

AW 350DV sileo Axial fan

Item Number: [37410](#)

Variant: 400V 3~ 50Hz

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.

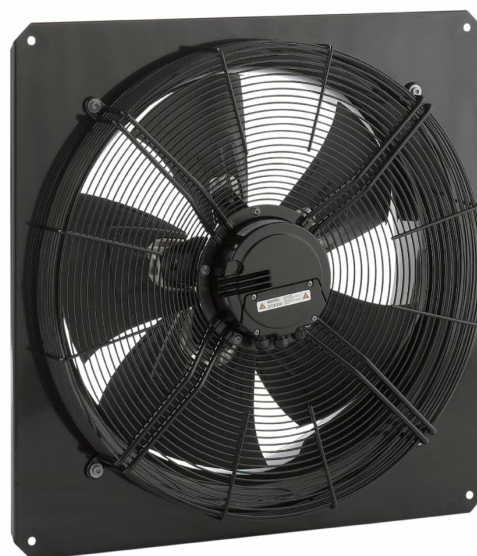
Can be installed in any mounting position.

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

Norminal data		
Voltage (nominal)	400	V
Frequency	50	Hz
Phase(s)	3~	
Motor circuit connection	D; Y	
Input power	170	W
Input current	0.4	A
Impeller speed	1,370	r.p.m.
Air flow	max 3,301	m³/h
Air flow at max. efficiency	2,250	m³/h
Specific ratio	1,000000	
Temperature of transported air	max 45	°C
Max temperature of transported air, when speed controlled	45	°C
Sound data		
Sound pressure level at 1m	64	dB(A)
Protection/Classification		
Enclosure class, motor	IP44	
Insulation class	B	
Data according to ErP		
Measurement category	A	
Efficiency grade	40	η_{actual}
Efficiency, static	28.6	η_{statA}
Target efficiency grade ErP2013	36	$\eta_{target2013}$
Target efficiency grade ErP2015	40	$\eta_{target2015}$

