

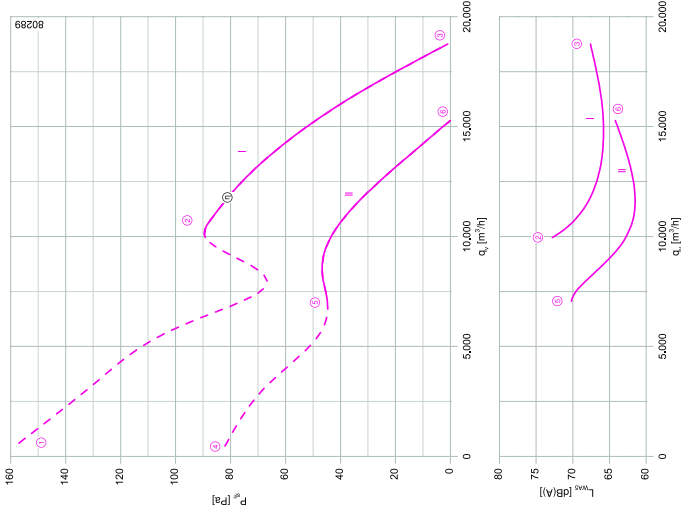
FE2owlet

for three phase alternating current, 8-8 pole

FN080-AD



Characteristic curve



Description

Motor technology: AC
Rated voltage U_n : 3-400 V (Δ/Y) $\pm 10\%$
Rated frequency f_n : 50 Hz (60Hz data available)
Motor input power P : 0.620-38 kW
Rated current I_n : 2.101-100 A
Rated speed n_n : 670/550 min⁻¹
Starting current I_s : 5.50 A / 1.60 A
Current increase ΔI : 0 %
Thermal class: **THCL155**
Min. permitted conveyor temperature t_{conv} : -40 °C
Max. permitted conveyor temperature t_{conv} : 70 °C
Electrical connection: Terminal box
Number of blades: 7
Protection class: IP54
Motor protection: Thermal contact
Blades: Aluminum, uncoated
Rotor: Aluminum, uncoated
Conformity: ErP 2015, OE
ErP Data
Efficiency η_{max} : 33.4 %
Efficiency: $\eta_{\text{total}} = 40.3$ / $\eta_{\text{total}} = 40\%$
* Rated data
**ErP 2015

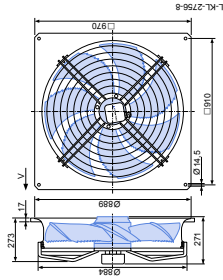
➡ Connection diagram Page 608

➡ System components Page 524

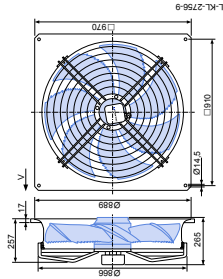
Dimensions [mm]

➡ Airflow direction V

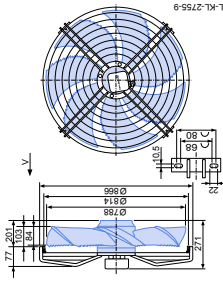
Design Q - square, full bell mouth with mesh grille



Design Q - square, full bell mouth with ring grille



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



Performance data

Type	Connection	Characteristic curve	Voltage [V]	Operating point	Current [A]	Motor input power [W]	Speed n [min ⁻¹]	Suction side sound power level L _{W,s} [dB]
FN080-AD-6N-7	Δ	I	400	①	2.40	1050	640	
			400*	②	2.10*	820*	670*	73
			400	③	2.00	700	690	68
	Y	II	400	④	1.20	580	460	
			400*	⑤	1.00*	480*	590*	70
			400	⑥	0.98	460	560	64

*rated data

Fan ordering information

➡ Airflow direction V

Design	Q (M)	Q (R)	S (R)	I (M)	I (R)
Type	FN080-ADQ-6N-V7	FN080-ADO-6N-V7	FN080-ADS-6N-V7	FN080-ADI-6N-V7	FN080-ADI-6N-V7
Article no.	138293	138764	138763	154502	153397
Weight [kg]	50.70	50.90	38.50	35.78	36.10

Control technology

Frequency inverter

Control 3~

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Motor protection units

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Transformer-based controllers 3~

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Electronic voltage controllers 3~

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