

FE2owlet

for three phase alternating current, 4-4 pole

FN035-VD



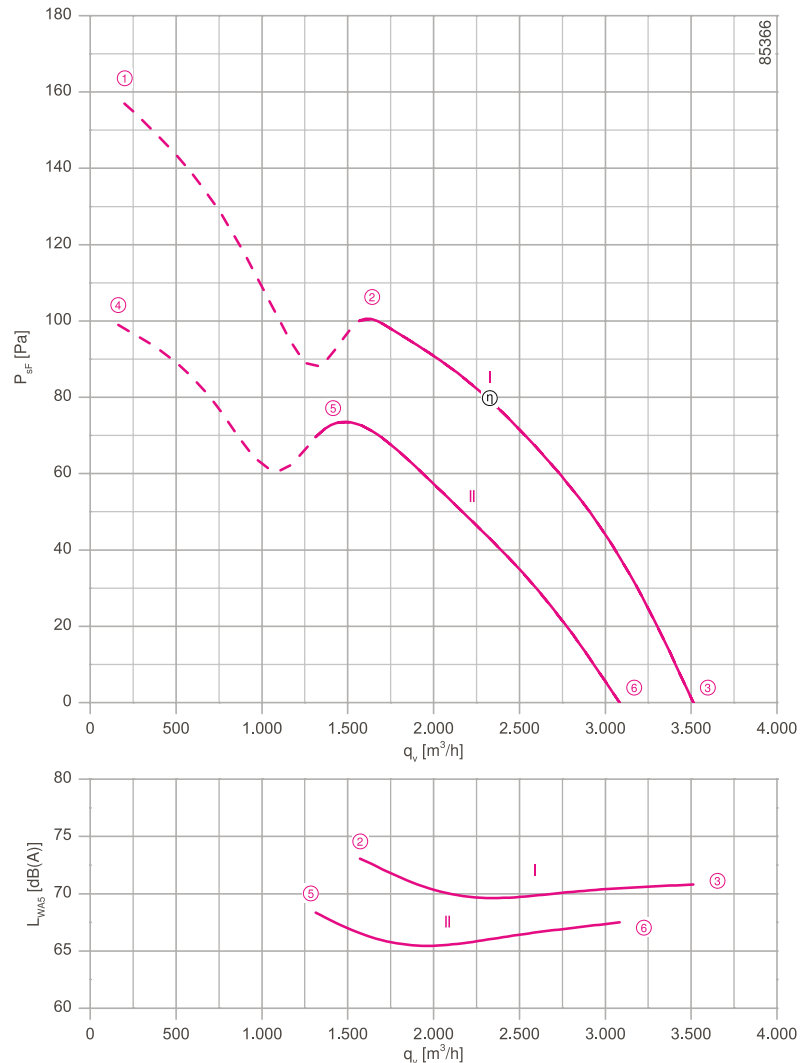
Description

Motor technology: AC
Rated voltage U_N : 3~ 400 V (Δ/Y) ± 10 %*
Rated frequency f_N : 50 Hz* (60Hz data available)
Motor input power P_1 : 0.19/0.14 kW*
Rated current I_N : 0.40/0.23 A*
Rated speed n_N : 1390/1170 min⁻¹*
Starting current I_A : 1.60 A / 0.55 A
Current increase ΔI : 0 %
Thermal class: THCL155*
Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
Max. permitted conveyor temperature $t_{R(max)}$: 70 °C
Electrical connection: Terminal box
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: High Performance Composite Material, uncoated, black
Rotor: Aluminium, 1 coat paint, black
Conformity: ErP 2015, CE
ErP Data
Efficiency η_{statA} : 29.3 %
Efficiency: $N_{actual} = 40.3 / N_{target} = 40$ **
* Rated data
**ErP 2015

➤ Connection diagrams Page 608
for airflow direction V 1360-108XA
for airflow direction A 1360-108XB

➤ System components Page 524

Characteristic curve

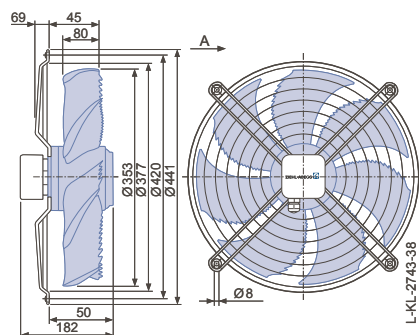


Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

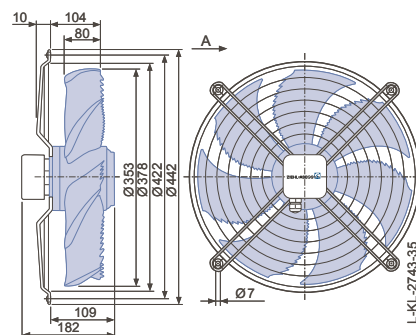
Dimensions [mm]

Airflow direction A

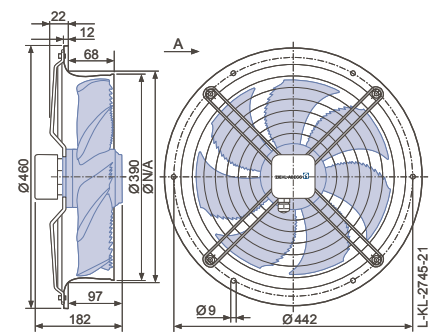
Design W - axial bolted, mounting for short bell mouth E



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



Design L - round, full bell mouth



Performance data

Type	Connection	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-VD_0F_7P2	Δ	I	400	①	0.44	230	1360	
			400*	②	0.40*	190*	1390*	73
			400	③	0.37	150	1420	71
	Y	II	400	④	0.27	170	1080	
			400*	⑤	0.23*	140*	1170*	68
			400	⑥	0.19	120	1240	68

*rated data

Fan ordering information

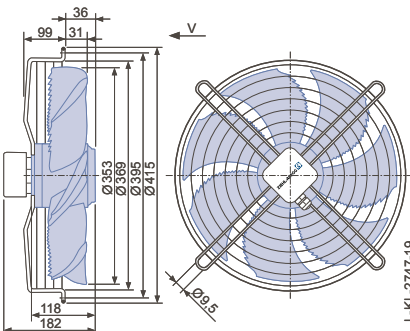
Airflow direction A				Airflow direction V		
Design	W	D	L	K	H	I
						
Type	FN035-VDW.0F.A7P2	FN035-VDD.0F.A7P2	FN035-VDL.0F.A7P2	FN035-VDK.0F.V7P2	FN035-VDH.0F.V7P2	FN035-VDI.0F.V7P2
Article no.	155888	155886	155887	155892	155891	155890
Weight [kg]	5.10	4.80	6.80	5.30	6.80	4.70

Control technology

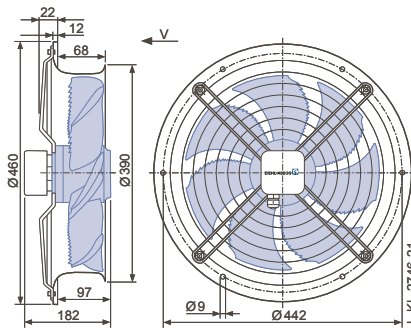
Frequency inverter Fcontrol 3~  ➤ Page 558	Motor protection units 3~  ➤ Page 596	Transformer-based controllers 3~  ➤ Page 591	Electronic voltage controllers 3~  ➤ Page 578
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Airflow direction V

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

