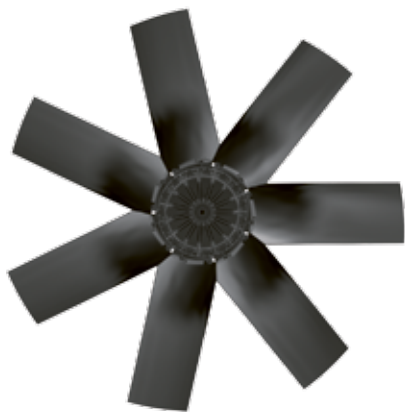




Description

Motor technology: AC

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

Rated frequency f_N : 50 Hz*

Motor input power P_1 : 1.75/1.20 kW*

Rated current I_N : 3.60/2.30 A*

Rated speed n_N : 680/ 520 min⁻¹*

Starting current I_A : 14.00 A / 4.40 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 2013, CE

ErP Data

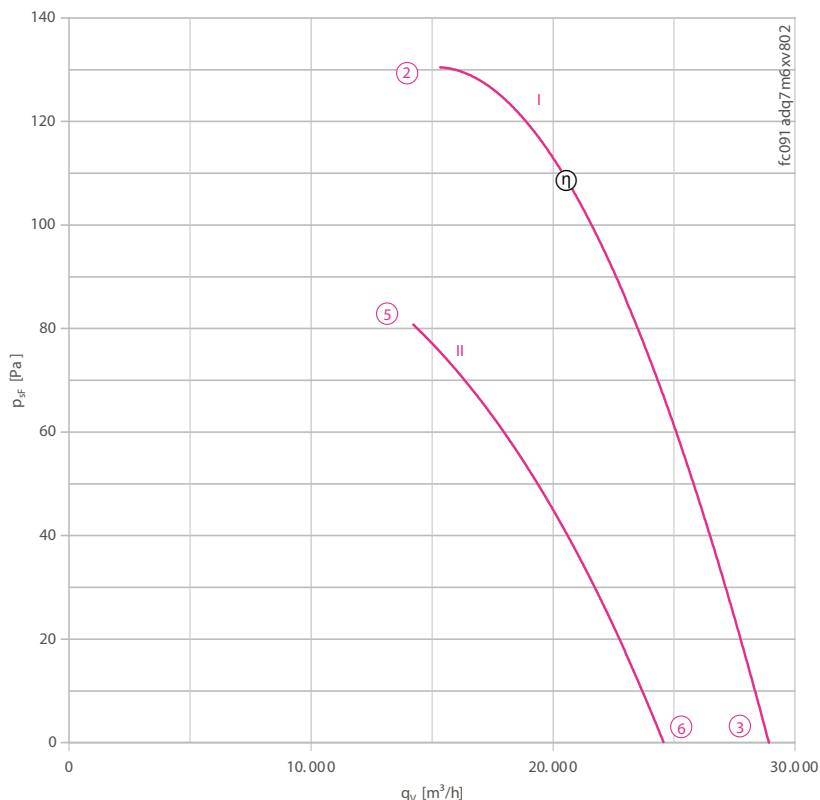
Efficiency η_{statA} : 33.8 %

Efficiency: $N_{actual} = 38.6 / N_{target} = 36$ **

* Rated data

**ErP 2013

Characteristic curve



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

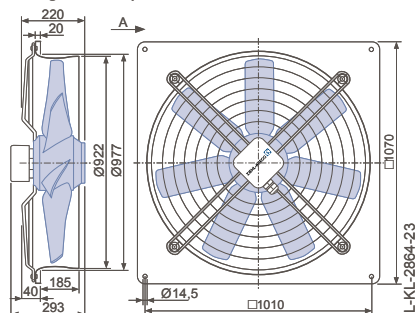
➤ Connection diagrams Page 608
for airflow direction V 1360-108XA
for airflow direction A 1360-108XB

➤ System components Page 524

Dimensions [mm]

Airflow direction A

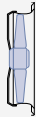
Design Q - square, full bell mouth



		curve	U [V]	point	I [A]	power P ₁ [W]	n [min ⁻¹]	sound power level L _{WA5} [dB]
FC091-AD_7M_7	Δ	I	400*	②	3.40*	1750*	680*	83
			400	③	3.20	1500	690	84
	Y	II	400*	⑤	2.30*	1200*	520*	77
			400	⑥	1.95	1100	580	80

*rated data

Fan ordering information

Airflow direction A			Airflow direction V		
Design	Q		Q		
					
Type	FC091-ADQ.7M.A7		FC091-ADQ.7M.V7		
Article no.	125012		120224		
Weight [kg]	58.60		63.10		

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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