

AW 350E4 sileo Axial fan

Item Number: [37409](#)

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

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

Inlet protection guard.

Safe and maintenance free operation.

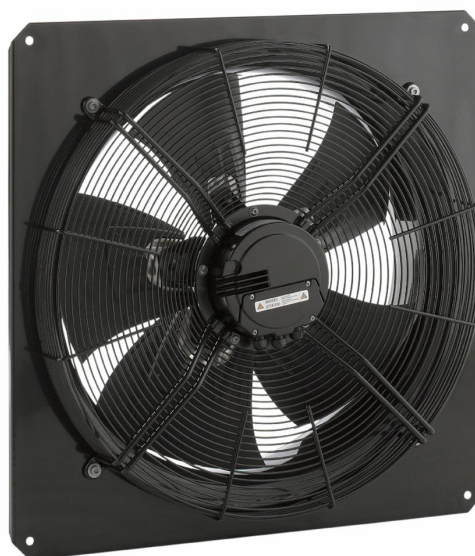
Can be installed in any mounting position.

Electric connection via terminal box mounted on the motor.

Single phase fans are supplied with capacitor.

Axial fans of the AW sileo range do have a bionic shape of the fan blade, and are driven by external rotor motors. The AW range is equipped with a square wall plate, galvanized steel and powder coated in black (RAL9005). The protection guard at the inlet side is powder coated in black. The axial impeller is manufactured from pressure die cast aluminum and also painted in black (RAL9005). 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	165	W
Input current	0.73	A
Impeller speed	1,340	r.p.m.
Air flow	max 3,305	m³/h
Air flow at max. efficiency	2,160	m³/h
Specific ratio	1,000000	
Capacitance of capacitor	4	µF
Temperature of transported air	max 65	°C
Max temperature of transported air, when speed controlled	65	°C
Sound data		
Sound pressure level at 1m	62	dB(A)
Protection/Classification		
Enclosure class, motor	IP44	
Insulation class	F	
Data according to ErP		
Measurement category	A	
Efficiency grade	40.4	η _{actual}
Efficiency, static	29	η _{statA}
Target efficiency grade ErP2013	36	η _{target2013}
Target efficiency grade ErP2015	40	η _{target2015}

Dimensions and weights

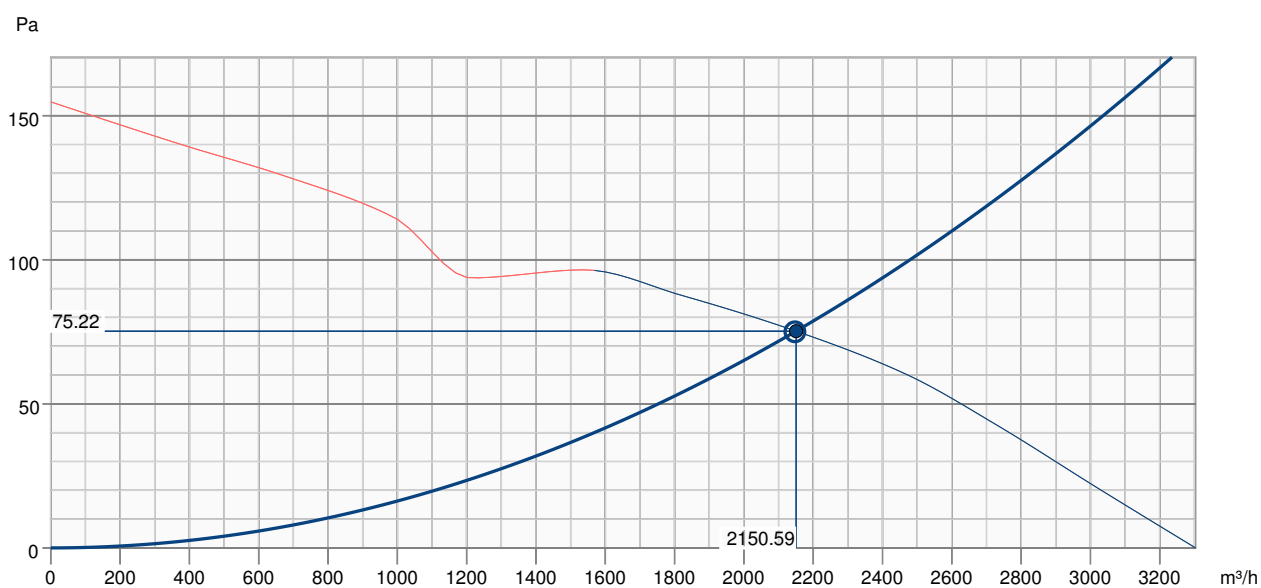
Weight	6.8 kg
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Others

