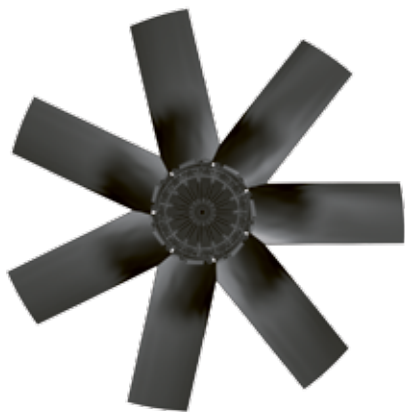




Description

Motor technology: AC

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

Rated frequency f_N : 50 Hz*

Motor input power P_1 : 0.64/0.34 kW*

Rated current I_N : 1.45/0.72 A*

Rated speed n_N : 410/290 min⁻¹*

Starting current I_A : 3.00 A / 0.95 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: Aluminium, 1 coat paint, black

Rotor: Aluminium, 1 coat paint, black

Conformity: ErP 2015, CE

ErP Data

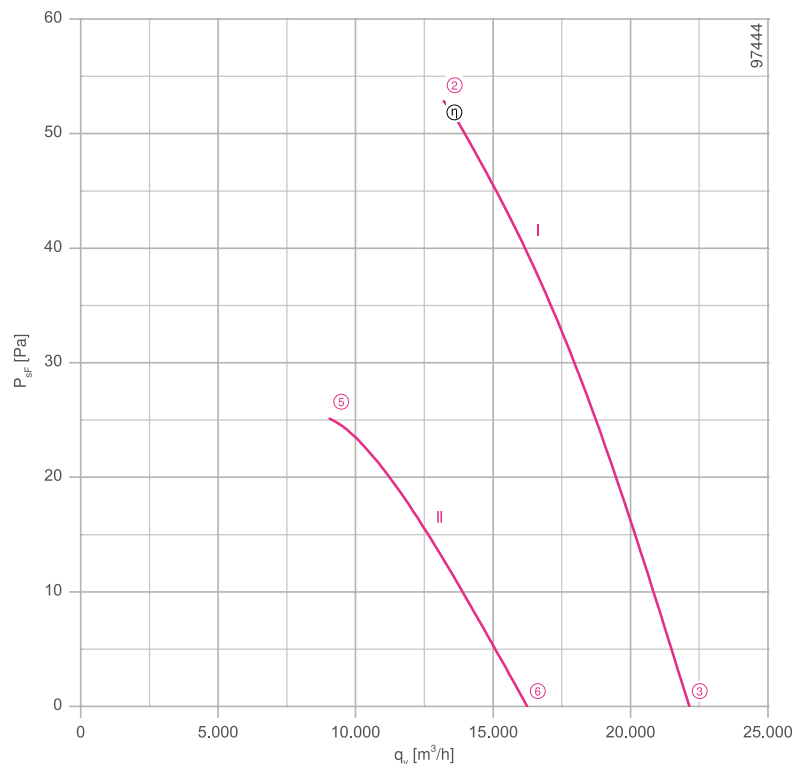
Efficiency η_{statA} : 34.2 %

Efficiency: $N_{actual} = 41.9 / N_{target} = 40$ **

* Rated data

**ErP 2015

Characteristic curve



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

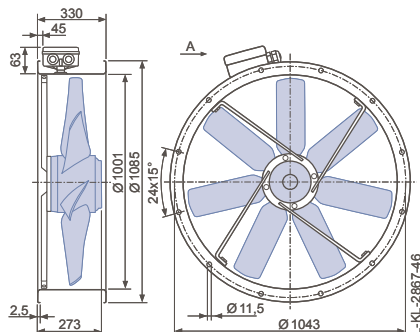
Connection diagram 1360-108XA Page 608

System components Page 524

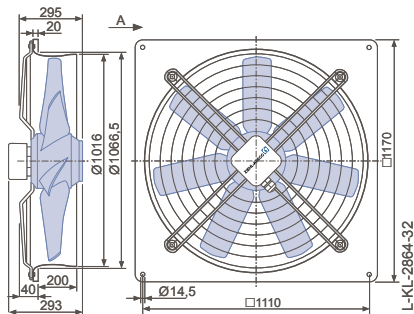
Dimensions [mm]

Airflow direction A

Design F - flange ring with two flanges without guard grille



Design Q - square, full bell mouth



		curve	U [V]	point	I [A]	power P ₁ [W]	n [min ⁻¹]	sound power level L _{WA5} [dB]
FC100-ND_7M_7	Δ	I	400*	②	1.45*	640*	410*	75
			400	③	1.30	540	430	73
	Y	II	400*	⑤	0.72*	340*	290*	64
			400	⑥	0.68	320	310	65

*rated data

Fan ordering information

Airflow direction A			Airflow direction V	
Design	F (without guard grille) Q		Q	
Type	FC100-NDF.7M.A7	FC100-NDQ.7M.A7	FC100-NDQ.7M.V7	
Article no.	160106	160105	160108	
Weight [kg]	67.60	69.10	67.90	

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 Q - square, full bell mouth

