

AR 250E4 sileo Axial fan

Item Number: [37377](#)

Variant: 230V 1~ 50Hz - D (Delta)

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 sickle 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 sheet steel black coated.

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.

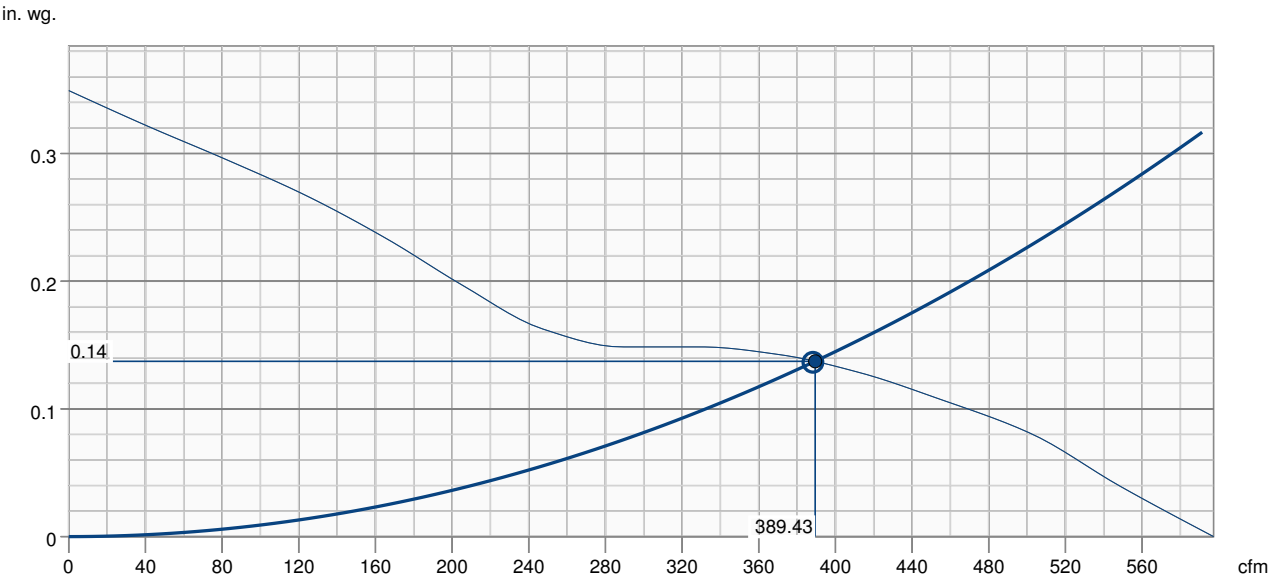


Technical parameters

Nominal data		
Voltage (Nominal)	230	V
Frequency	50	Hz
Phase(s)	1~	
Motor circuit connection	D	
Input power	50	W
Input current	0.217	A
Impeller speed	1,263	r.p.m.
Air flow	max 598.0	cfm
Capacitance of capacitor	1.5	μF
Temperature of transported air	max 104	°F
Max temperature of transported air, when speed controlled	104	°F
Sound data		
Sound pressure level at 1m	52	dB(A)
Protection/Classification		
Enclosure class, motor	IP44	
Insulation class	B	
Dimensions and weights		
Duct dimension; Circular, inlet	250	mm
Duct dimension; Circular, outlet	250	mm
Weight	8.8	lb

