

ZAP 450-41 PLATE AXIAL FAN

Item no. **8299**

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Description

The ZAP range of plate axial fans is based around the Ziehl-Abegg external rotor motor and an aerodynamically designed impeller to provide a very compact, efficient unit. Key features are:-

- Diecast aluminium blades with high efficiency aerofoil blade design
- Maintenance free, sealed-for-life bearings
- Insulation class 'F' and IP54 protection
- Operating range of -40°C to 60°C or 70°C
- TK thermal protection
- 100% speed controllable motor
- Pressed galvanised steel wall plate incorporating full bellmouth
- Corrosion resistant paint in pebble grey RAL7032
- Inlet guard
- IP54 terminal box

Fitted with motorside guard as standard.

All ZAP fans are suitable for reverse operating conditions with a reduction in performance



Technical parameters

Voltage	230	V
Frequency	50	Hz
Phase	1	~
Input power (P1)	360	W
Current	1.6	A
Max. airflow	1.71	m³/s
R.p.m.	1370	r.p.m.
Max. temperature of transported air	60	°C
Max. temperature of transported air when speed-controlled	60	°C
Sound pressure level at 3 m	57	dB
Weight	11.3	kg
Insulation class	F	
Enclosure class, motor	IP54	IP
Capacitor	6	µF

Accessories

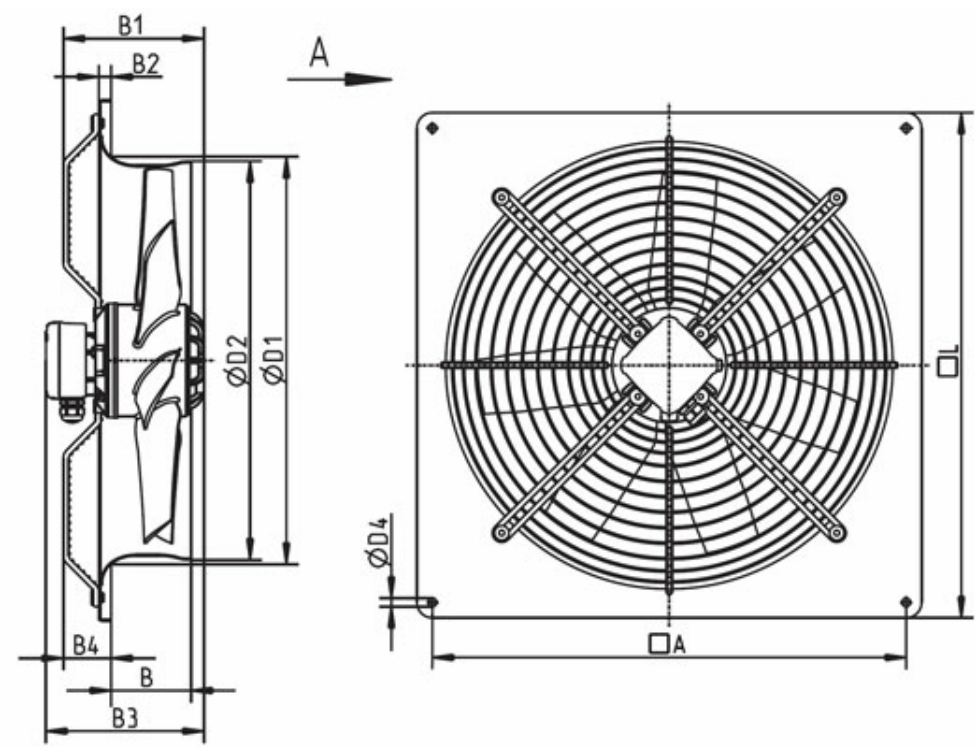
Electric accessories

- RTRE 3 Speed control (5009)
- REE 2 Speed control (5316)
- STL 3 Speed controller (84261)

Accessories

- VK-45 Louvre shutter (5645)
- RAV 400/450 Roof cowl (8467)
- RAW 400/450 Roof Cowl c/w BG (86511)

Dimensions



ZAP 450-41	B	B1	B2	B3	B4	D1	D2	D4	A	L
	96	126	14	186	28	480	463	11	535	575

Wiring

104XA

Luftförderrichtung: V
Direction of airflow: V
Drehrichtung: Rechtslauf
Direction of rotation: clockwise

1~Motor mit Kondensator und Thermostatschalter
(falls eingebaut).
1~Motor with capacitor and thermostatic switch
(if built in).
Moteur monophasé avec condensateur et interrupteur
thermostatique (si incorporé).

