

FE2owlet

for single phase alternating current, 4 pole

FN035-4E



Description

Motor technology: AC

Rated voltage U_N : 1 ~ 230 V*

Rated frequency f_N : **50 Hz*** (60Hz data available)

Motor input power P_1 : **0.13 kW***

Rated current I_N : **0.56 A***

Rated speed n_N : **1070 min⁻¹***

Starting current $I_A: 0.70 \text{ A}$

Current increase ΔI : 0 %

Service capacitor C_{400V} : $5.0 \mu F$

Thermal class: **THCL155***

Min. permitted conveyor temperature $t_{R(min)}$: -40 °C

Max. permitted conveyor temperature $t_{R(max)}$: 60 °C

Electrical connection: Supply cable variable 45 cm

Number of blades: 7

Motor protection: Thermal contact

Blades: High Performance Composite Material, uncoated, black

Rotor: Aluminium, 1 coat paint, Ultramarine blue

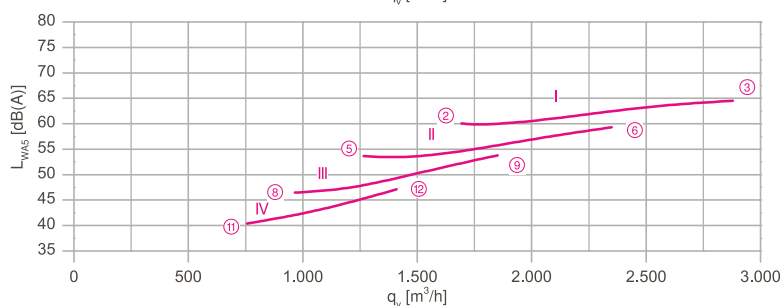
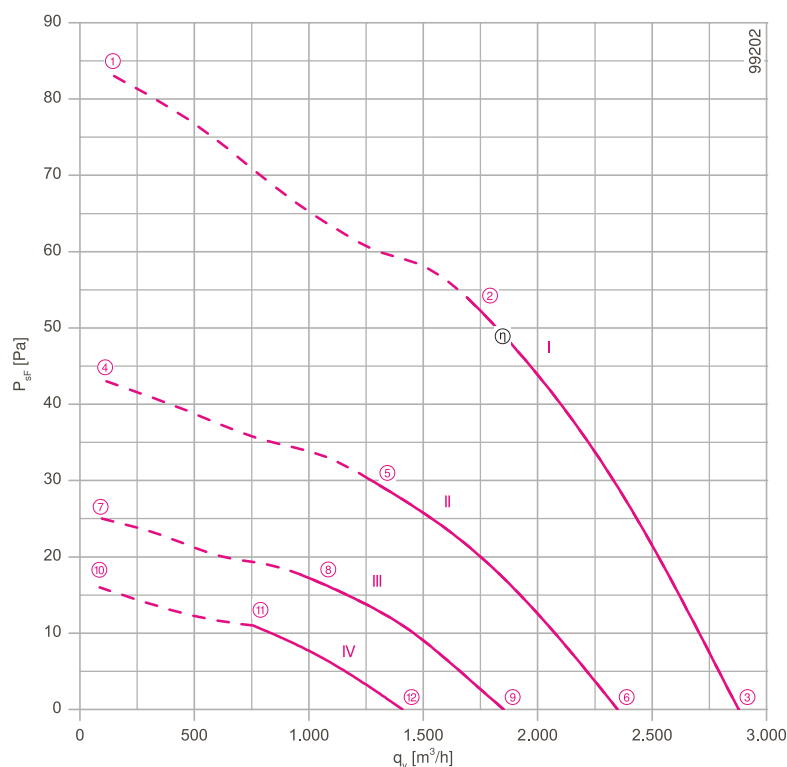
Conformity: CE

ErP Data

Is not subject to the ErP Guidelines ($P_1 < 125 \text{ W}$)

