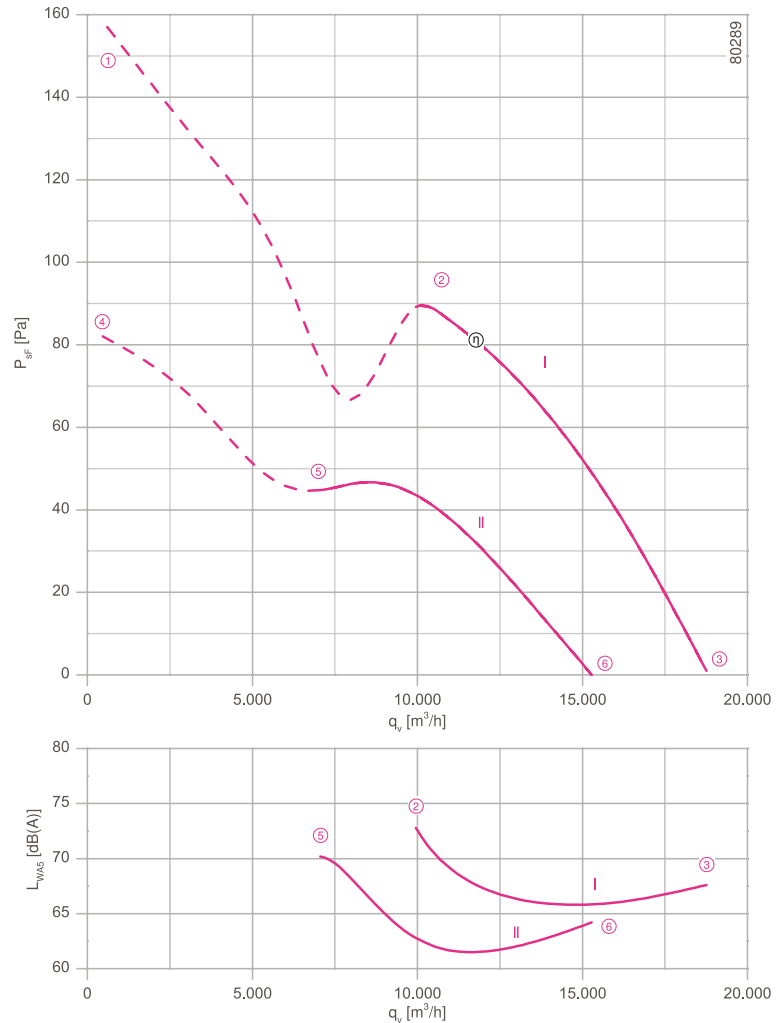




## Description

Motor technology: AC  
 Rated voltage  $U_N$ : 3- 400 V ( $\Delta/Y$ )  $\pm 10$  %\*  
 Rated frequency  $f_N$ : 50 Hz\* (60Hz data available)  
 Motor input power  $P_1$ : 0.82/0.48 kW\*  
 Rated current  $I_N$ : 2.10/1.00 A\*  
 Rated speed  $n_N$ : 670/550 min<sup>-1</sup>\*  
 Starting current  $I_a$ : 5.50 A / 1.60 A  
 Current increase  $\Delta I$ : 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  $\eta_{statA}$ : 33.4 %  
 Efficiency:  $N_{actual} = 40.3 / N_{target} = 40$ \*\*  
 \* 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

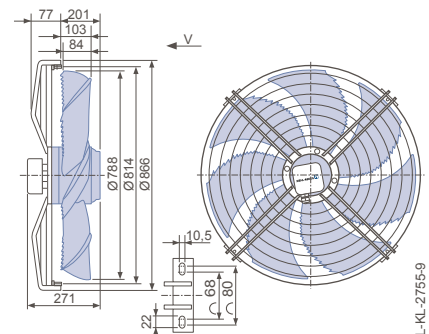
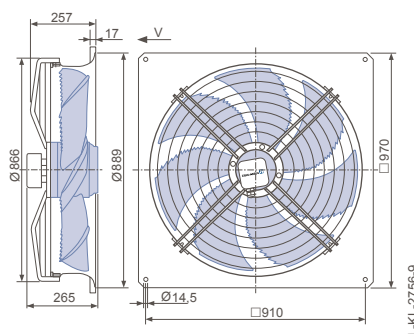
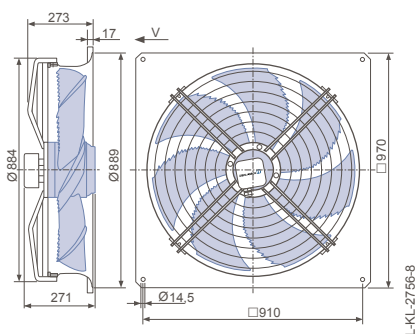
## Dimensions [mm]

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 ring grille



	curve	point	power			sound power level L <sub>WA5</sub> [dB]
			U [V]	I [A]	P <sub>1</sub> [W]	
FN080-AD_6N_7	Δ	I	400	① 2.40	1050	640
			400*	② 2.10*	820*	670*
			400	③ 2.00	700	690
	Y	II	400	④ 1.20	580	460
			400*	⑤ 1.00*	480*	550*
			400	⑥ 0.98	460	560

\*rated data

## Fan ordering information

Airflow direction V

Design	Q(M)	Q(R)	S(R)	I(M)	I(R)
<b>Type</b>	<b>FN080-ADQ.6N.V7</b>	<b>FN080-ADQ.6N.V7</b>	<b>FN080-ADS.6N.V7</b>	<b>FN080-ADI.6N.V7</b>	<b>FN080-ADI.6N.V7</b>
<b>Article no.</b>	<b>138293</b>	<b>138764</b>	<b>138763</b>	<b>154502</b>	<b>153397</b>
<b>Weight [kg]</b>	50.70	50.90	36.50	35.78	36.10

## Control technology

Frequency inverter  
Fcontrol 3~



Page 558

Motor protection units  
3~



Page 596

Transformer-based  
controllers 3~



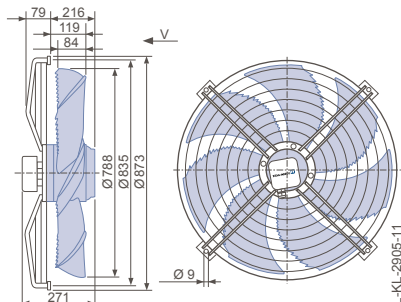
Page 591

Electronic voltage  
controllers 3~



Page 578

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

