# DZL 50/84 B





#### Short description

Axial duct fan, DN 500, three-phase AC

### Application examples

Machine extraction unit, Workplace air extraction system, Workshop, Foreman's office, Production site

Article number 0086.0099

#### Technical data

Model	Stabiliser
Air flow volume	4.270 m³/h / 8.840 m³/h
Speed controllable	✓
Reversing capacity	-
Type of voltage	Alternating current
Rated voltage	400 V
Frequency	50 Hz
Degree of protection	IP 55
Insulation class	F
Pole-changeable	1
Installation position	vertical / horizontal
Material	Sheet steel, galvanised
Weight	22,9 kg
Weight including packaging	26,41 kg
Nominal size	500 mm
Width with packaging	635 mm
Height with packaging	410 mm
Depth with packaging	645 mm
Airstream temperature at nominal current	0°C
Airstream temperature at I <sub>Max</sub>	-20 °C up to 60 °C
Packing unit	1 piece
Range	С
GTIN (EAN)	4012799860990

#### Technical data according to ErP in Best Efficiency Point (BEP)

Total efficiency η	45,8 %
Measurement category	D
Efficiency category	total





Efficiency level N	53,1			
VSD necessary	No			
Year of manufacture	see rating plate			
Manufacturer's name / official registration number / manufacturer's	Maico Elektroapparate-Fabrik GmbH / Freiburg registration			
place of establishment	court, HRB 601233 / Villingen-Schwenningen			
Art. No.	0086.0099			
P <sub>BEP</sub> / Air volume <sub>BEP</sub> / P <sub>fs, BEP</sub>	0,135 kW / 0,69 kW / 2.950 m³/h / 6.110 m³/h / 45 Pa / 186 Pa			
n <sub>BEP</sub>	730 1/min / 1.460 1/min			
Specific ratio	≈1			
Information about dismantling and disposal	see mounting instructions			
Information about installation, operation and repairs	see mounting instructions			
Objects used to measure efficiency which are not described by the	-			
measurement category				
I <sub>BEP</sub>	0,55 A / 1,5 A			
Sound power levelL <sub>WA5</sub>	67 dB(A) / 83 dB(A)			

## Sound power level in octave range

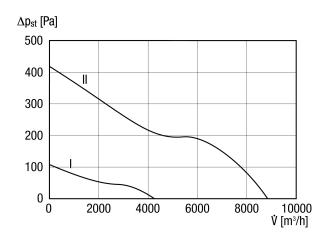
	63 Hz	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	Total
L <sub>WA2</sub> , S4	32	48	49	50	50	48	41	32	56
(dB(A))									
L <sub>WA</sub> , S5	42	53	65	69	70	67	62	51	75
(dB(A))									
L <sub>WA</sub> , S4	30	49	60	59	58	56	49	37	65
(dB(A))									
L <sub>WA</sub> , S5	40	57	76	79	79	76	71	61	84
(dB(A))									
L <sub>WA</sub> , S4	46	56	63	66	68	68	69	66	75
(dB(A))									
L <sub>WA</sub> , S5	62	69	78	86	86	85	83	80	92
(dB(A))									

 $L_{WA2}$ = housing sound power level in dB.

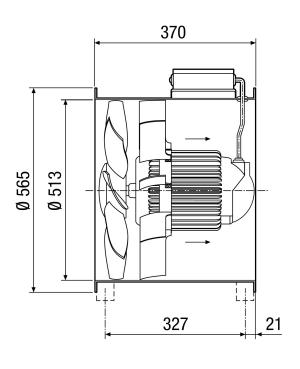
# DZL 50/84 B

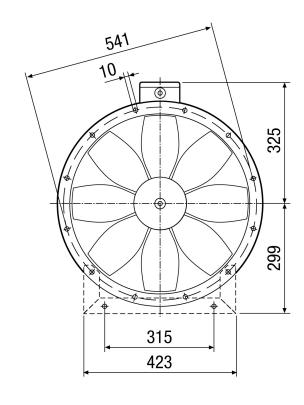


### Characteristic curve



### Dimensioned drawing [mm]





Number of flange holes: 12