



Description

Motor technology: EC

Rated voltage U: 3~ 200-240 V*

Rated frequency f: 50/60 Hz*

Motor input power P_{cve} : 0.69 kW*

Rated current I: **2.10- 1.75 A***

Rated speed $n_{\max}$: **570 min⁻¹***

Rated speed $n_{\max}$: 370 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: 4

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_{statA} : 46.4 %

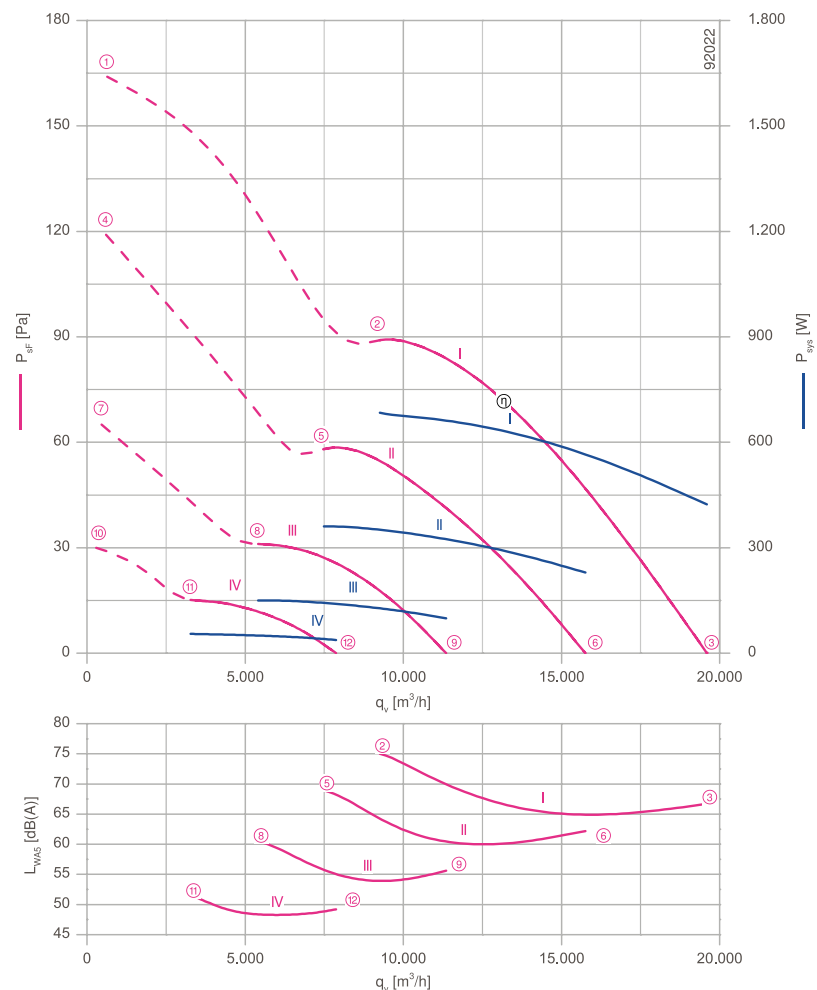
Efficiency: $N_{\text{actual}} = 54.0 / N_{\text{target}} = 40^{**}$

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.

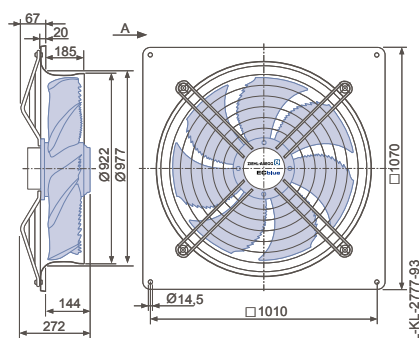
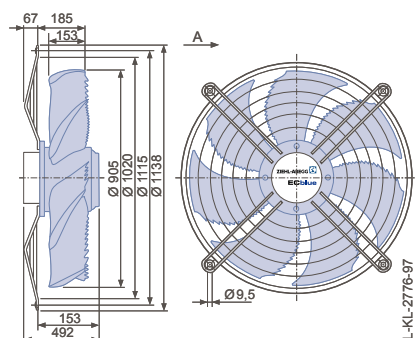


Dimensions [mm]

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 _{WA5} [dB]
FN091-ZI_DG._4P3	I	570	①	2.50	940	
		570	②	1.85	680	75
		570	③	1.15	420	67
	II	460	④	1.55	560	
		460	⑤	1.00	360	69
		460	⑥	0.68	230	62
	III	340	⑦	0.68	230	
		340	⑧	0.52	150	60
		340	⑨	0.37	100	56
	IV	230	⑩	0.31	75	
		230	⑪	0.24	55	50
		230	⑫	0.18	38	49

Current values determined at 230V

Fan ordering information

Airflow direction A			Airflow direction V		
Design	D	Q	Q	S	I
					
Type	FN091-ZID.DG.A4P3	FN091-ZIQ.DG.A4P3	FN091-ZIQ.DG.V4P3	FN091-ZIS.DG.V4P3	FN091-ZII.DG.V4P3
Basic electronics					
Article no.	159805	159807	159799	159801	159797
Premium electronics					
Article no.	159806	159808	159800	159802	159798
Weight [kg]	19.50	36.00	36.50	19.90	19.90

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
