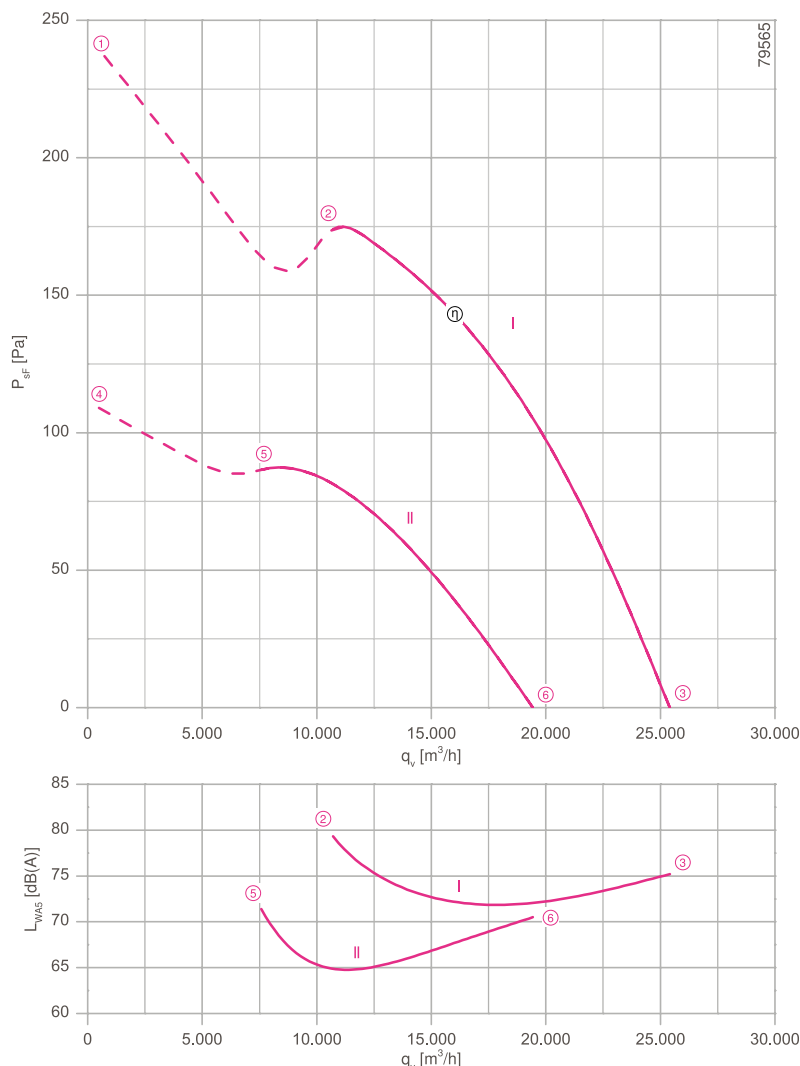




Description

Motor technology: AC
 Rated voltage U_N : 3~ 400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz*
 Motor input power P_1 : 2.10/1.15 kW*
 Rated current I_N : 4.20/2.20 A*
 Rated speed n_N : 860/ 620 min⁻¹*
 Starting current I_A : 11.00 A / 3.40 A
 Current increase ΔI : 0 %
 Thermal class: **THCL155***
 Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
 Max. permitted conveyor temperature $t_{R(max)}$: 60 °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} : 33.1 %
 Efficiency: $N_{actual} = 37.5 / N_{target} = 36$ **
 * Rated data
 **ErP 2013

Characteristic curve



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

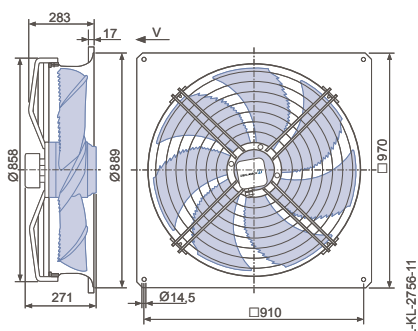
Connection diagram 1360-108XA Page 608

System components Page 524

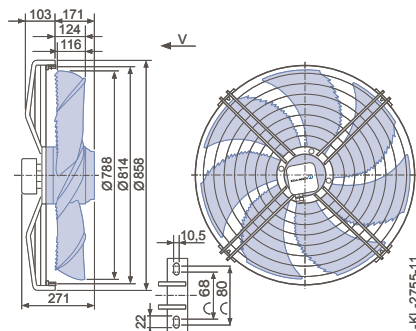
Dimensions [mm]

Airflow direction V

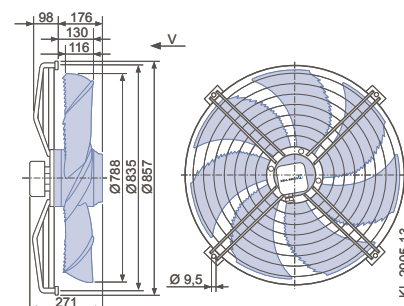
Design Q - square, full bell mouth



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



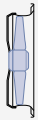
Design I - axial bolted, mounting for bell mouth flange for pipe socket H or full bell mouth Q or L



		curve	U [V]	point	I [A]	power P ₁ [W]	n [min ⁻¹]	sound power level L _{WA5} [dB]
FN080-SD_6N_7P2	Δ	I	400	①	4.60	2400	830	
			400*	②	4.20*	2100*	860*	80
			400	③	3.50	1600	900	75
	Y	II	400	④	2.30	1200	560	
			400*	⑤	2.20*	1150*	620*	72
			400	⑥	1.95	1050	690	71

*rated data

Fan ordering information

Airflow direction V			
Design	Q	S	I
			
Type	FN080-SDQ.6N.V7P2	FN080-SDS.6N.V7P2	FN080-SDI.6N.V7P2
Article no.	141678	141677	154504
Weight [kg]	45.30	34.40	34.30

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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