



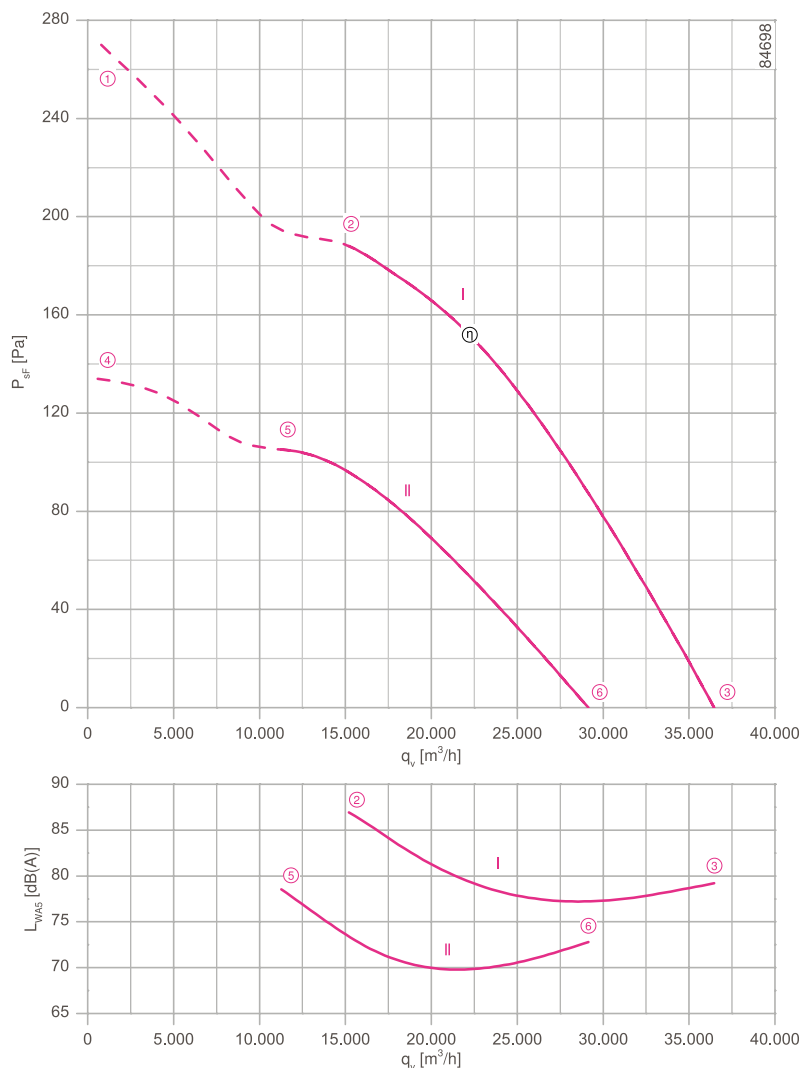
Description

Motor technology: AC
 Rated voltage U_N : 3~ 400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz* (60Hz data available)
 Motor input power P_1 : 2.70/1.60 kW*
 Rated current I_N : 5.40/2.80 A*
 Rated speed n_N : 820/ 620 min⁻¹*
 Starting current I_A : 24.00 A / 7.50 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: 5
 Protection class: IP54
 Motor protection: Thermal contact
 Blades: Aluminium, uncoated
 Rotor: Aluminium, uncoated
 Conformity: ErP 2015, CE
ErP Data
 Efficiency η_{statA} : 36.8 %
 Efficiency: $N_{actual} = 40.5 / N_{target} = 40$ **
 * 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

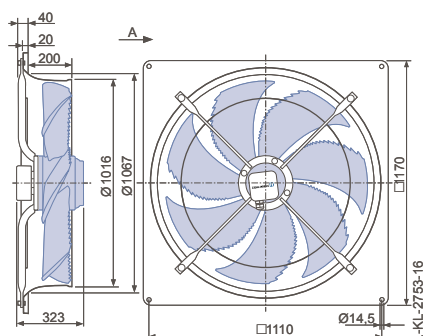


Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

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	6.00	3200	780	
			400*	②	5.40*	2700*	820*	87
			400	③	4.60	2100	870	79
	Y	II	400	④	3.10	1800	560	
			400*	⑤	2.80*	1600*	620*	79
			400	⑥	2.40	1350	700	73

*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.	155860	155863	155864	155862
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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