

## AW 350DV sileo Axial fan

Axial wall fan

Item number: [246890](#)

Variant: 400V 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.



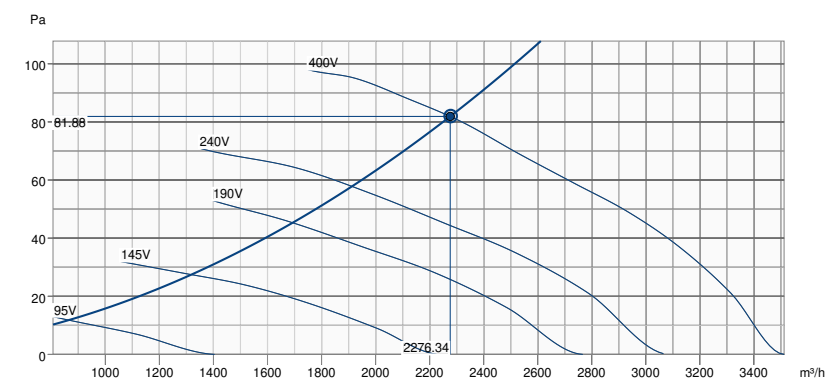
### Technical parameters

Nominal data		
Voltage (nominal)	400	V
Frequency	50	Hz
Phase(s)	3~	
Motor circuit connection	D	
Input power	190	W
Input current	0.4	A
Impeller speed	1,390	r.p.m.
Air flow	; 3,500; to ; 3,500;	m³/h
Specific ratio	1,000000	
Temperature of transported air	70 to 70	°C
Max temperature of transported air, when speed controlled	70	°C
Protection/Classification		
Enclosure class, motor	IP54	
Insulation class	F	

Data according to ErP		
ErP ready	ErP 2016	
Efficiency grade	40.3	$\eta_{\text{actual}}$
Efficiency, static	29.3	$\eta_{\text{statA}}$
Target efficiency grade ErP2013	36	$\eta_{\text{target2013}}$
Target efficiency grade ErP2015	40	$\eta_{\text{target2015}}$
Dimensions and weights		
Weight	7.6	kg
Others		
Color name, casing	Black	
Motor type	AC	

