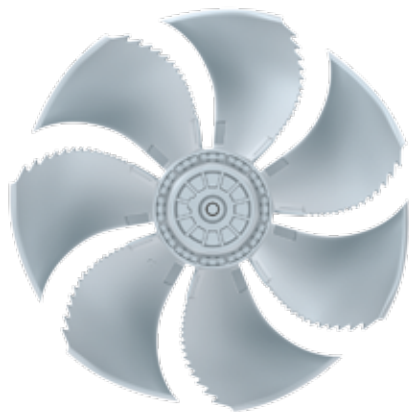




Description

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 : 1.05/0.58 kW*

Rated current I_N : 2.20/1.10 A*

Rated speed n_N : 1280/910 min⁻¹*

Starting current I_A : 7.00 A / 2.00 A

Current increase ΔI : 0 %

Thermal class: THCL155*

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

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

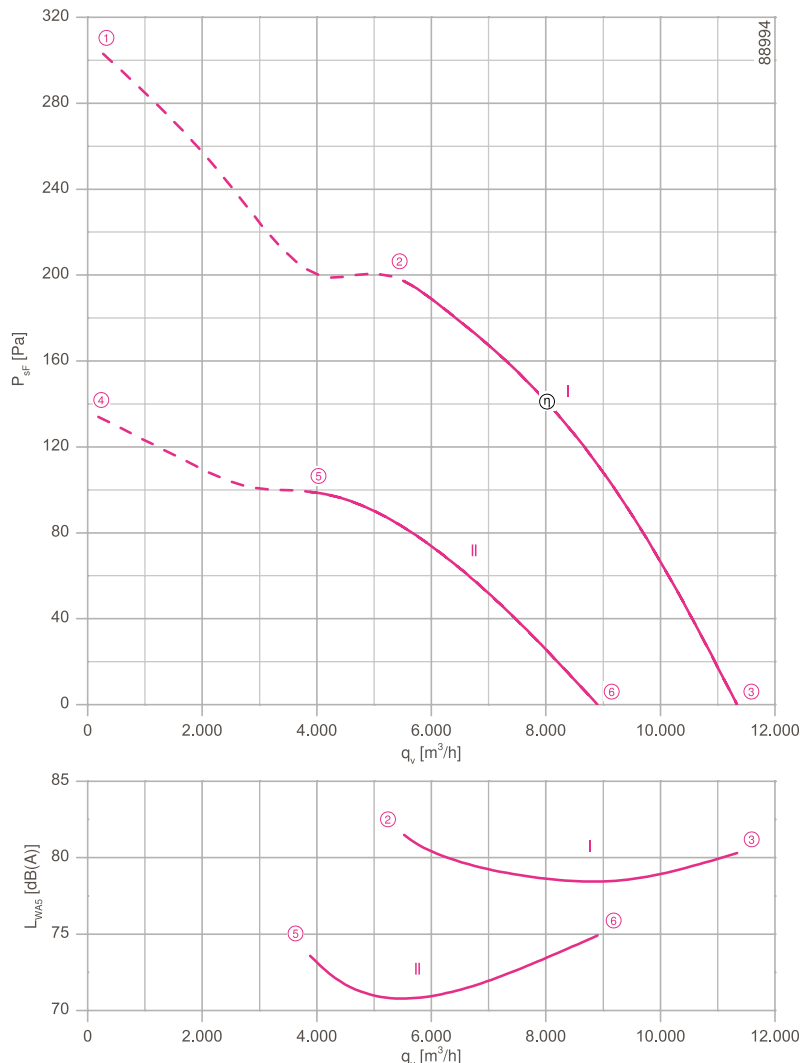
Efficiency η_{statA} : 33.7 %

Efficiency: $N_{actual} = 40.1 / N_{target} = 40$ **

* Rated data

**ErP 2015

Characteristic curve



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

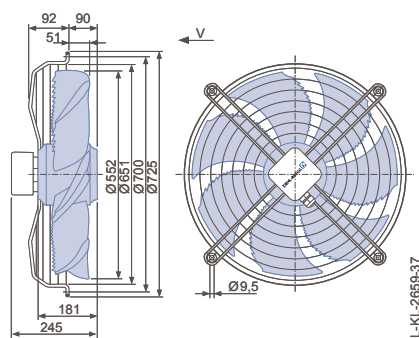
➤ Connection diagram 1360-108XA Page 608

➤ System components Page 524

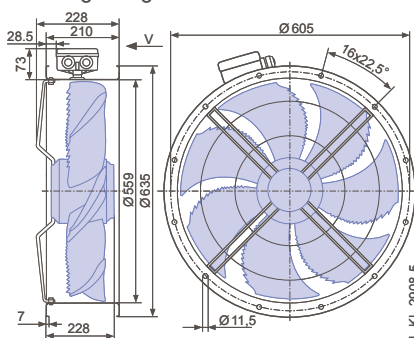
Dimensions [mm]

Airflow direction V

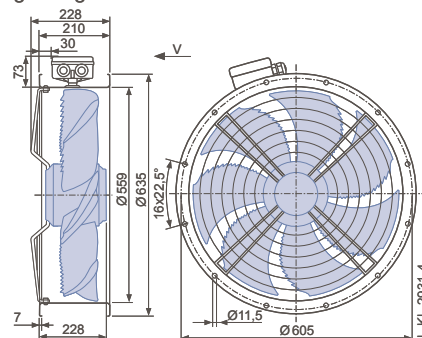
Design K - axial bolted, mounted for short bell mouth E



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-VD_4M_7P2	Δ	I	400	①	2.60	1300	1190	
			400*	②	2.20*	1050*	1280*	82
			400	③	1.75	740	1370	80
	Y	II	400	④	1.20	640	790	
			400*	⑤	1.10*	580*	910*	73
			400	⑥	0.94	480	1080	75

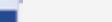
*rated data

Fan ordering information

Airflow direction V

Design	K	F (without contact protection)	F (with contact protection)	Q
				
Type	FN056-VDK.4M.V7P2	FN056-VDF.4M.V7P2	FN056-VDF.4M.V7P2	FN056-VDQ.4M.V7P2
Article no.	159443	159447	159446	159445
Weight [kg]	15.40	20.40	21.30	23.20

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

