



Description

Motor technology: EC
 Rated voltage U: 3~ 380-480 V*
 Rated frequency f: 50/60 Hz*
 Motor input power P_{sys} : 1.95 kW*
 Rated current I: 3.20-2.50 A*
 Rated speed n_{max} : 930 min⁻¹*
 Thermal class: THCL155*
 Min. permitted conveyor temperature $t_{R(min)}$: -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: Aluminium, uncoated
 Rotor: Steel, 2 coat paint, Ultramarine blue
 Conformity: ErP 2015, CE, UL

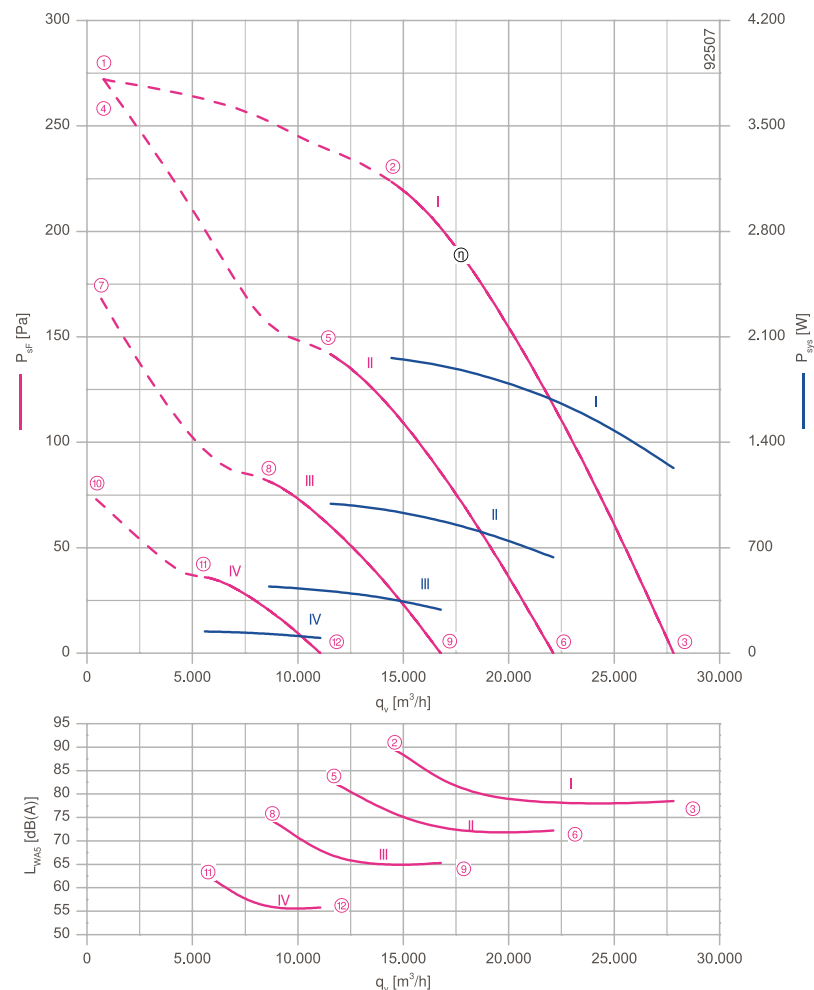
ErP Data

Efficiency η_{statA} : 53.8 %
 Efficiency: $N_{actual} = 58.4 / N_{target} = 40^{**}$
 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.

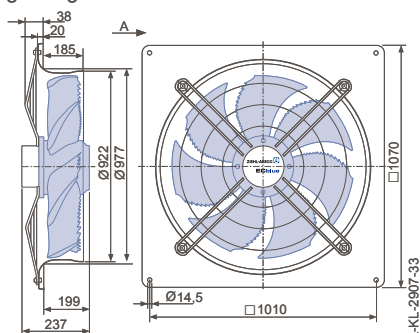
Connection diagram 1360-401 Page 607

System components Page 524

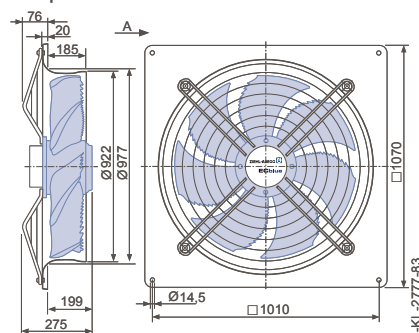
Dimensions [mm]

Airflow direction A

Design Q full bell mouth, square without guard grill



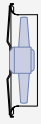
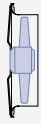
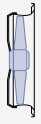
Design Q full bell mouth, square with contact protection



		n [min ⁻¹]		I [A]	P _{sys} [W]	power level L _{WA5} [dB]
FN091-ZI_GG._5P1	I	930	①	2.50	1600	
		930	②	3.00	1950	90
		930	③	1.95	1250	79
	II	740	④	2.50	1600	
		740	⑤	1.60	1000	83
		740	⑥	1.10	640	72
	III	560	⑦	1.30	780	
		560	⑧	0.86	440	75
		560	⑨	0.64	290	65
	IV	370	⑩	0.56	230	
		370	⑪	0.40	140	62
		370	⑫	0.32	100	56

Current values determined at 400V

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.	154845	154849	154833	
Premium electronics				
Article no.	154846	154850	154834	
Weight [kg]	47.30	51.90	51.80	

Control technology

Control module	Operating terminal	Expansion module
		
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Airflow direction V

Design Q - square, full bell mouth

