



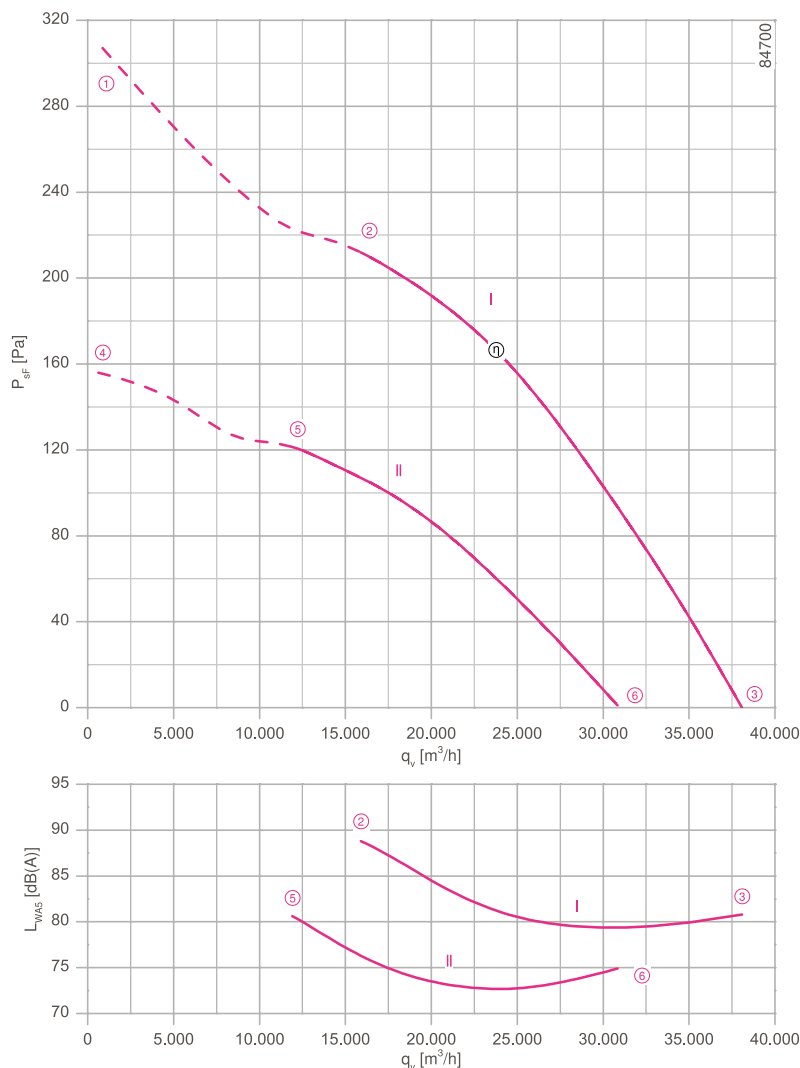
Description

Motor technology: AC
 Rated voltage U_N : 3~ 400 V (Δ/Y) ± 10 %
 Rated frequency f_N : 50 Hz*
 Motor input power P_1 : 3.10/1.95 kW*
 Rated current I_N : 5.60/3.40 A*
 Rated speed n_N : 870/ 660 min⁻¹*
 Starting current I_A : 22.00 A / 6.50 A
 Current increase ΔI : 5 %
 Thermal class: **THCL155***
 Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
 Max. permitted conveyor temperature $t_{R(max)}$: 65 °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} : 38.7 %
 Efficiency: $N_{actual} = 42.1 / N_{target} = 40$ **
 * 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

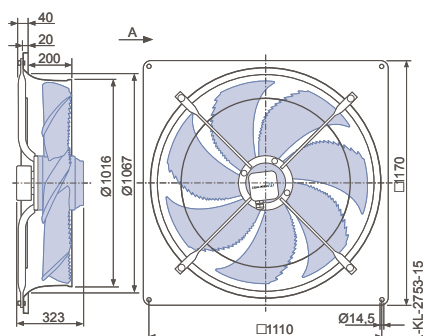


Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

Dimensions [mm]

Airflow direction A

Design Q - square, full bell mouth



		curve	U [V]	point	I [A]	P ₁ [W]	n [min ⁻¹]	sound power level L _{WA5} [dB]
FN100-SD_7Q_5P1	Δ	I	400	①	6.60	3800	830	
			400*	②	5.60*	3100*	870*	89
			400	③	4.40	2300	910	81
	Y	II	400	④	3.80	2100	590	
			400*	⑤	3.40*	1950*	660*	81
			400	⑥	2.80	1650	740	75

*rated data

Fan ordering information

Airflow direction A		Airflow direction V		
Design	Q	Q	S	I
				
Type	FN100-SDQ.7Q.A5P1	FN100-SDQ.7Q.V5P1	FN100-SDS.7Q.V5P1	FN100-SDI.7Q.V5P1
Article no.	155854	155857	155858	155856
Weight [kg]	69.50	73.80	55.10	54.30

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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