



Description

Motor technology: EC
 Rated voltage U: 3~ 200-240 V*
 Rated frequency f: 50/60 Hz*
 Motor input power P_{sys} : 2.10 kW*
 Rated current I: 6.40- 5.40 A*
 Rated speed n_{max} : 950 min⁻¹*
 Thermal class: THCL155*
 Min. permitted conveyor temperature $t_{R(min)}$: -35 °C
 Max. permitted conveyor temperature $t_{R(max)}$: 55 °C
 Electrical connection: integrated Controller
 Number of blades: 5
 Protection class: IP54
 Motor protection: Integrated active temperature management
 Blades: Aluminium, uncoated
 Rotor: Steel, 2 coat paint, Ultramarine blue
 Conformity: ErP 2015, CE, UL

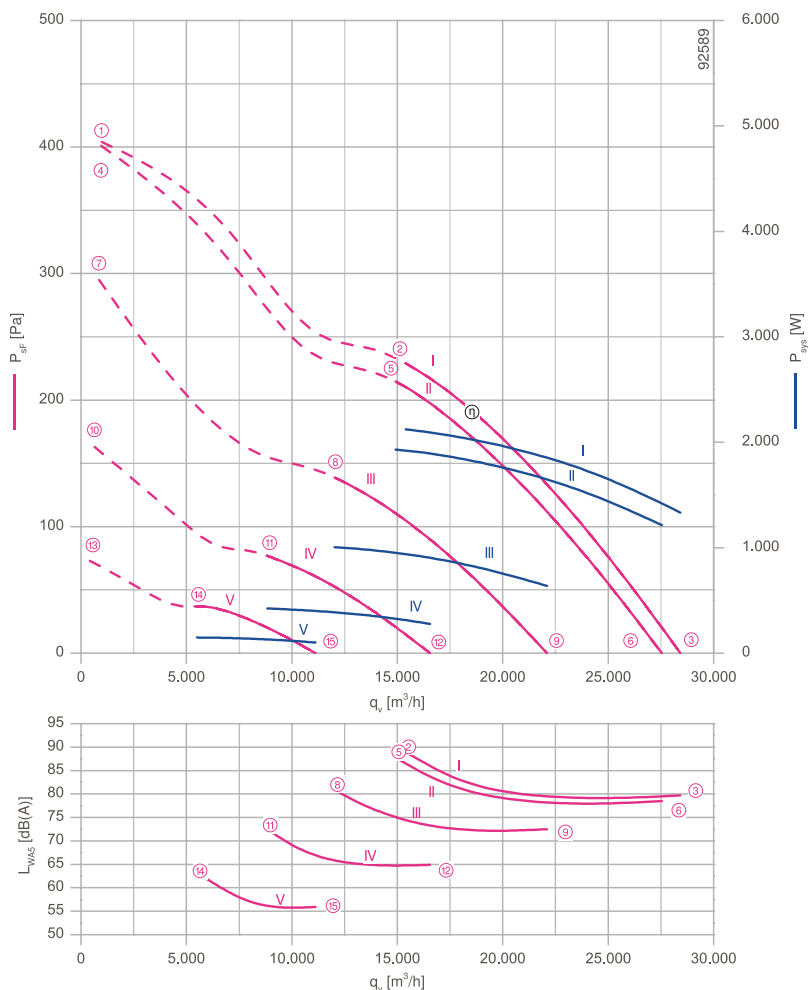
ErP Data

Efficiency η_{statA} : 53.6 %
 Efficiency: $N_{actual} = 58.0 / N_{target} = 40^{**}$
 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.

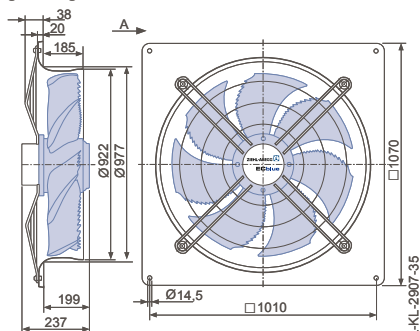
Connection diagram 1360-401 Page 607

System components Page 524

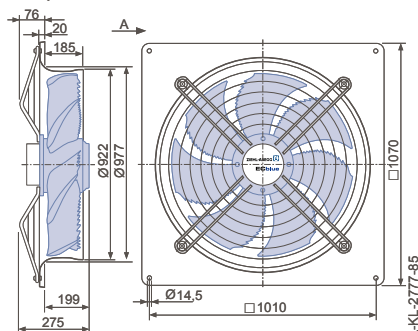
Dimensions [mm]

Airflow direction A

Design Q full bell mouth, square without guard grill



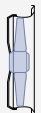
Design Q full bell mouth, square with contact protection



	curve	n [min ⁻¹]		I [A]	power P _{sys} [W]	sound power level L _{WAS} [dB]	media tempera- ture t _R [°C]
FN091-ZI_GG_5P1	I	950	①	8.20	3100		55
		950	②	5.60	2100	89	
		950	③	3.50	1350	80	
	II	920	④	8.20	3100		60
		920	⑤	5.00	1950	88	
		920	⑥	3.20	1200	79	
	III	740	⑦	4.80	1850		
		740	⑧	2.70	1000	81	
		740	⑨	1.70	640	73	
	IV	550	⑩	2.00	740		
		550	⑪	1.20	420	73	
		550	⑫	0.82	280	65	
	V	370	⑬	0.74	240		
		370	⑭	0.52	150	61	
		370	⑮	0.42	100	56	

Current values determined at 230V

Fan ordering information

Airflow direction A			Airflow direction V
Design	Q (without contact protection)	Q (with contact protection)	Q
			
Type	FN091-ZIQ.GG.A5P1	FN091-ZIQ.GG.A5P1	FN091-ZIQ.GG.V5P1
Basic electronics			
Article no.	159870	159872	159864
Premium electronics			
Article no.	159871	159873	159865
Weight [kg]	47.30	56.10	51.80

Control technology

Control module	Operating terminal	Expansion module
		
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Airflow direction V

Design Q - square, full bell mouth

