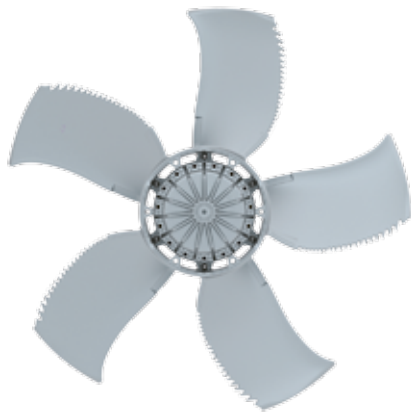




Description

Motor technology: AC

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

Rated frequency f_N : 50 Hz*

Motor input power P_1 : 5.20/3.10 kW*

Rated current I_N : 8.80/5.00 A*

Rated speed n_N : 1210/900 min⁻¹*

Starting current I_A : 32.00 A / 10.00 A

Current increase ΔI : 0 %

Thermal class: THCL155*

Min. permitted conveyor temperature $t_{R(min)}$: -40 °C

Max. permitted conveyor temperature $t_{R(max)}$: 40 °C

Electrical connection: Terminal box

Number of blades: 5

Protection class: IP54

Motor protection: Thermal contact

Blades: Aluminium, uncoated

Rotor: Aluminium, uncoated

Conformity: ErP 2015, CE

ErP Data

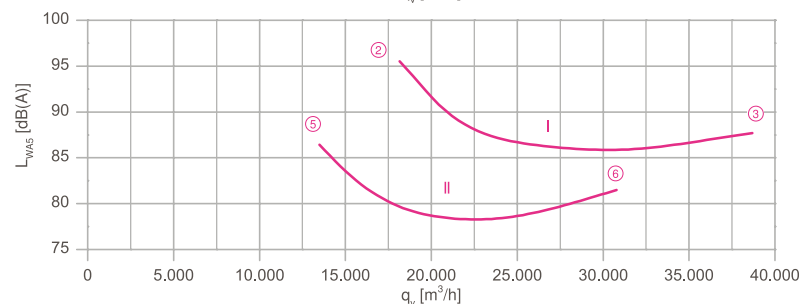
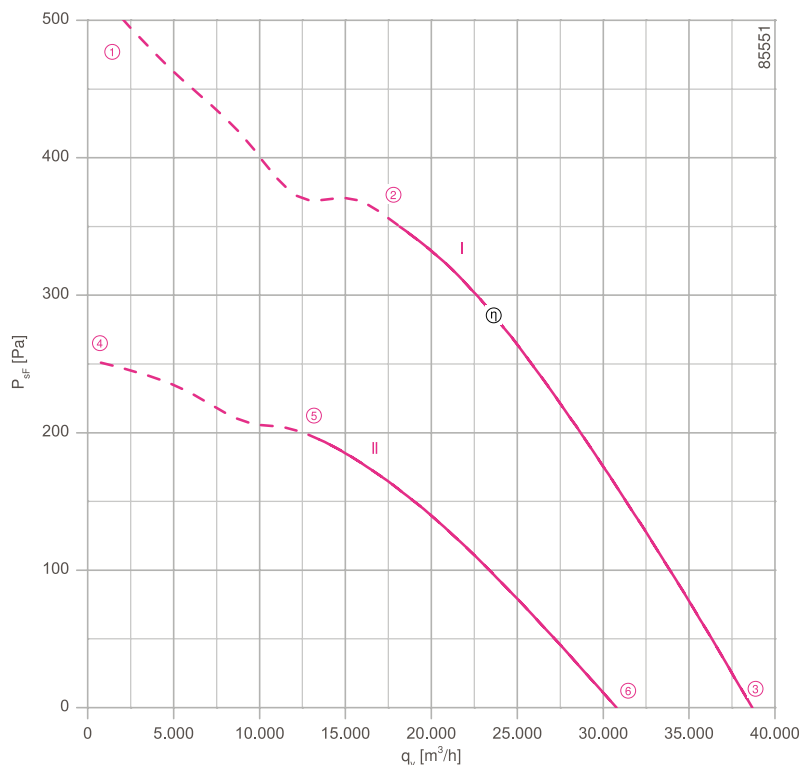
Efficiency η_{statA} : 38.5 %

Efficiency: $N_{actual} = 40.5 / N_{target} = 40$ **

* Rated data

**ErP 2015

Characteristic curve



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

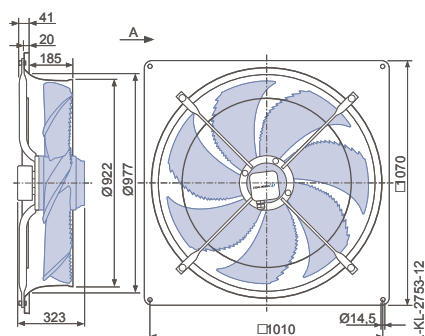
➤ Connection diagrams Page 608
for airflow direction V 1360-108XA
for airflow direction A 1360-108XB

➤ System components Page 524

Dimensions [mm]

Airflow direction A

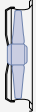
Design Q - square, full bell mouth



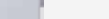
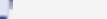
		curve	U [V]	point	I [A]	P ₁ [W]	n [min ⁻¹]	sound power level L _{WA5} [dB]
FN091-VD_7Q_5P1	Δ	I	400	①	11.00	6800	1110	
			400*	②	8.80*	5200*	1210*	96
			400	③	6.80	3800	1300	88
	Y	II	400	④	5.80	3600	750	
			400*	⑤	5.00*	3100*	900*	87
			400	⑥	4.20	2500	1040	82

*rated data

Fan ordering information

Airflow direction A		Airflow direction V		
Design	Q	Q	S	I
				
Type	FN091-VDQ.7Q.A5P1	FN091-VDQ.7Q.V5P1	FN091-VDS.7Q.V5P1	FN091-VDI.7Q.V5P1
Article no.	155924	155927	155926	155928
Weight [kg]	64.70	69.30	52.70	52.00

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
---	--	---	---

