



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 : 0.29/0.18 kW*

Rated current I_N : 0.80/0.37 A*

Rated speed n_N : 450/ 360 min⁻¹*

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

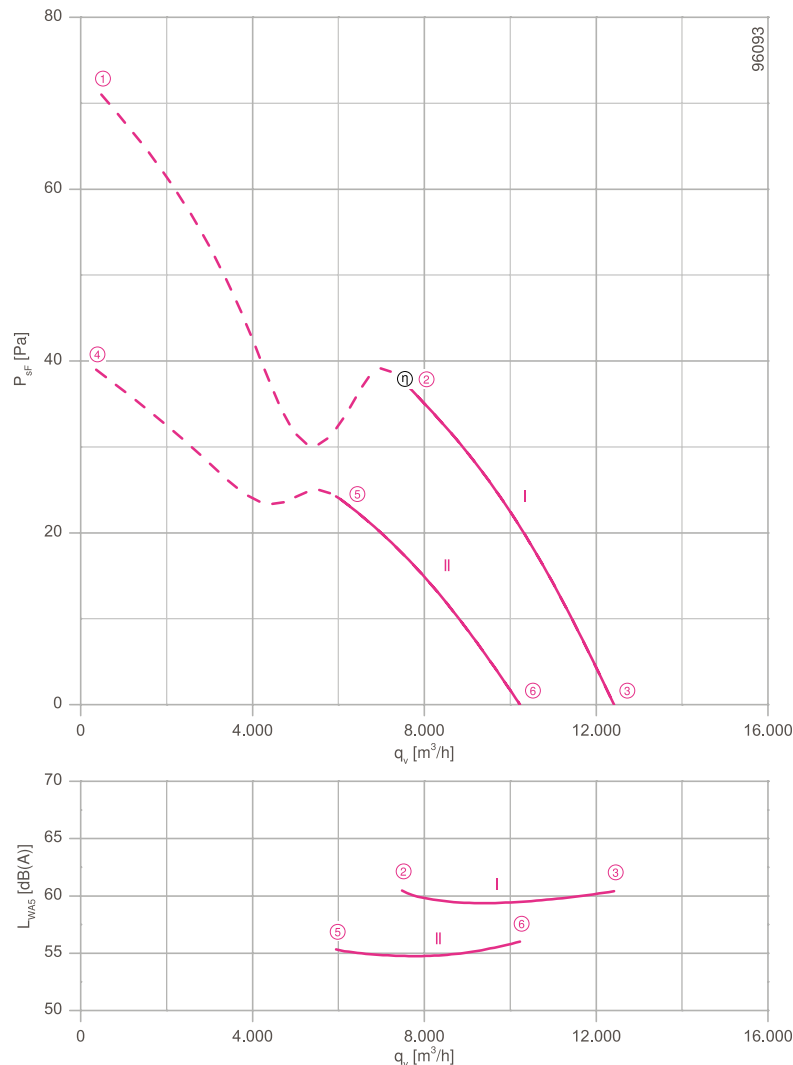
Efficiency η_{statA} : 27.8 %

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.

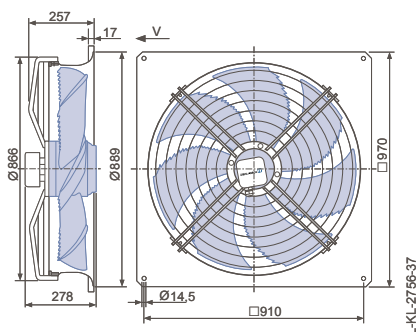
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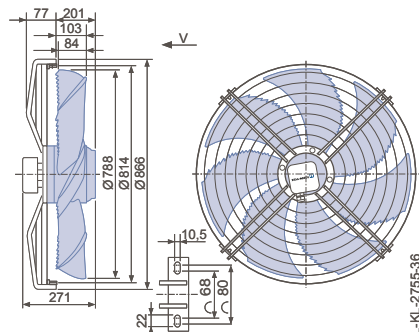
Dimensions [mm]

Airflow direction: V

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-ND_.6N_.7	Δ	I	400	①	0.86	360	420	
			400*	②	0.80*	290*	440*	61
			400	③	0.78	260	460	60
	Y	II	400	④	0.42	210	320	
			400*	⑤	0.37*	180*	360*	55
			400	⑥	0.34	160	380	56

*rated data

Fan ordering information

Airflow direction V		
Design	Q	S
		
Type	FN080-NDQ.6N.V7	FN080-NDS.6N.V7
Article no.	160034	160726
Weight [kg]	54.40	36.50

Control technology

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