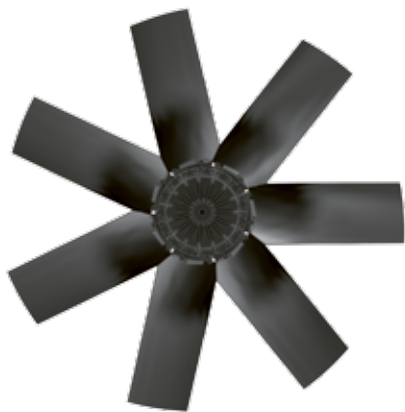


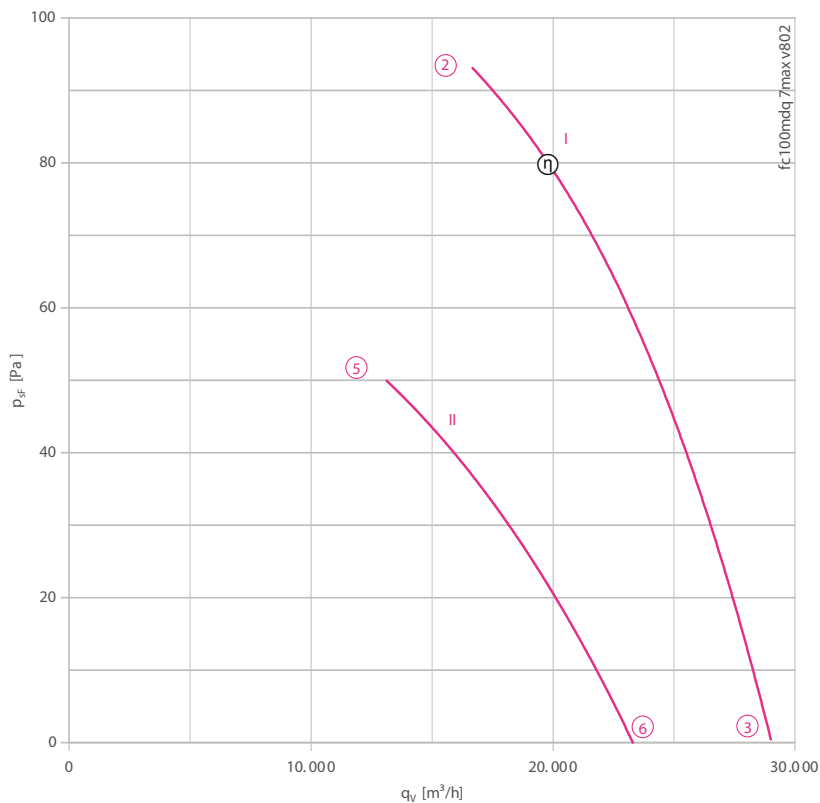


Description

Motor technology: AC
 Rated voltage U_N : 3~ 400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz*
 Motor input power P_1 : 1.25/0.81 kW*
 Rated current I_N : 2.70/1.55 A*
 Rated speed n_N : 530/ 390 min⁻¹*
 Starting current I_A : 8.00 A / 2.20 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 2013, CE

ErP Data
 Efficiency η_{statA} : 32.0 %
 Efficiency: $\eta_{actual} = 37.8 / N_{target} = 36$ **
 * Rated data
 **ErP 2013

Characteristic curve



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

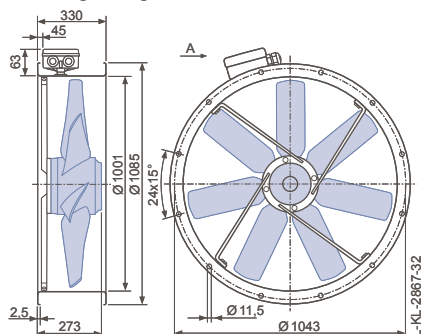
➤ Connection diagrams Page 608
 for airflow direction V 1360-108XA
 for airflow direction A 1360-108XB

➤ System components Page 524

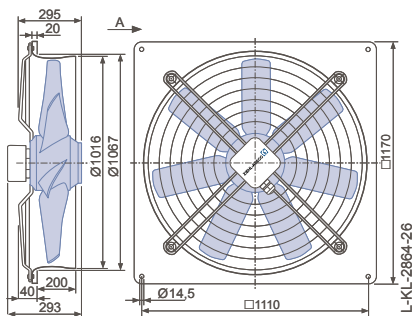
Dimensions [mm]

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-MD_7M_7	Δ	I	400*	②	2.70*	1250*	530*	80
			400	③	2.50	1100	550	81
	Y	II	400*	⑤	1.55*	810*	390*	73
			400	⑥	1.40	710	440	76

*rated data

Fan ordering information

Airflow direction A			Airflow direction V	
Design	F (without guard grille) Q		Q	
Type	FC100-MDF.7M.A7	FC100-MDQ.7M.A7	FC100-MDQ.7M.V7	
Article no.	132540	132539	123993	
Weight [kg]	69.10	67.60	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

