



Description

Motor technology: AC

Rated voltage U_N : 3~ 230/400 V (Δ/Y) ± 10 %*

Rated frequency f_N : 50 Hz*

Motor input power P_i : 5.50 kW*

Rated current I_N : 18.00/10.50 A*

Rated speed n_N : 935 min⁻¹*

Starting current I_A : 120.00 A / 67.00 A

Current increase ΔI : - %

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, 1 coat paint, black

Rotor: Aluminium, 1 coat paint, black

Conformity: ErP 2015, CE

ErP Data

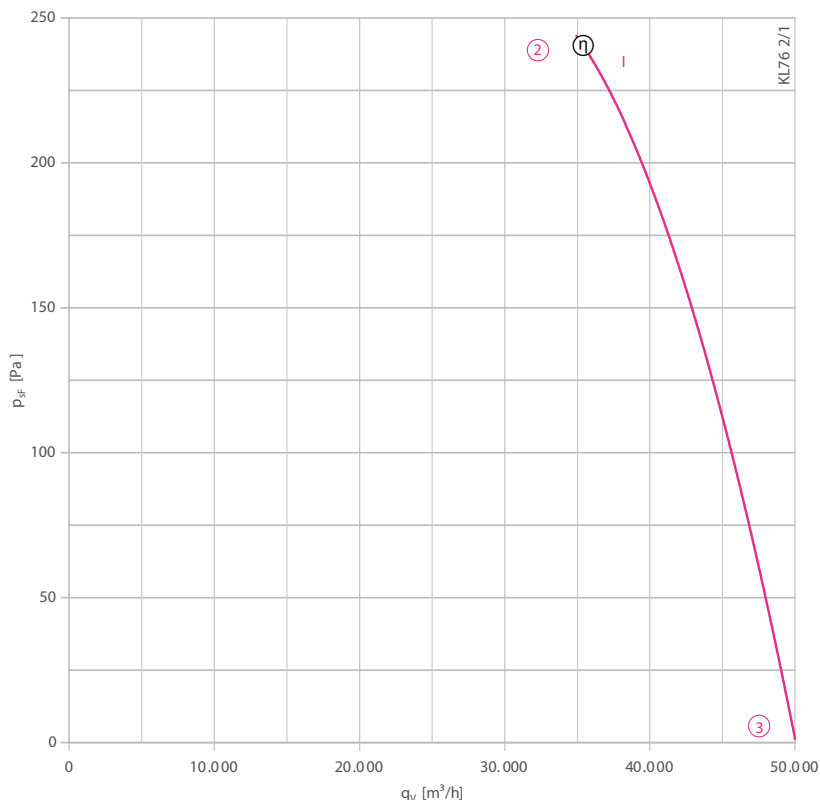
Efficiency η_{statA} : 38.5 %

Efficiency: $N_{actual} = 40.2 / N_{target} = 40$ **

* Rated data

**ErP 2015

Characteristic curve



Measured in full bell mouth without guard grille in installation type A according to ISO 5801.
Fan not speed controllable

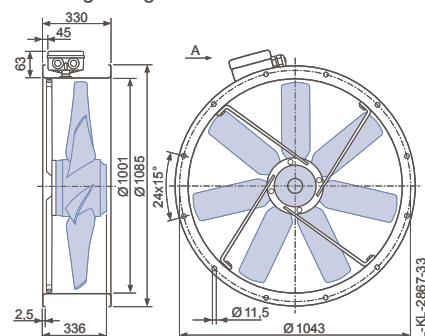
➤ Connection diagram 1360-106XB Page 608

➤ System components Page 524

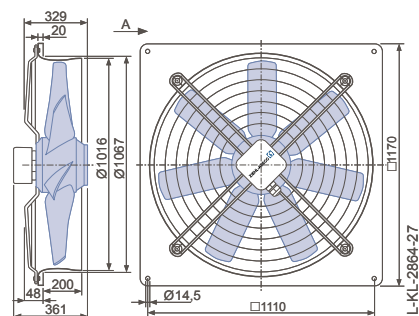
Dimensions [mm]

Airflow direction A

Design F - flange ring with two flanges without guard grille



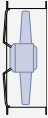
Design Q - square, full bell mouth



	curve	U [V]		I [A]	power P ₁ [W]	n [min ⁻¹]	sound power level L _{WAS} [dB]
FC100-6D_.8P.A7	I	400*	②	10.50*	5500*	935*	98
		400	③	9.50	5000	945	98

*rated data

Fan ordering information

Airflow direction A		
Design	F (without guard grille) Q	
		
Type	FC100-6DF.8P.A7	FC100-6DQ.8P.A7
Article no.	125050	125014
Weight [kg]	99.30	93.80

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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