Dimensions and weights

Weight

8.8 kg

Others

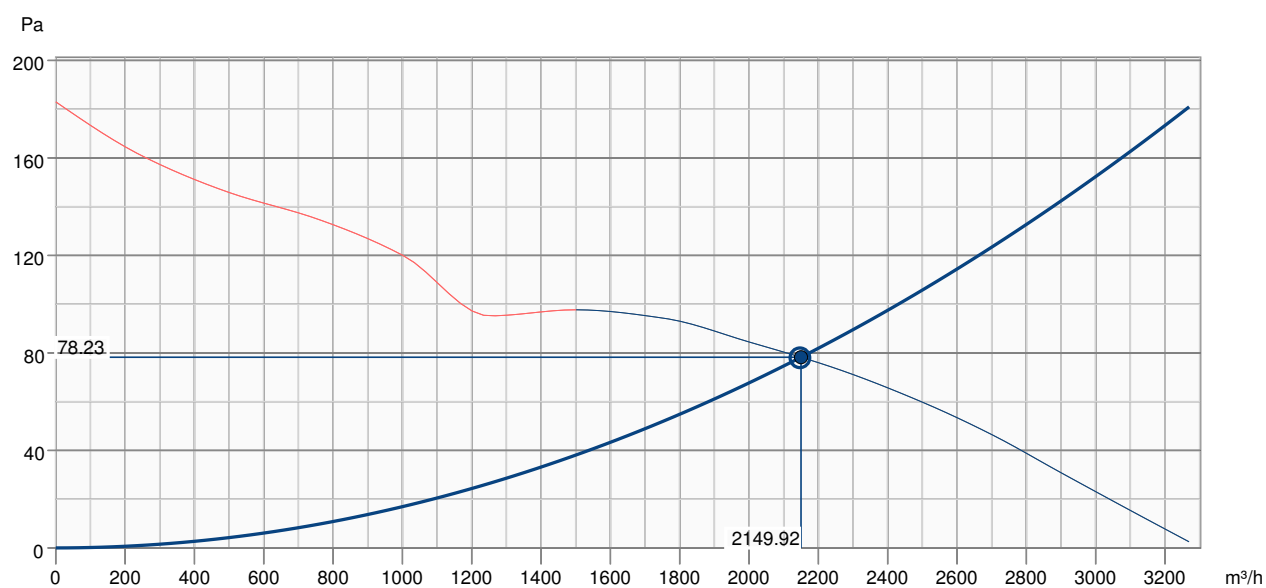
Color name, casing

Black

Motor type

AC

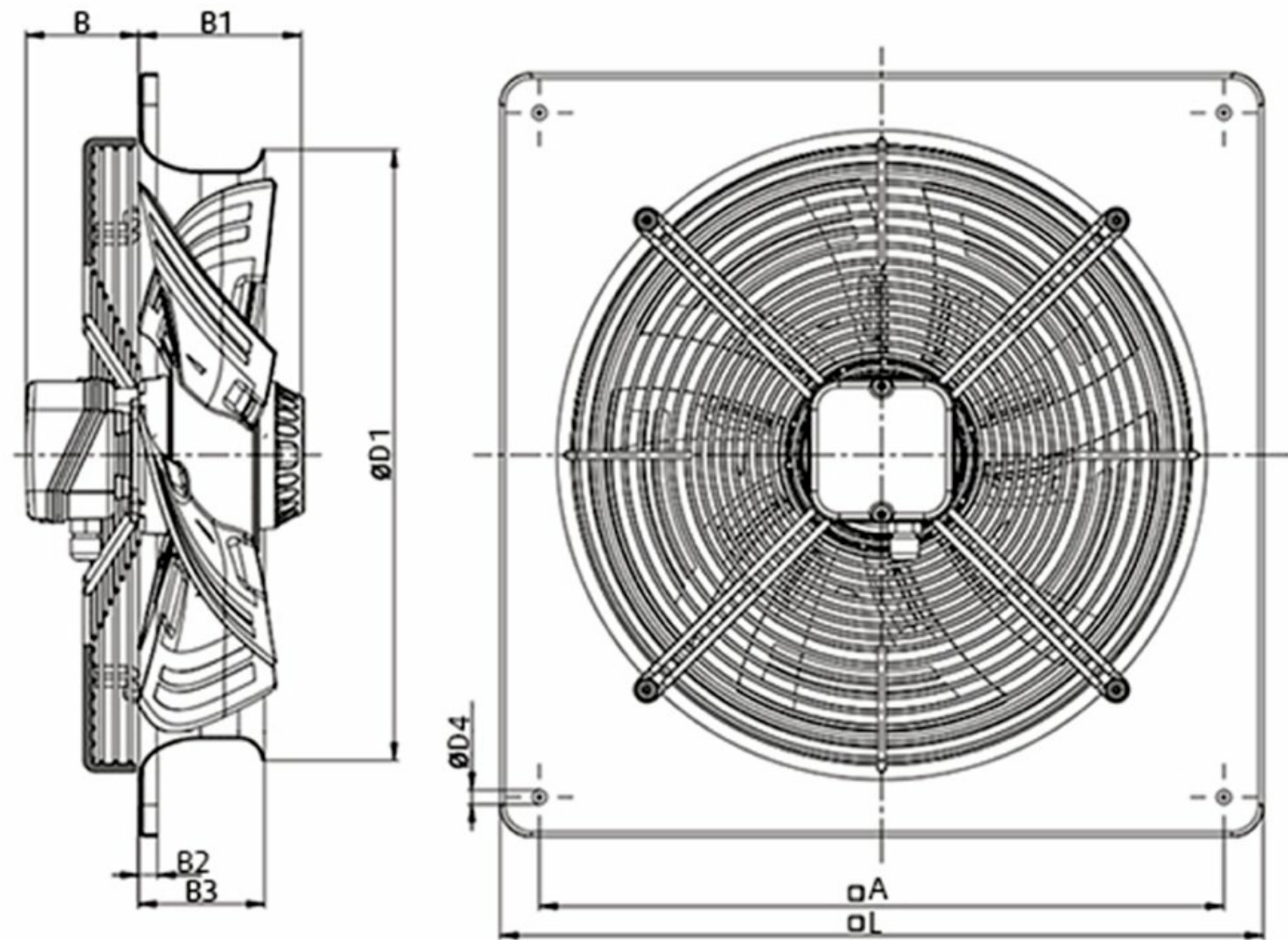
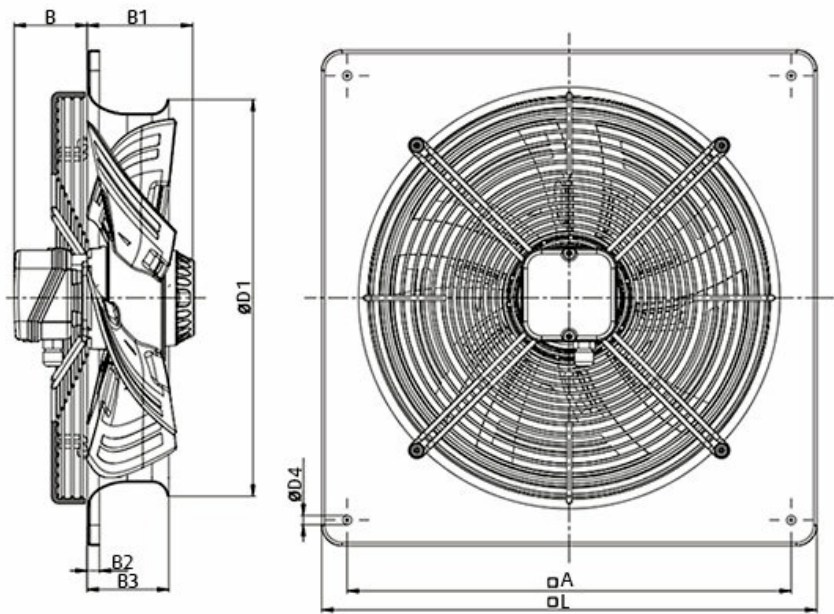
Performance curve