Others	
Duct connection type	Circular
Color name, casing	Black
Motor type	AC

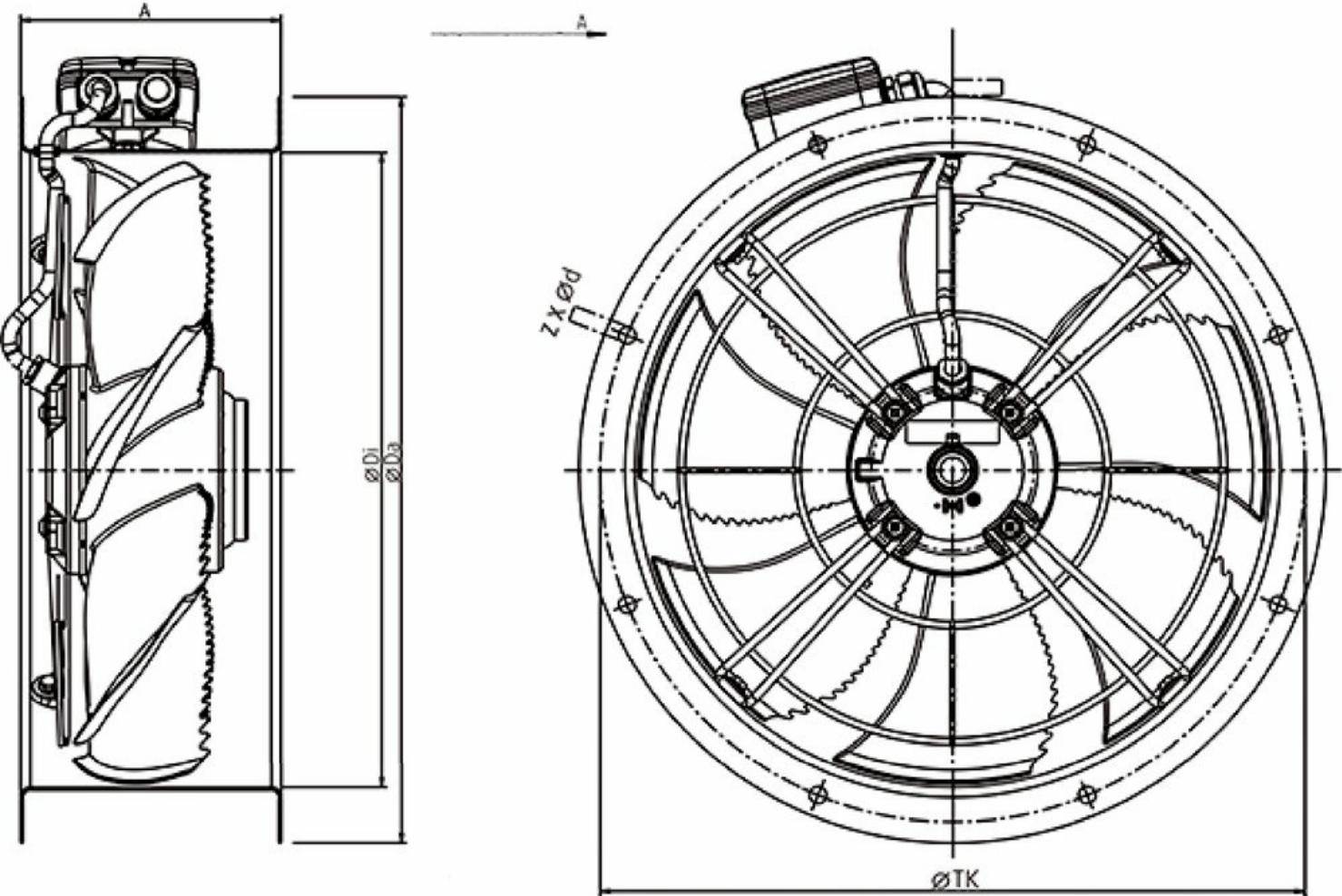
Performance curve



Hydraulic data

Required air flow	388 cfm
Required static pressure	0.14 in. wg.
Working air flow	389 cfm
Working static pressure	0.14 in. wg.
Air density	0.075 lb/ft ³
Power	44.6 W
Fan control - RPM	1362 rpm
Current	0.20 A
SFP	0.243 kW/m ³ /s
Control voltage	230.0 V
Supply voltage	230 V

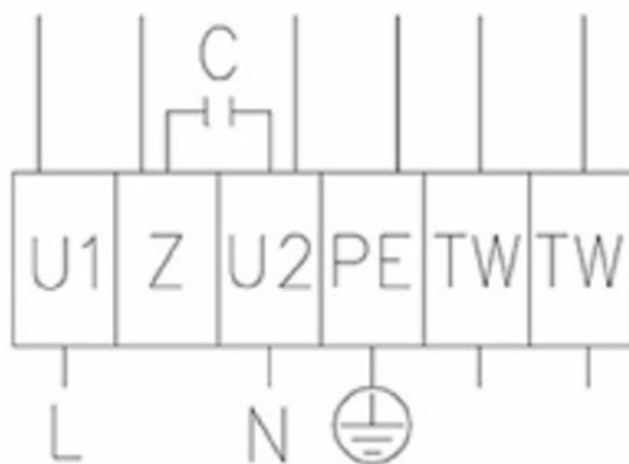
Dimensions



	A	ØDi	ØDa	ØTK	z x Ød
AR 250 sileo	135	257	305	280	4 x Ø7

Wiring

Einphasen-Wechselstrommotor mit Betriebskondensator Singlephase AC motor with capacitor



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

Accessories

- GFL-AR/AXCBF 250 counterflange (311162)
- MFA-AR/AXCBF 250 mounting foot (313300)
- REV-5POL/05 ON/OFF (33979)
- SG AR/AXCBF 250 guard grill (313299)

Documents

- IMO - 37377 - AR 250E4 SILEO.PDF
- EU_DECLARATION_OF_CONFORMITY_AXIAL_FANS_EN_003.PDF
- installation variations_2_AR_AW.pdf

Specification