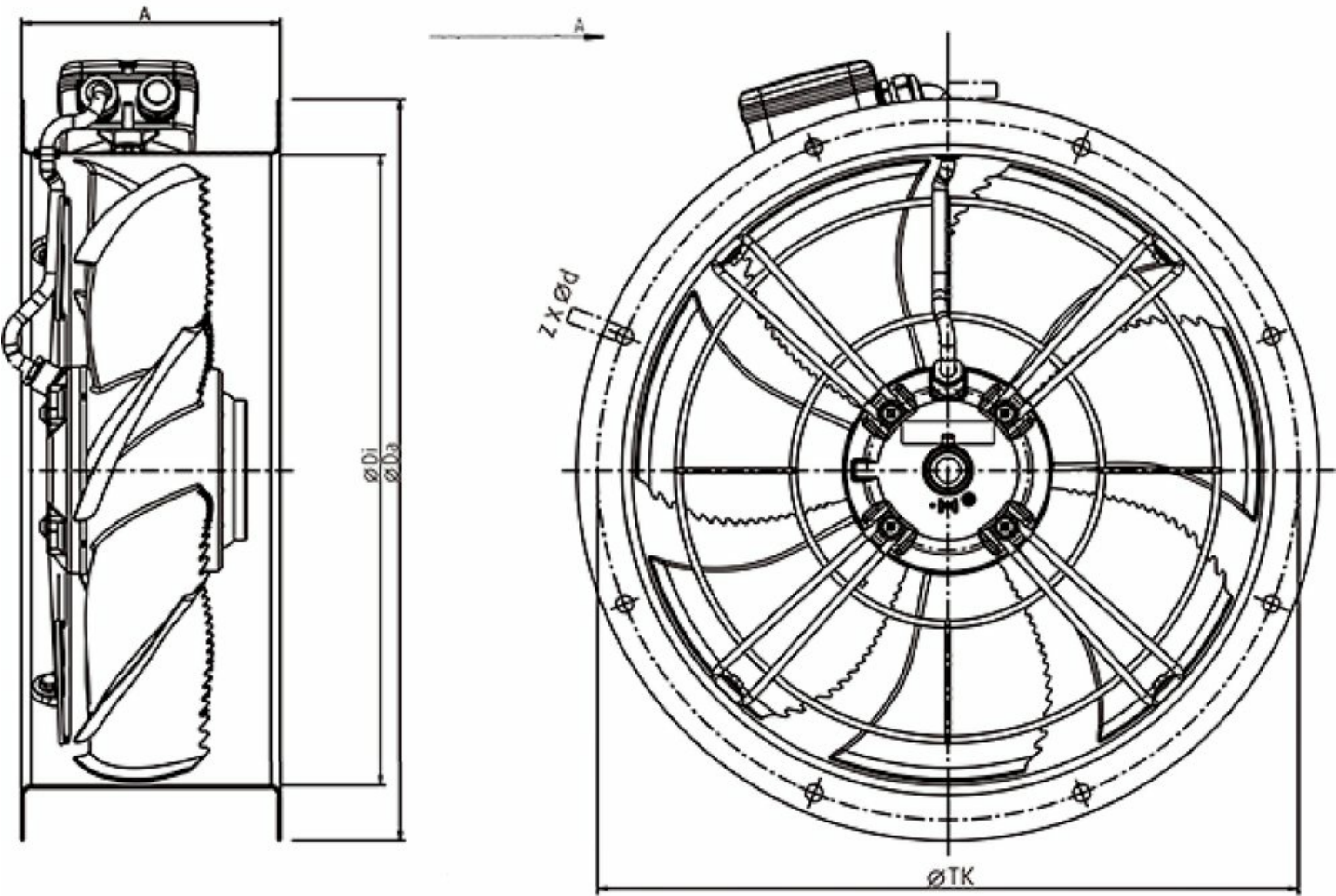
Performance curve



Hydraulic data	
Required air flow	1169 m³/h
Required static pressure	48 Pa
Working air flow	1172 m³/h
Working static pressure	48 Pa
Air density	1.204 kg/m³
Power	66.9 W
Fan control - RPM	1349 rpm
Current	0.30 A
SFP	0.206 kW/m³/s
Control voltage	230.0 V
Supply voltage	230 V

Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	40	48	51	53	53	53	48	37	59
Outlet	dB(A)	41	49	52	54	54	54	49	38	60

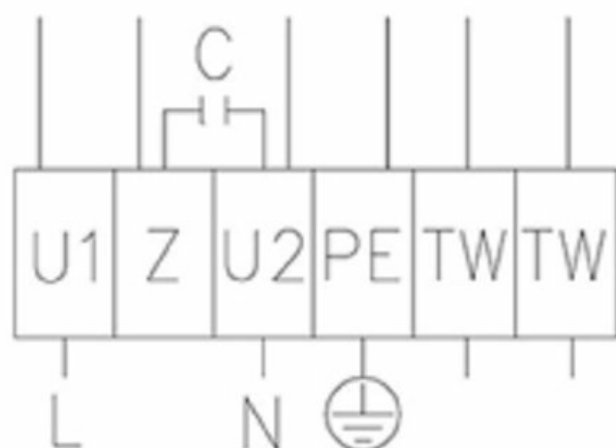
Dimension



	A	ØDi	ØDa	ØTK	z x Ød
AR 300 sileo	135	320	382	356	8 x Ø9,5

Einphasen-Wechselstrommotor mit Betriebskondensator

Singlephase AC motor with capacitor



U₁ =blau/blue
Z =braun/brown
U₂ =schwarz/black
PE =grün/gelb
green/yellow

Accessories

- AWE-SK Motorprotection 2A/230V (5138)
- EV-AR/AXC 315 flex.conn. 70°C (8352)
- GFL-AR/AXC 315 counter flange (8376)
- MFA-AXC/AM 315 mounting foot (311283)
- REE 1 Speed control (5314)
- REU 1.5 Speed control (5004)
- REV-5POL/05 ON/OFF (33979)
- RTRE 1,5 Speed control (5008)
- SG AXC/AM/AR 315 guard grill (310685)

Documents

- IMO - 37378 - AR 300E4 SILEO.PDF
- EU_DECLARATION_OF_CONFORMITY_AXIAL_FANS_EN_003.PDF
- installation variations_2_AR_AW.pdf