

FE2owlet

for single phase alternating current, 6 pole

FN063-6E



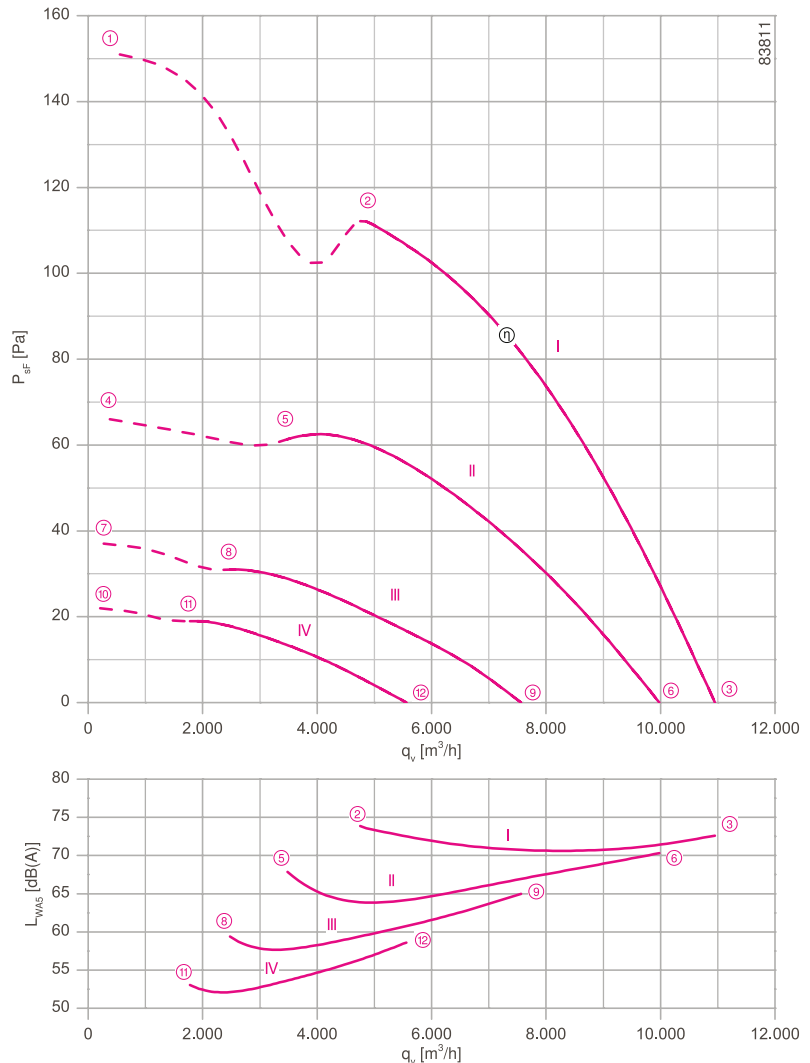
Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V*
 Rated frequency f_N : 50 Hz*
 Motor input power P_1 : 0.68 kW*
 Rated current I_N : 3.10 A*
 Rated speed n_N : 870 min⁻¹*
 Starting current I_s : 5.50 A
 Current increase ΔI : 5 %
 Service capacitor C_{400V} : 12.0 μ F
 Thermal class: **THCL155***
 Min. permitted conveyor temperature $t_{R(min)}$: -25 °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: Aluminium, uncoated
 Rotor: Aluminium, uncoated
 Conformity: ErP 2013, CE
ErP Data
 Efficiency η_{statA} : 28.5 %
 Efficiency: $N_{actual} = 36.1 / N_{target} = 36$ **
 * Rated data
 **ErP 2013

➤ Connection diagrams Page 608
 for airflow direction V 1360-104XA
 for airflow direction A 1360-104XB

➤ System components Page 524

Characteristic curve

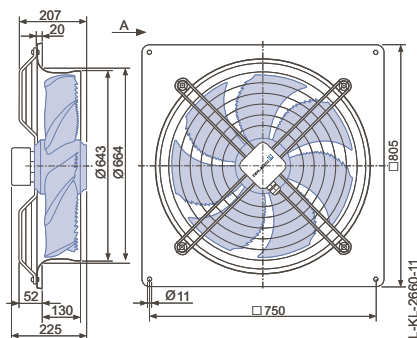


Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

Dimensions [mm]

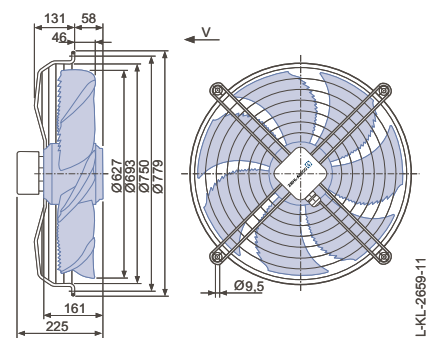
Airflow direction A

Design Q - square, full bell mouth



Airflow direction V

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



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]	
FN063-6E_.4I_.7P1	I	230	①	3.70	820	780	74
		230*	②	3.10*	680*	870*	
		230	③	2.30	500	930	
	II	170	④	3.40	520	510	73
		170	⑤	3.20	500	650	
		170	⑥	2.40	390	840	
	III	135	⑦	2.80	340	370	68
		135	⑧	2.80	330	450	
		135	⑨	2.50	310	640	
	IV	110	⑩	2.30	230	290	59
		110	⑪	2.30	220	340	
		110	⑫	2.20	220	470	

*rated data

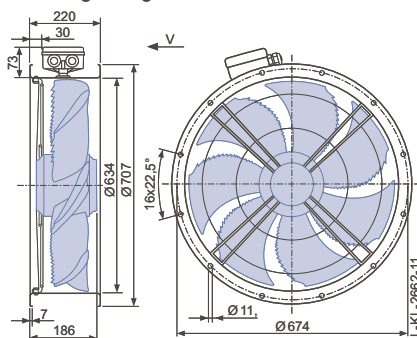
Fan ordering information

Airflow direction A		Airflow direction V			
Design	Q	K	F (without contact protection)	F (with contact protection)	Q
Type	FN063-6EQ.4I.A7P1	FN063-6EK.4I.V7P1	FN063-6EF.4I.V7P1	FN063-6EF.4I.V7P1	FN063-6EQ.4I.V7P1
Article no.	141723	141725	141727	141728	141726
Weight [kg]	24.50	15.40	19.90	20.80	23.90

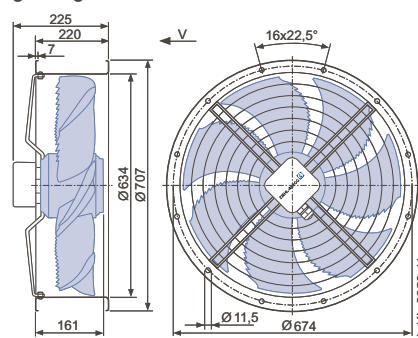
Control technology

<p>Frequency inverter Fcontrol 1~</p> <p>▶ Page 552</p>	<p>Motor protection units 1~</p> <p>▶ Page 596</p>	<p>Transformer-based controllers 1~</p> <p>▶ Page 587</p>	<p>Electronic voltage controllers 1~</p> <p>▶ Page 562</p>
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Design F - flange ring with two flanges without guard grille



Design F - flange ring with two flanges and guard grille



Design Q - square, full bell mouth