U1
U2
Z1
Z2
TB

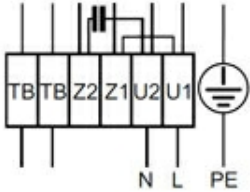
braun
blau
schwarz
orange
weiß

brown
blue
black
orange
white

brun
bleu
noir
orangé
blanc

104XA-02

Rechtslauf
Clockwise rotation
Rotation à droite



Anschlusschaltbild im Anschlusskasten aufbewahren.
Keep wiring diagram in terminal box.
Conserver le schéma de raccordement dans la boîte à bornes.

104XB

Luftförderrichtung: A
Direction of airflow: A
Drehrichtung: Linkslauf
Direction of rotation: counter clockwise

1~Motor mit Kondensator und Thermostatschalter
(falls eingebaut).
1~Motor with capacitor and thermostatic switch
(if built in).
Moteur monophasé avec condensateur et interrupteur
thermostatique (si incorporé).

U1
U2
Z1
Z2
TB

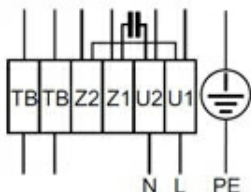
braun
blau
schwarz
orange
weiß

brown
blue
black
orange
white

brun
bleu
noir
orangé
blanc

104XB-02

Linkslauf
Counter Clockwise rotation
Rotation à gauche



Anschlusschaltbild im Anschlusskasten aufbewahren.
Keep wiring diagram in terminal box.
Conserver le schéma de raccordement dans la boîte à bornes.

Documentation

 [Operating Instruction axial fans L-BAL-001-GB\[1\].pdf](#) (117,64kB)

Acoustics

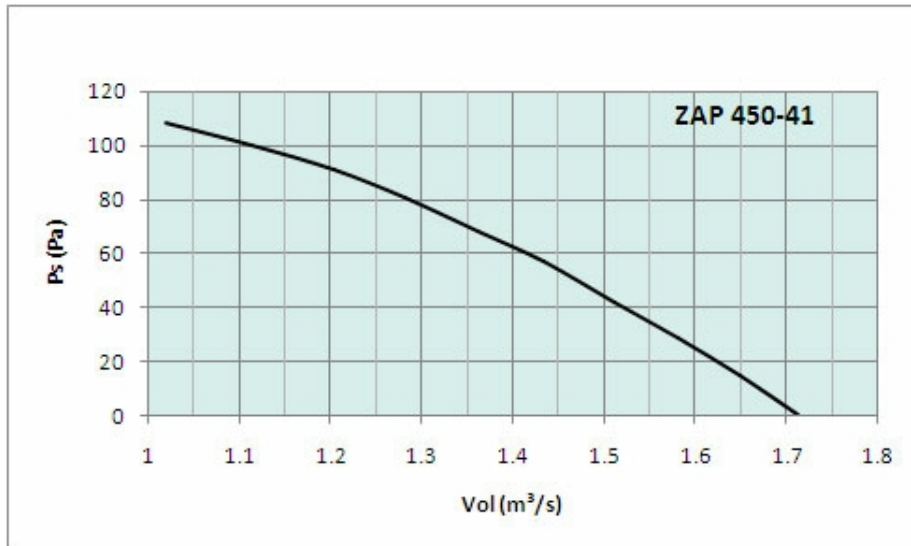
Frequency (Hz)	63	125	250	500	1000	2000	4000	8000	16000	dBW Total	dBA Total	dBA @ 3m
Sound Power (dBW)	69	77	73	72	70	71	68	62	56	81	77	57

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3 / 4

Diagram



Specification text