Color name, casing	Black
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Motor type	AC
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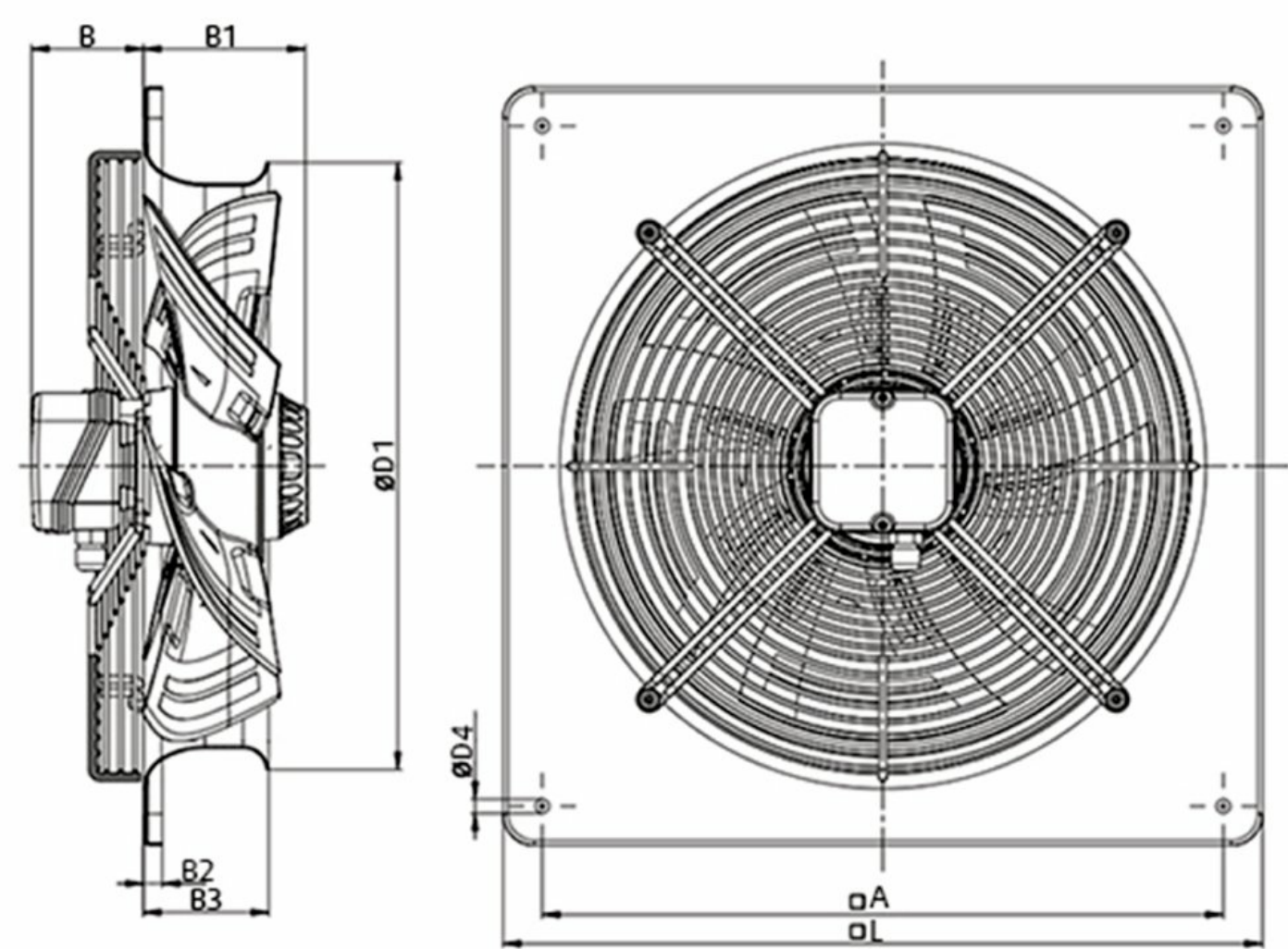
Performance curve