Performance

Performance curve

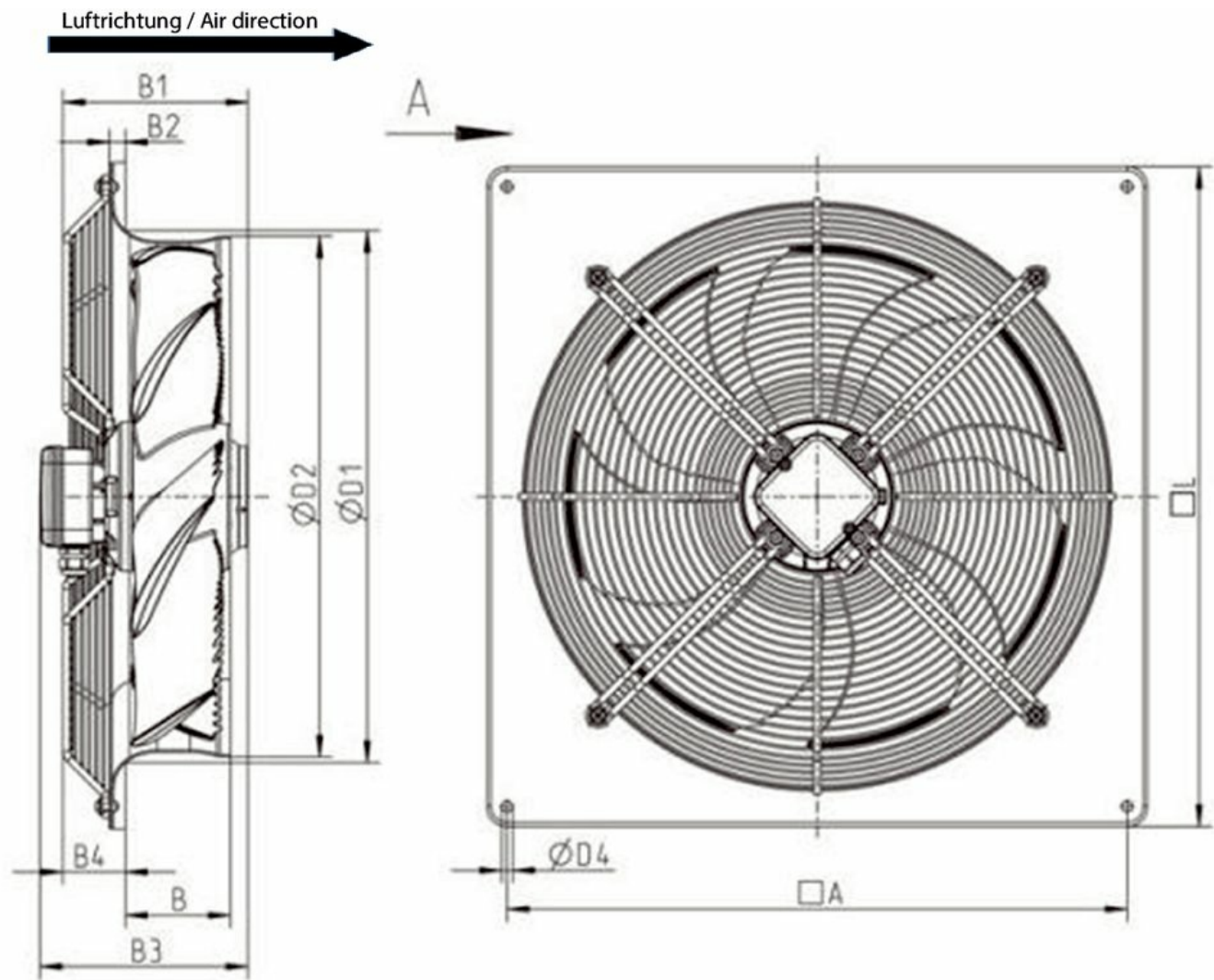


Hydraulic data	
Required air flow	2278 m³/h
Required static pressure	82 Pa
Working air flow	2276 m³/h
Working static pressure	82 Pa
Air density	1.204 kg/m³
Power	180.4 W
Fan control - RPM	1396 rpm
Current	0.39 A
SFP	0.285 kW/m³/s
Control voltage	400.0 V
Supply voltage	400 V

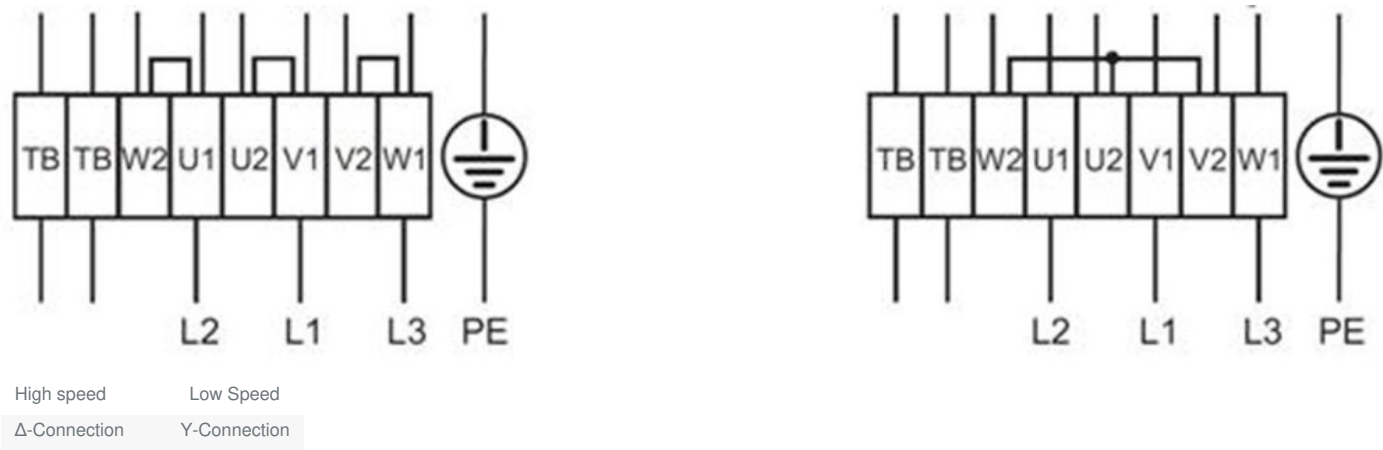
Sound power level		63	125	250	500	1k	2k	4k	8k	Total
Outlet	dB(A)	47	52	55	62	64	65	60	52	70

Dimension

	□A	B	B1	B2	B3	B4	ØD1	ØD2	ØD4	□L
AW 355	435	68	117,5	12	182	22	388	355	9	485



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	2,319	m³/h
Efficiency category	static	
Efficiency grade N	40	
Efficiency grade target N	40	
Speed (rpm) n	1,396	r.p.m.
Pressure increase total psf	80	Pa
Power consumption Ped	180	W
Overall efficiency	29.3	%
Overall efficiency target	29.3	%
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)
- GFL-AR/AXC 355 counter flange (8377)
- RTRD 2 Speed Cont. Systemair (5941)
- S-DT 16 Motor Protection (161206)
- S-DT2SKT Two speed switch Y/D (2697)
- EV-AR/AXC 355 flex.conn. 70°C (8353)
- MFA-AXC/AM 355 mounting foot (311284)
- RTRDU 2 Speed contr. Systemair (5945)
- S-DT 16E Motor Protection (161207)
- VK-35 Louvre shutter (87689)

## Documents

- L-BAL-001-SYSTEMAIR.PDF
- EU-Declaration\_of\_conformity\_en\_005
- installation variations\_1\_AR\_AW.pdf