Hydraulic data	
Required air flow	2147 m³/h
Required static pressure	78 Pa
Working air flow	2150 m³/h
Working static pressure	78 Pa
Air density	1.204 kg/m³
Power	163.4 W
Fan control - RPM	1375 rpm
Current	0.36 A
SFP	0.274 kW/m³/s
Control voltage	400.0 V
Supply voltage	400 V

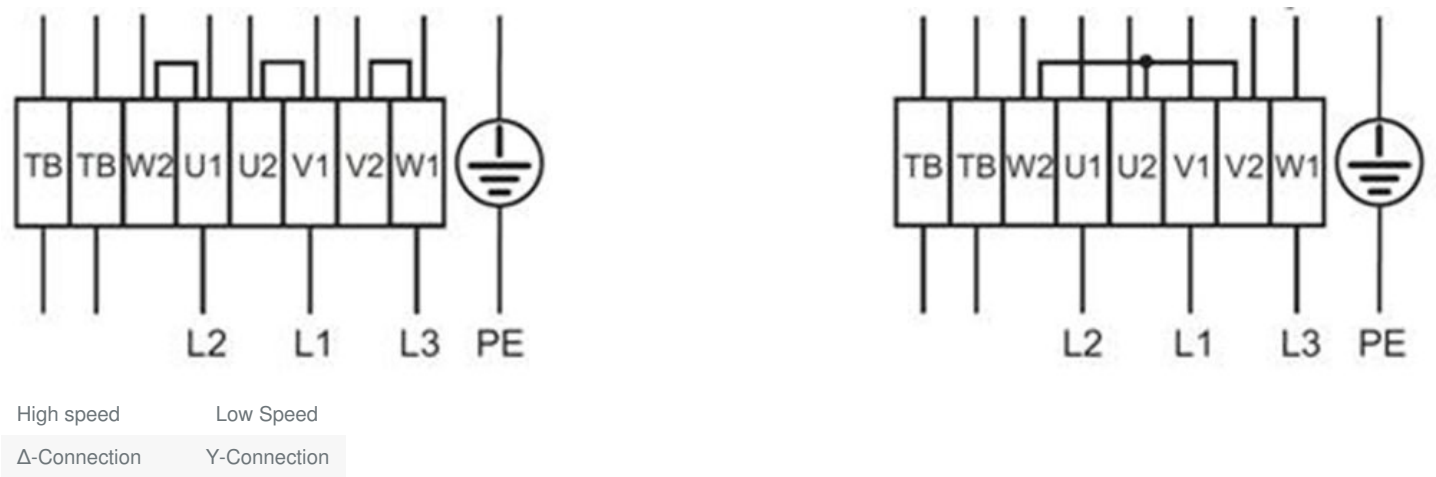
Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Inlet	dB(A)	47	51	51	54	58	58	54	44	63
Outlet	dB(A)	56	60	62	65	70	69	65	57	74

Dimension



	B	B1	øD1	B2	B3	□A	□L	øD4
AW 350DV sileo	72	105	417	12	80	435	485	9

Wiring



Ecodesign 327		
Manufacturer	Systemair GmbH, Seehöfer Str. 45, DE-97944 Boxberg, Amtsgericht (court of registration) Mannheim, HRB 560437	
Type	AW 350DV	
Year of manufacture	See name plate of the fan	
Air flow qv	2,250	m³/h
Efficiency category	static	
Efficiency grade N	40	
Efficiency grade target N	40	
Speed (rpm) n	1,375	r.p.m.
Pressure increase total psf	74	Pa
Power consumption Ped	160	W
Overall efficiency	28.6	%
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 mainenance 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)
- REV-5POL/07 ON/OFF (33980)
- RTRD 2 Speed Cont. Systemair (5941)
- RTRDU 2 Speed contr. Systemair (5945)
- S-DT2SKT Two speed switch Y/D (2697)

Documents

- IMO - 37410 - AW 350DV SILEO.PDF
- EU_DECLARATION_OF_CONFORMITY_AXIAL_FANS_EN_003.PDF
- installation variations_2_AR_AW.pdf

Specification

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 with airfoil made out of electroplated steel plate is coated black. The impeller is balanced dynamically 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, for example Systemair unit S-ET.