



Description

Motor technology: EC

Rated voltage U: 3~ 380-480 V*

Rated frequency f: 50/60 Hz*

Motor input power P_{cve} : **0.83 kW***

Rated current I: 1.45- 1.15 A*

Rated speed $n_{\max}$: 700 min⁻¹*

Thermal class: **THCL155***

Min. permitted conveyor temperature $t_{B(min)}$: -35 °C

Max. permitted conveyor temperature $t_{R(max)}$: 60 °C

Electrical connection: integrated Controller

Number of blades: 5

Protection class: IP54

Motor protection: Integrated active temperature management

Blades: High Performance Composite Material, uncoated, black

Rotor: Steel, 2 coat paint, Ultramarine blue

Conformity: ErP 2015, CE, UL

ErP Data

Efficiency η_{total} : 44.3 %

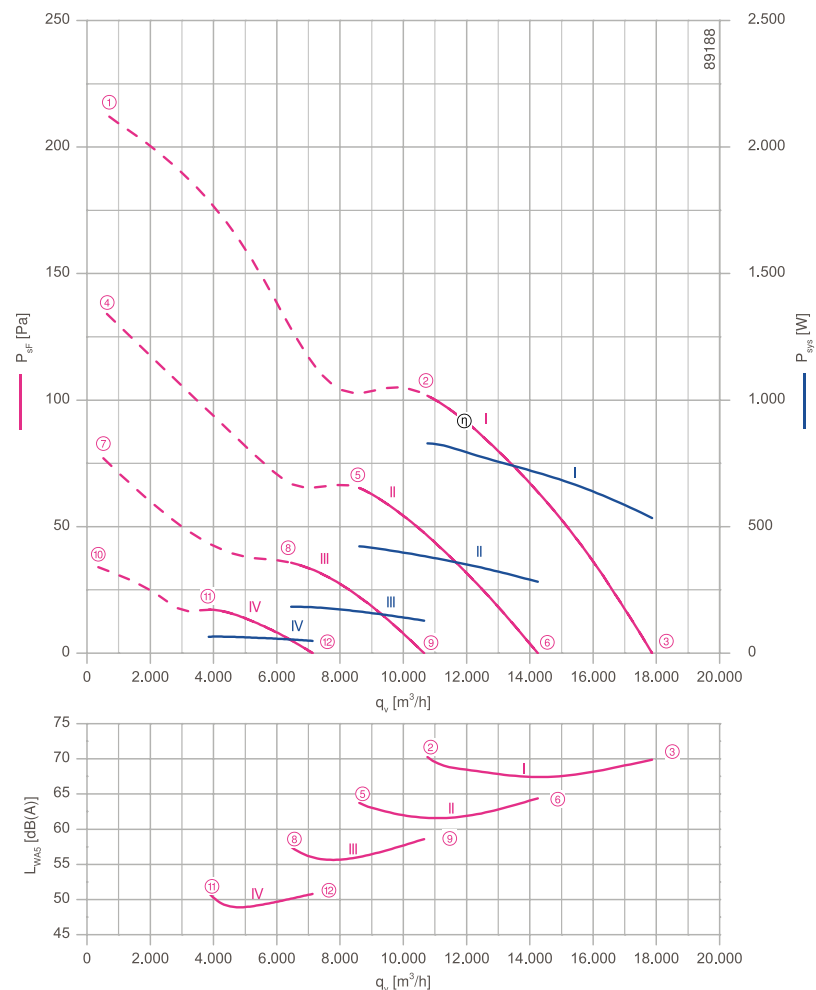
Efficiency: $N_{\text{actual}} = 51.4 / N_{\text{target}} = 40^{**}$

EC controller integrated

* Rated data

**ErP 2015

Characteristic curve



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

Connection diagram 1360-401 Page 607

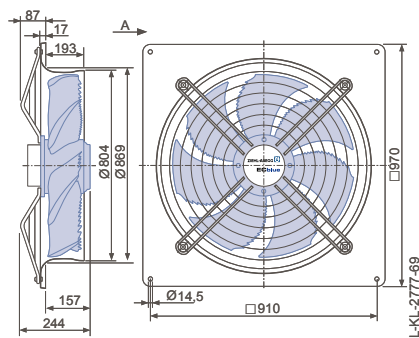
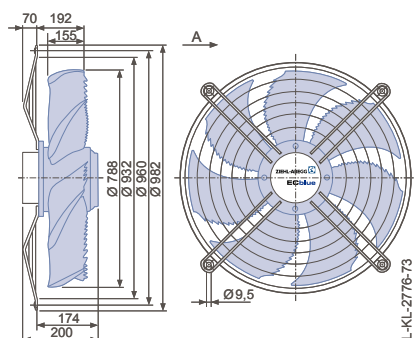
System components Page 524

Dimensions [mm]

Airflow direction A

Design D - axial bolted, suspension for full bell mouth Q and L

Design Q - square, full bell mouth



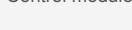
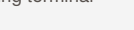
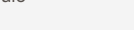
		n [min ⁻¹]		I [A]	P _{Sys} [W]	power level L _{WAS} [dB]
FN080-ZI_DG_5P4	I	700	①	1.85	1200	
		700	②	1.35	820	70
		700	③	0.94	540	70
	II	560	④	1.05	600	
		560	⑤	0.80	420	64
		560	⑥	0.62	280	64
	III	420	⑦	0.58	250	
		420	⑧	0.46	180	58
		420	⑨	0.36	130	59
	IV	280	⑩	0.29	85	
		280	⑪	0.26	65	50
		280	⑫	0.23	48	51

Current values determined at 400V

Fan ordering information

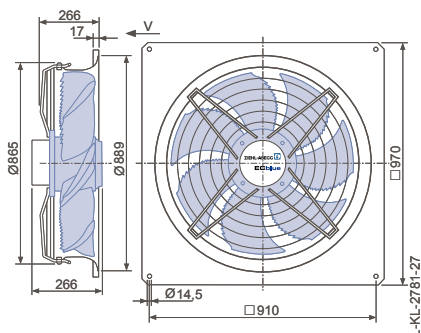
	Airflow direction A		Airflow direction V		
Design	D	Q	Q	S	I
					
Type	FN080-ZID.DG.A5P4	FN080-ZIQ.DG.A5P4	FN080-ZIQ.DG.V5P4	FN080-ZIS.DG.V5P4	FN080-ZII.DG.V5P4
Basic electronics					
Article no.	157195	157196	157199	157200	157198
Premium electronics					
Article no.	157202	157203	157206	157207	157205
Weight [kg]	20.90	35.60	34.10	19.80	19.30

Control technology

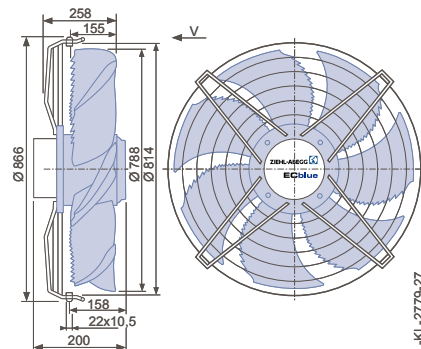
Control module	Operating terminal	Expansion module
		
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Airflow direction V

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

