



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 : 0.94/0.50 kW*

Rated current I_N : 2.30/1.05 A*

Rated speed n_N : 650/ 480 min⁻¹*

Starting current I_A : 5.50 A / 1.60 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 2013, CE

ErP Data

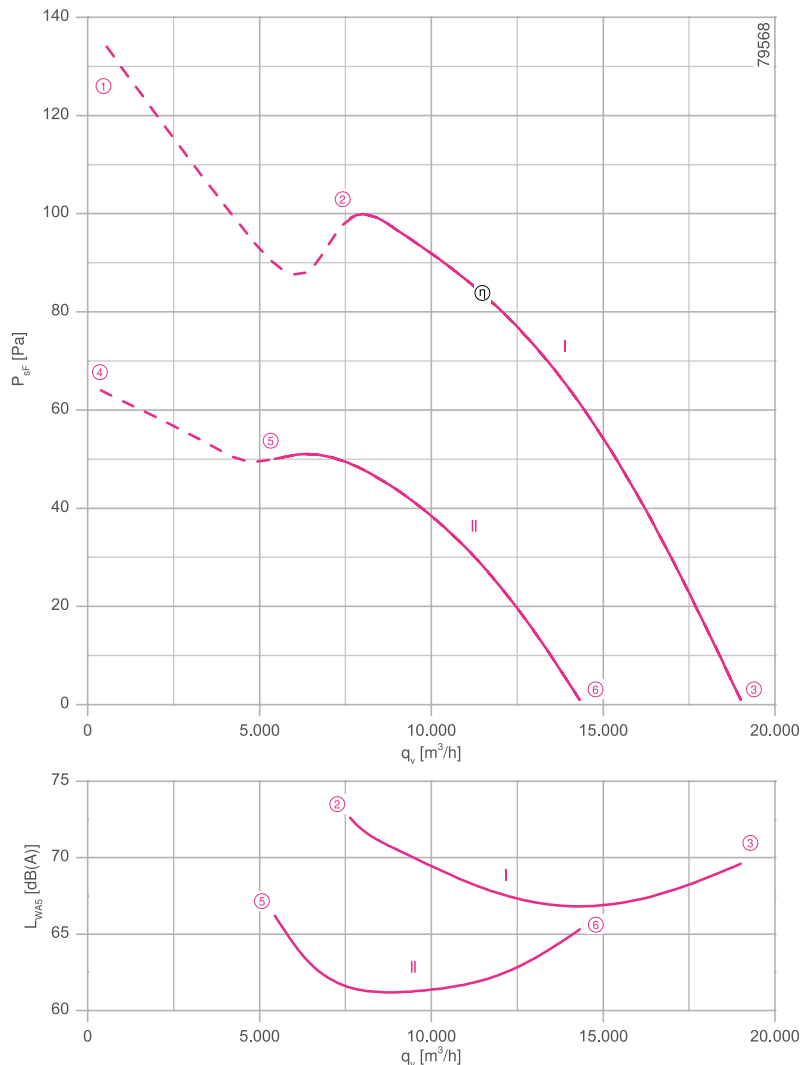
Efficiency η_{statA} : 31.1 %

Efficiency: $N_{actual} = 37.7 / N_{target} = 36$ **

* Rated data

**ErP 2013

Characteristic curve



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

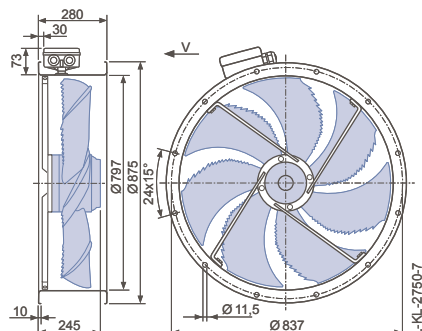
➤ Connection diagram 1360-108XA Page 608

➤ System components Page 524

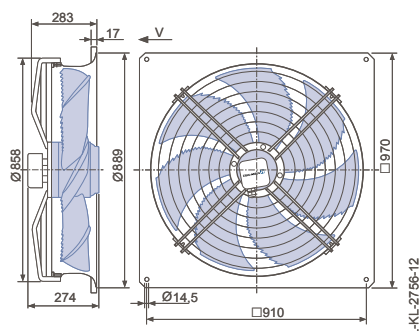
Dimensions [mm]

Airflow direction V

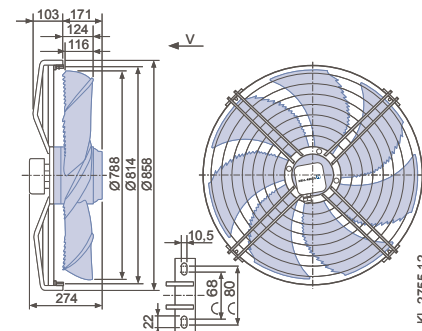
Design F - flange ring with two flanges without guard grille



Design Q - square, full bell mouth



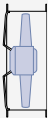
Design S - radially bolted, mounting for full bell mouth Q and L



		curve	U [V]	point	I [A]	power P ₁ [W]	n [min ⁻¹]	sound power level L _{WA5} [dB]
FN080-AD_6N_7P2	Δ	I	400	①	2.50	1100	620	
			400*	②	2.30*	940*	650*	73
			400	③	2.10	740	680	70
	Y	II	400	④	1.15	540	430	
			400*	⑤	1.05*	500*	480*	66
			400	⑥	1.00	460	530	65

*rated data

Fan ordering information

Airflow direction V				
Design	F (without contact protection)	Q	S	I
				
Type	FN080-ADF.6N.V7P2	FN080-ADQ.6N.V7P2	FN080-ADS.6N.V7P2	FN080-ADI.6N.V7P2
Article no.	141680	141654	141652	153991
Weight [kg]	46.50	45.30	34.40	34.50

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 I - axial bolted, mounting for bell mouth flange for pipe socket H or full bell mouth Q or L

