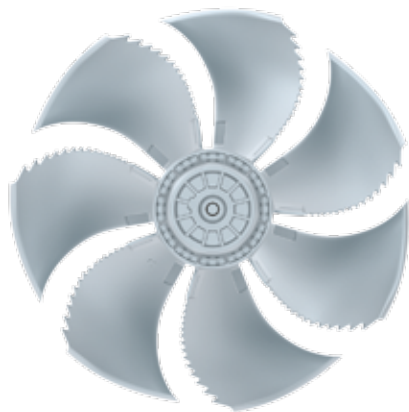




Description

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 : 0.34/0.21 kW*

Rated current I_N : 0.70/0.38 A*

Rated speed n_N : 870/ 630 min⁻¹*

Starting current I_A : 2.20 A / 0.70 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: 7

Protection class: IP54

Motor protection: Thermal contact

Blades: Aluminium, uncoated

Rotor: Aluminium, uncoated

Conformity: ErP 2015, CE

ErP Data

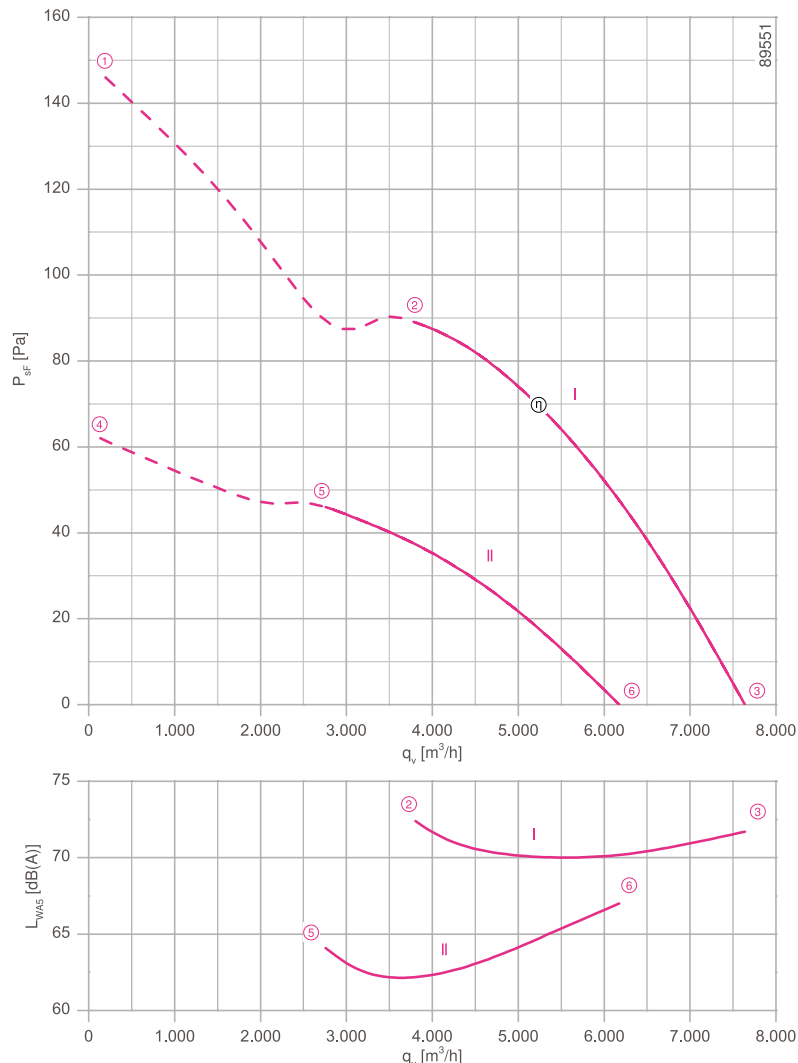
Efficiency η_{statA} : 31.9 %

Efficiency: $N_{actual} = 41.2 / N_{target} = 40$ **

* Rated data

**ErP 2015

Characteristic curve



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

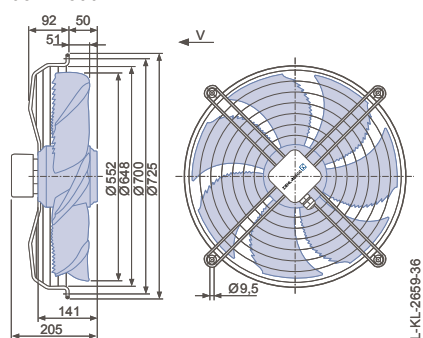
Connection diagram 1360-108XA Page 608

System components Page 524

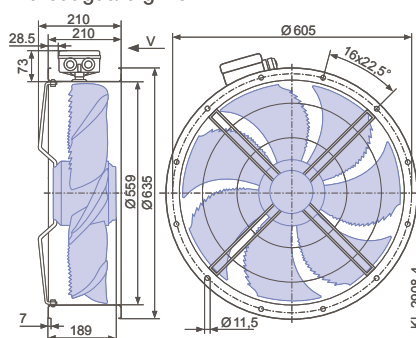
Dimensions [mm]

Airflow direction V

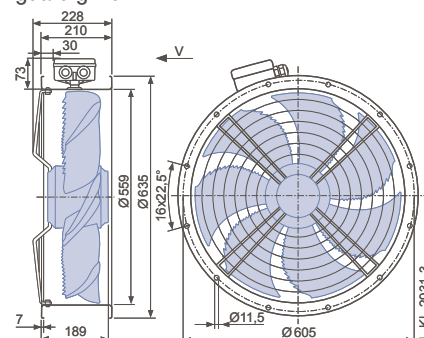
Design K - axial bolted, mounted for short bell mouth E



Design F - flange ring with two flanges without guard grille



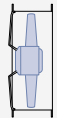
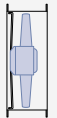
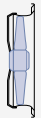
Design F - flange ring with two flanges and guard grille



		curve	U [V]	point	I [A]	power P ₁ [W]	n [min ⁻¹]	sound power level L _{WA5} [dB]
FN056-SD_4F_7P2	Δ	I	400	①	0.84	440	810	
			400*	②	0.70*	340*	870*	72
			400	③	0.58	250	920	72
	Y	II	400	④	0.42	230	530	
			400*	⑤	0.38*	210*	630*	64
			400	⑥	0.31	170	750	67

*rated data

Fan ordering information

Airflow direction V				
Design	K	F (without contact protection)	F (with contact protection)	Q
				
Type	FN056-SDK.4F.V7P2	FN056-SDF.4F.V7P2	FN056-SDF.4F.V7P2	FN056-SDQ.4F.V7P2
Article no.	159453	159457	159456	159455
Weight [kg]	11.90	17.00	17.90	19.80

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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Design Q - square, full bell mouth