Hydraulic data	
Required air flow	2147 m³/h
Required static pressure	75 Pa
Working air flow	2151 m³/h
Working static pressure	75 Pa
Air density	1.204 kg/m³
Power	160.6 W
Fan control - RPM	1355 rpm
Current	0.70 A
SFP	0.269 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)	47	50	51	54	57	56	53	43	62
Outlet	dB(A)	48	50	51	54	58	57	54	43	63

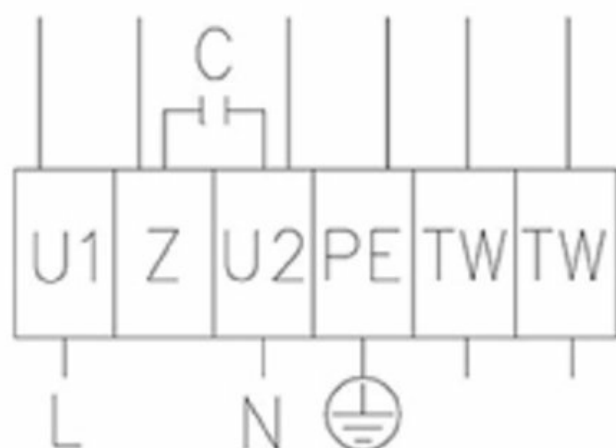
Dimension



	B	B1	ØD1	B2	B3	ØA	ØL	ØD4
AW 350E4 sileo	72	105	417	12	80	435	485	9

Einphasen-Wechselstrommotor mit Betriebskondensator

Singlephase AC motor with capacitor



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

Ecodesign 327		
Manufacturer	Systemair GmbH, Seehöfer Str. 45, DE-97944 Boxberg, Amtsgericht (court of registration) Mannheim, HRB 560437	
Type	AW 350E4	
Year of manufacture	See name plate of the fan	
Air flow qv	2,160	m³/h
Efficiency category	static	
Efficiency grade N	40.4	
Efficiency grade target N	40	
Speed (rpm) n	1,355	r.p.m.
Pressure increase total psf	75	Pa
Power consumption Ped	160	W
Overall efficiency	29	%
Overall efficiency target	28.6	%
Variable speed drive	No	
Additional components	Components used to calculate the energy efficiency that are not apparent from the measurement category are detailed in the CE declaration.	
Maintenance	Information on installation, operation and maintenance is provided in the operating instructions.	

Recycling / disposal

Information on
recycling and
disposal is provided
in the operating
instructions.

Accessories

- AWE-SK Motorprotection 2A/230V (5138)
- REE 1 Speed control (5314)
- REU 1.5 Speed control (5004)
- REV-5POL/05 ON/OFF (33979)
- RTRE 1,5 Speed control (5008)

Documents

- IMO - 37409 - AW 350E4 SILEO.PDF
- EU_DECLARATION_OF_CONFORMITY_AXIAL_FANS_EN_003.PDF
- installation variations_2_AR_AW.pdf

Specification

The box with a quadratic wall plate made out of electroplated steel plate is powder- coated and black. The protection guard is included. The fan can be installed in each fitting position. The axial impeller with airfoil made out of electroplated steel plate is coated black. The actuation is carried out by a maintenance- free, speed- controlled external rotor motor. The fan is speed- controllable by a thyristor or a transformer alternatively at a 400V- Construction a 2- stepped operation trough a D/Y- Connection is also possible. For protecting the motor integrated thermostat relays with completed lines to a motor protection device are built in. . For annealing the motor is situated in the air flow. Impeller according to VDI 2060, quality category Q6,3 and dynamically weigh heavy in to levels