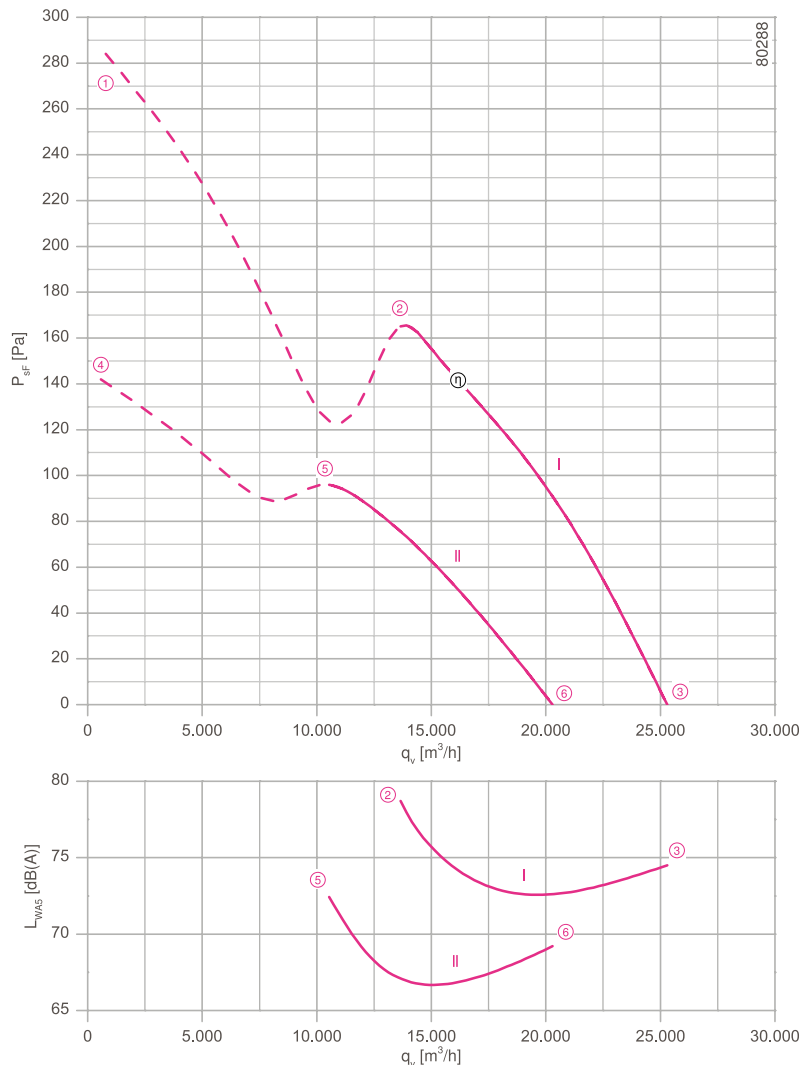




Description

Motor technology: AC
 Rated voltage U_N : 3~ 400 V (Δ/Y) ± 10 %
 Rated frequency f_N : 50 Hz*
 Motor input power P_1 : 1.80/1.15 kW*
 Rated current I_N : 3.90/2.20 A*
 Rated speed n_N : 900/ 700 min⁻¹*
 Starting current I_A : 13.00 A / 3.80 A
 Current increase ΔI : 5 %
 Thermal class: **THCL155***
 Min. permitted conveyor temperature $t_{R(min)}$: -40 °C
 Max. permitted conveyor temperature $t_{R(max)}$: 65 °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} : 36.8 %
 Efficiency: $N_{actual} = 41.5 / N_{target} = 40^{**}$
 * Rated data
 **ErP 2015

Characteristic curve



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

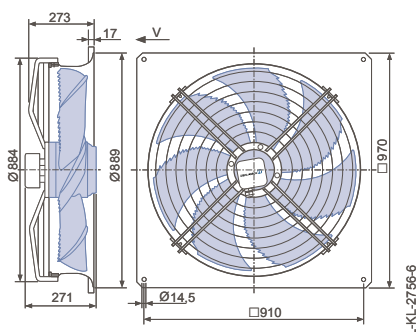
➤ Connection diagram 1360-108XA Page 608

➤ System components Page 524

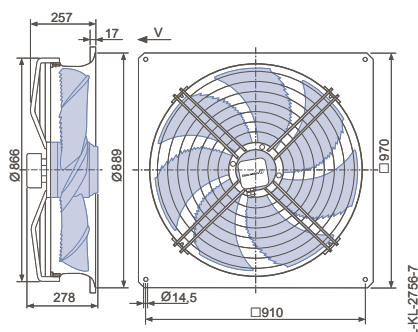
Dimensions [mm]

Airflow direction V

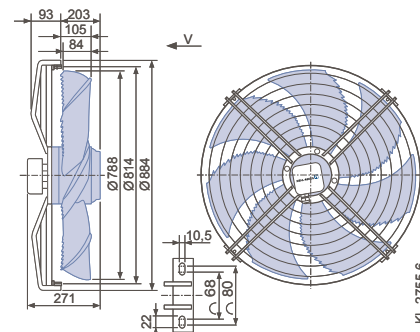
Design Q - square, full bell mouth with mesh grille



Design Q - square, full bell mouth with ring grille



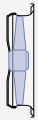
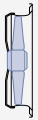
Design S - radial bolted, mounting for full bell mouth Q and L with mesh grille



		curve	U [V]	point	I [A]	power P ₁ [W]	n [min ⁻¹]	sound power level L _{WA5} [dB]
FN080-SD_6N_7	Δ	I	400	①	4.80	2400	860	90
			400*	②	3.90*	1800*	900*	79
			400	③	3.60	1550	920	75
	Y	II	400	④	2.50	1300	600	80
			400*	⑤	2.20*	1150*	700*	73
			400	⑥	2.00	1050	740	69

*rated data

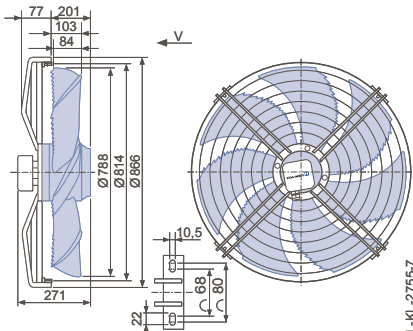
Fan ordering information

Airflow direction V						
Design	Q(M)	Q(R)	S(M)	S(R)	I(M)	I(R)
						
Type	FN080-SDQ.6N.V7	FN080-SDQ.6N.V7	FN080-SDS.6N.V7	FN080-SDS.6N.V7	FN080-SDI.6N.V7	FN080-SDI.6N.V7
Article no.	138292	138758	138756	138757	153499	153512
Weight [kg]	50.70	50.90	36.30	36.50	35.80	36.10

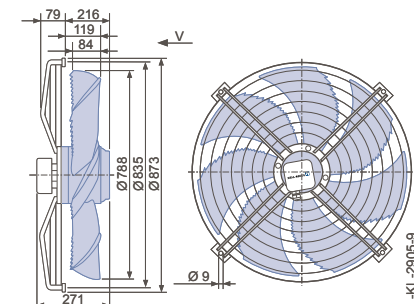
Control technology

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 S - radial bolted, mounting for full bell mouth Q and L with ring grille



Design I - axial bolted, mounting for bell mouth flange for pipe socket H or full bell mouth Q or L and airflow direction V with mesh grille



Design I - axial bolted, mounting for bell mouth flange for pipe socket H or full bell mouth Q or L and airflow direction V with ring grille

