



Description

Motor technology: AC

Rated voltage U_N : 3~ 400 V (Δ/Y) ± 10 %*

Rated frequency f_N : 50 Hz*

Motor input power P_1 : 2.80/1.75 kW*

Rated current I_N : 5.00/2.90 A*

Rated speed n_N : 1320/1010 min⁻¹*

Starting current I_A : 16.00 A / 5.50 A

Current increase ΔI : 0 %

Thermal class: THCL155*

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

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

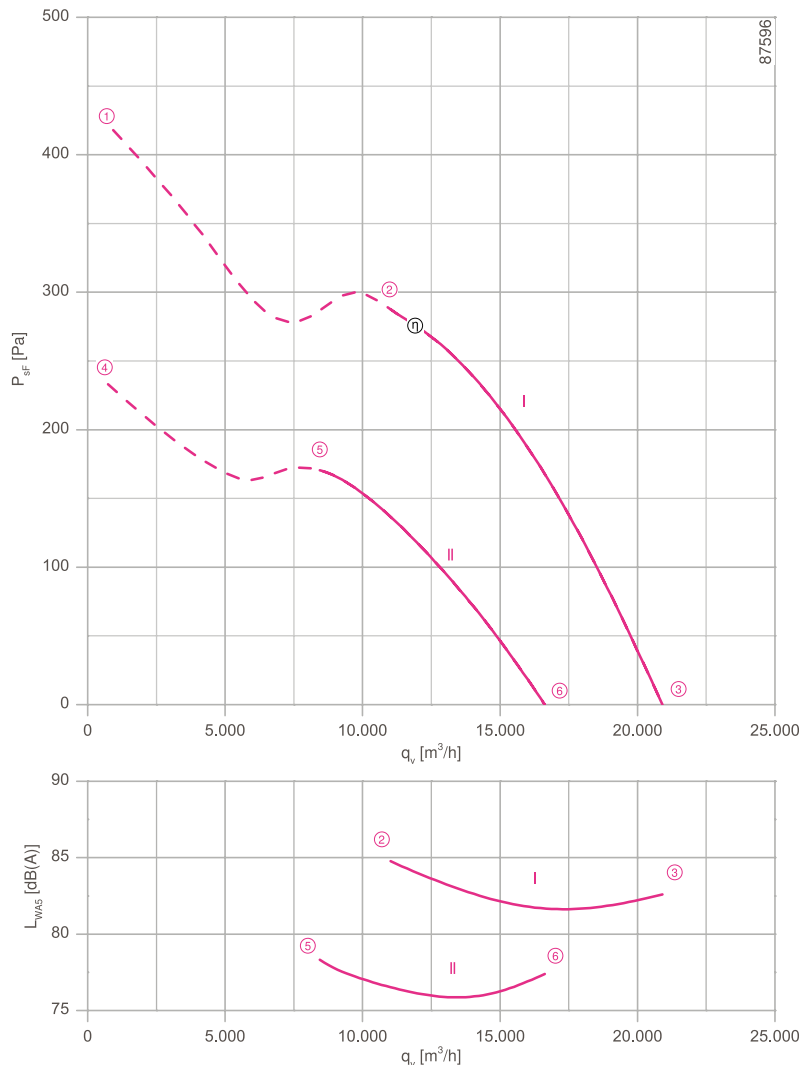
Efficiency η_{statA} : 34.4 %

Efficiency: $N_{actual} = 38.0 / N_{target} = 36$ **

* Rated data

**ErP 2013

Characteristic curve



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

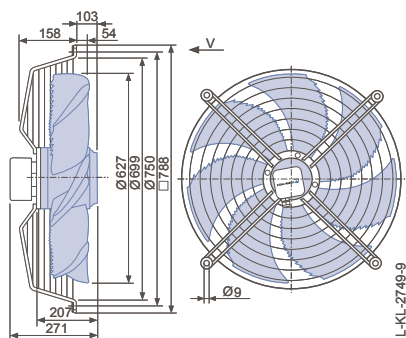
Connection diagram 1360-108XA Page 608

System components Page 524

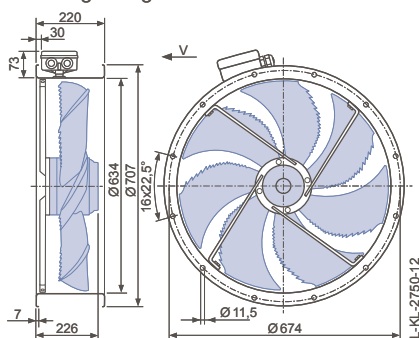
Dimensions [mm]

Airflow direction V

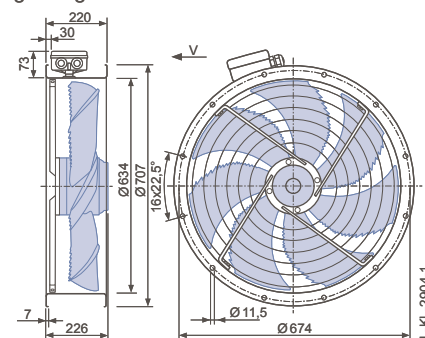
Design K - axial bolted, mounted for short bell mouth E



Design F - flange ring with two flanges without guard grille



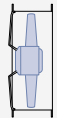
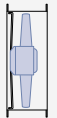
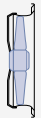
Design F - flange ring with two flanges and guard grille



		curve	U [V]	point	I [A]	power P ₁ [W]	n [min ⁻¹]	sound power level L _{WA5} [dB]
FN063-VD_6N_7P4	Δ	I	400	①	5.60	3100	1280	
			400*	②	5.00*	2800*	1320*	85
			400	③	4.60	2400	1350	83
	Y	II	400	④	3.20	1900	950	
			400*	⑤	2.90*	1750*	1010*	78
			400	⑥	2.70	1600	1070	77

*rated data

Fan ordering information

Airflow direction V				
Design	K	F (without contact protection)	F (with contact protection)	Q
				
Type	FN063-VDK.6N.V7P4	FN063-VDF.6N.V7P4	FN063-VDF.6N.V7P4	FN063-VDQ.6N.V7P4
Article no.	156355	156358	156359	156356
Weight [kg]	31.50	35.80	36.60	41.60

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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Design Q - square, full bell mouth

