

# FE2owlet

for three phase alternating current, 4-4 pole

FNO35-VD



## Description

Motor technology: AC  
 Rated voltage  $U_N$ : 3~ 400 V ( $\Delta/Y$ )  $\pm 10$  %\*  
 Rated frequency  $f_N$ : 50 Hz\* (60Hz data available)  
 Input power  $P_i$ : 190/140 W\*  
 Rated current  $I_N$ : 0.40/0.23 A\*  
 Rated speed  $n_N$ : 1390/1170  $\text{min}^{-1}$ \*  
 Starting current  $I_s$ : 1.60 / 0.55 A  
 Current increase  $\Delta I$ : 0 %  
 Thermal class: THCL155\*  
 Min. permitted ambient temperature  $t_{R(\text{min})}$ : -40 °C\*\*\*  
 Max. permitted ambient temperature  $t_{R(\text{max})}$ : 70 °C  
 Electrical connection: Terminal box  
 Number of blades: 7  
 Protection class: IP54  
 Motor protection: thermal contact  
 Blades: High Performance Composite Material, uncoated,  
 Rotor: Aluminium, 1 coat paint, jet black  
 Conformity: ErP 2015, CE

## ErP-data

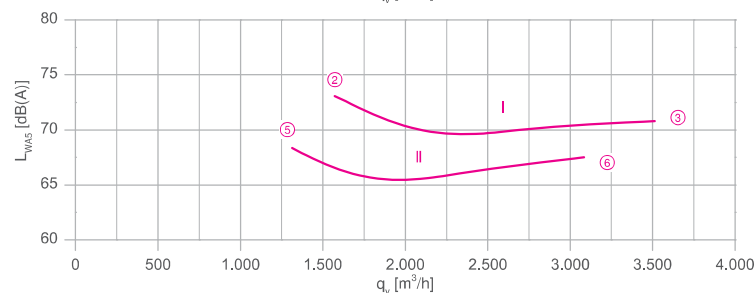
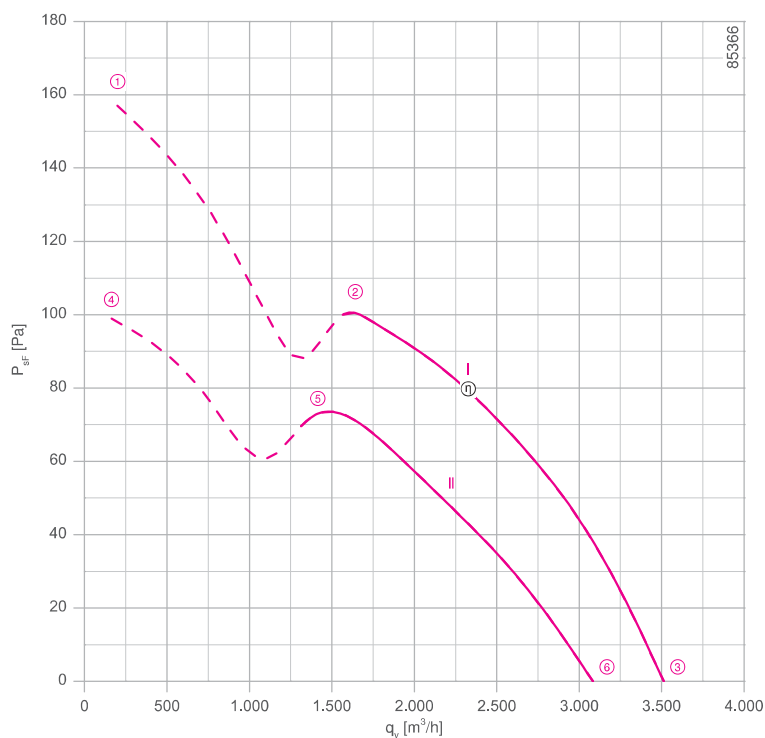
Efficiency  $\eta_{\text{statA}}$ : 29.3 %  
 Efficiency:  $\eta_{\text{actual}} = 40.3 / N_{\text{target}} = 40$ \*\*  
 \* Rated data  
 \*\*ErP 2015

\*\*\* Continuous operation with occasional starts (S1) according to DIN EN 60034-1:2011-02. Occasional starting between -40 °C and -25 °C is permissible. Continuous operation below -25 °C only with special bearings for refrigeration applications on request.