* Rated data

Characteristic curve



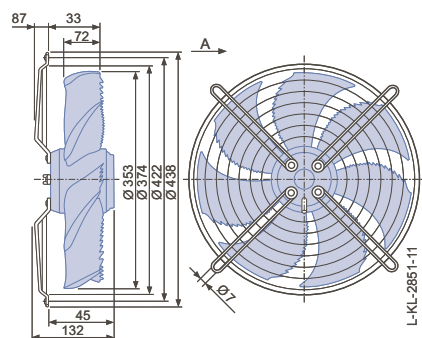
Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

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|----------------------|-----------|----------|
| ➤ Connection diagram | 1360-177X | Page 609 |
| ➤ System components | | Page 524 |

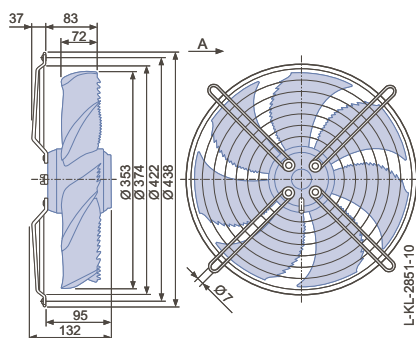
Dimensions [mm]

Airflow direction A

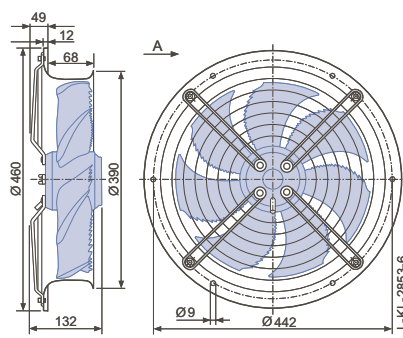
Design W - axial bolted, mounting for short bell mouth E



Design D - axial bolted, suspension for full bell mouth Q and L



Design L - round, full bell mouth



Performance data

Type	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
		U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WA5} [dB]
FN035-4E_WD_7	I	230	①	0.60	140	910	
		230*	②	0.56*	130*	1070*	60
		230	③	0.50	110	1220	65
	II	170	④	0.48	80	660	
		170	⑤	0.46	80	810	54
		170	⑥	0.44	70	1000	59
	III	135	⑦	0.39	55	510	
		135	⑧	0.38	50	620	47
		135	⑨	0.37	50	780	54
	IV	110	⑩	0.32	36	400	
		110	⑪	0.32	36	490	40
		110	⑫	0.32	34	610	47

*rated data

Fan ordering information

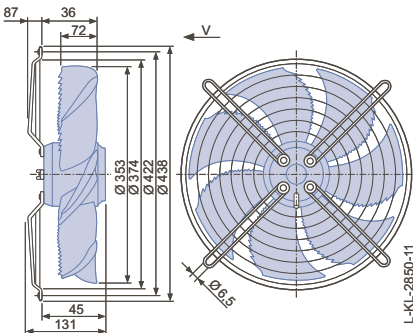
Airflow direction A				Airflow direction V		
Design	W	D	L	K	H	I
						
Type	FN035-4EW.WD.A7	FN035-4ED.WD.A7	FN035-4EL.WD.A7	FN035-4EK.WD.V7	FN035-4EH.WD.V7	FN035-4EI.WD.V7
Article no.	162549	162547	162548	162545	162544	162543
Weight [kg]	4.90	4.50	6.50	4.90	6.50	4.50

Control technology

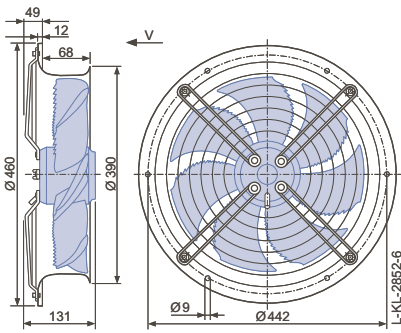
Frequency inverter Fcontrol 1~  Page 552	Motor protection units 1~  Page 596	Transformer-based controllers 1~  Page 587	Electronic voltage controllers 1~  Page 562
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Airflow direction V

Design K - axial bolted, mounted for short bell mouth E



Design H - pipe sockets with a flange



Design I - axial bolted, mounting for bell mouth flange for pipe socket H or full bell mouth Q or L

