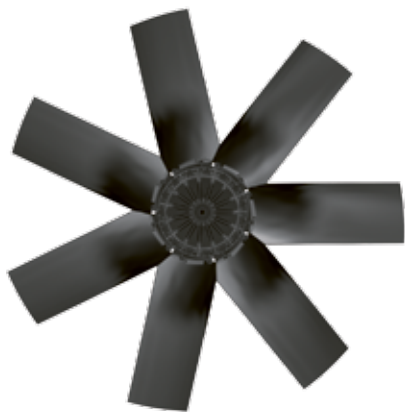




Description

Motor technology: AC
 Rated voltage U_N : 3~ 400 V (Δ/Y) $\pm 10\%$ *
 Rated frequency f_N : 50 Hz*
 Motor input power P_1 : 3.30/1.90 kW*
 Rated current I_N : 6.30/3.50 A*
 Rated speed n_N : 850/ 610 min⁻¹*
 Starting current I_A : 22.00 A / 6.50 A
 Current increase ΔI : 10 %
 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

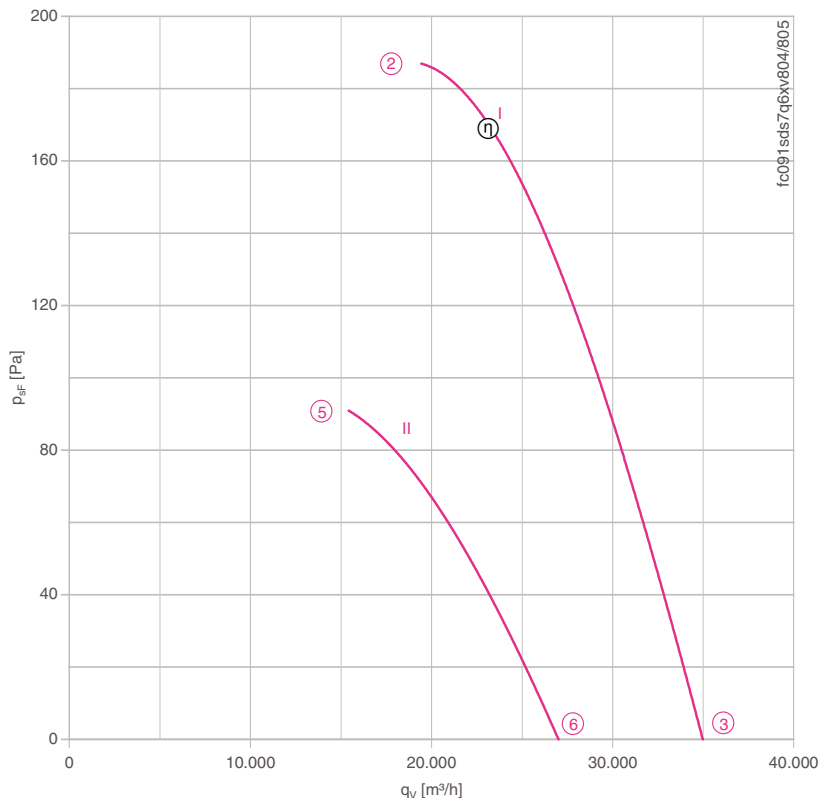
ErP Data

Efficiency η_{statA} : 40.1 %
 Efficiency: $N_{actual} = 43.3 / N_{target} = 40^{**}$
 * Rated data
 **ErP 2015

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

➤ System components Page 524

Characteristic curve

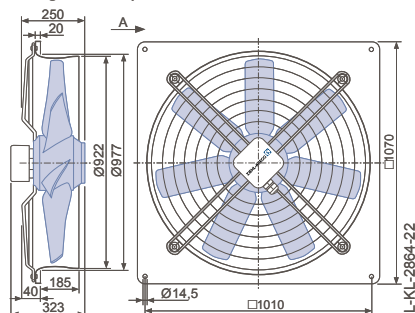


Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

Dimensions [mm]

Airflow direction A

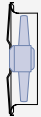
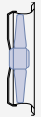
Design Q - square, full bell mouth



		curve	U [V]	point	I [A]	power P ₁ [W]	n [min ⁻¹]	sound power level L _{WA5} [dB]
FC091-SD_7Q_7	Δ	I	400*	②	6.30*	3300*	850*	88
			400	③	6.00	2900	890	89
	Y	II	400*	⑤	3.50*	1900*	610*	81
			400	⑥	3.20	1750	680	85

*rated data

Fan ordering information

Airflow direction A			Airflow direction V		
Design	Q		Q		
					
Type	FC091-SDQ.7Q.A7		FC091-SDQ.7Q.V7		
Article no.	125011		124407		
Weight [kg]	64.90		69.40		

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