Connection diagram Page 531  
 for airflow direction A 1360-108XB  
 for airflow direction V 1360-108XA

System components Page 430

## Characteristic curve

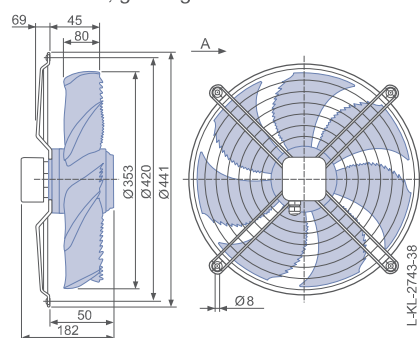


Measured in full bell mouth without guard grille in installation type A according to ISO 5801

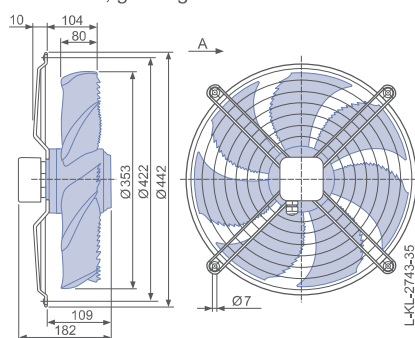
## Dimensions mm

### Airflow direction A

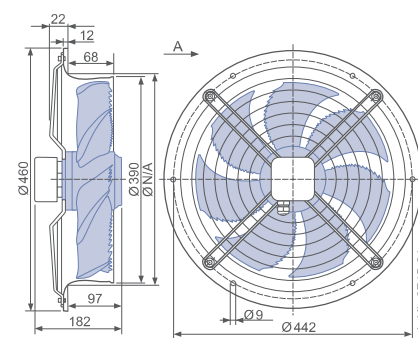
Design W - axial bolted, mounting for short bell mouth, guard grille suction side



Design D - axial bolted, suspension for full bell mouth, guard grille suction side



Design L - round full bell mouth, guard grille suction side



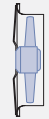





Performance data

Type	Connection	Characteristic curve	Voltage	Operating point	Current	Input power	Speed	Suction side sound power level L <sub>WA5</sub> dB(A)
			U V					
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

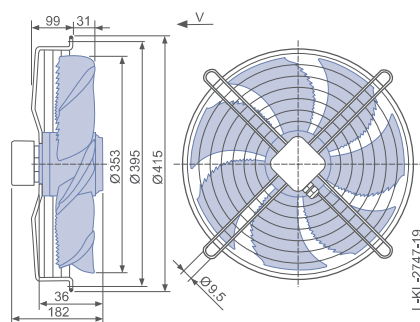
	Airflow direction A		Airflow direction V			
Design	W (guard grille suction side)	D (guard grille suction side)	L (guard grille suction side)	K (guard grille pressure side)	I (guard grille pressure side)	H (guard grille pressure side)
						
<b>Type</b> <b>Article no.</b>	<b>FN035-VDW.0F.A7P2</b> <b>155888</b>	<b>FN035-VDD.0F.A7P2</b> <b>155886</b>	<b>FN035-VDL.0F.A7P2</b> <b>155887</b>	<b>FN035-VDK.0F.V7P2</b> <b>155892</b>	<b>FN035-VDI.0F.V7P2</b> <b>155890</b>	<b>FN035-VDH.0F.V7P2</b> <b>155891</b>
Weight kg	5.10	4.80	6.80	5.30	4.70	6.80

Control technology

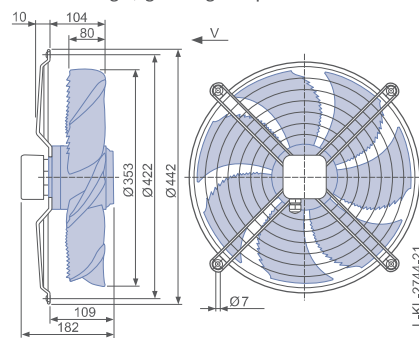
Frequency inverters Fcontrol 3~  Page 480	Motor protection units 3~  Page 518	Electronic voltage controllers 3~  Page 506
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Airflow direction V

Design K - axial bolted, mounted for short bell mouth, guard grille pressure side



Design I - axial bolted, mounting for bell mouth flange, guard grille pressure side



Design H - pipe sockets with a flange, guard grille pressure side

