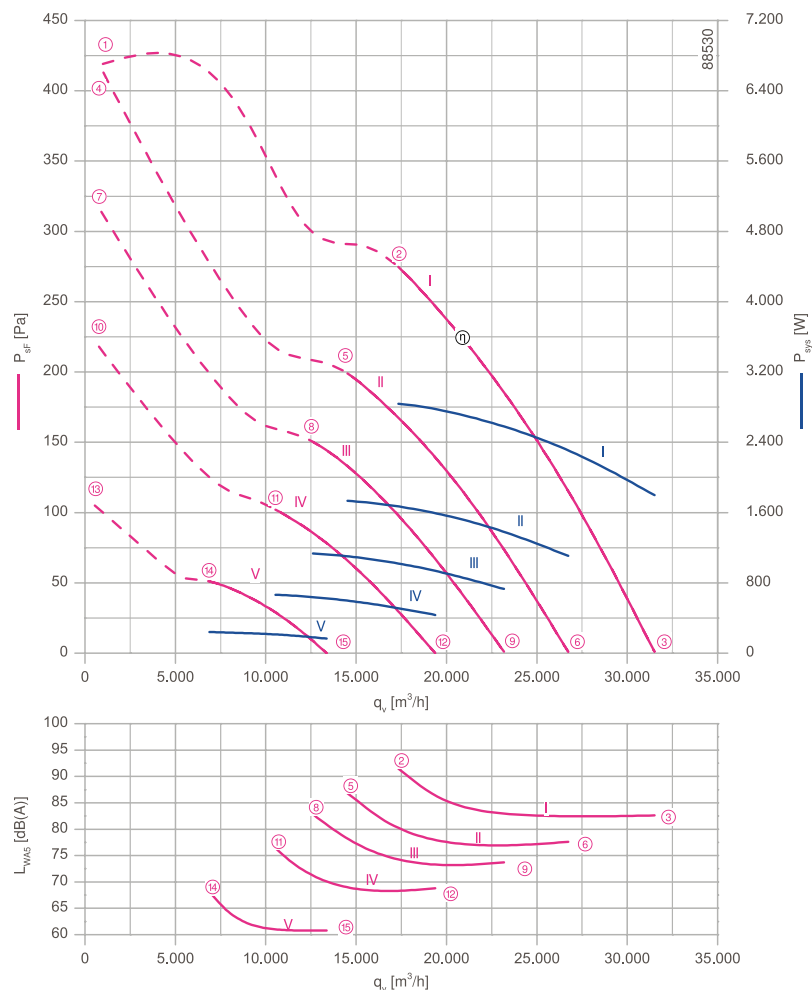




Description

Motor technology: EC
 Rated voltage U: 3~ 200-240 V*
 Rated frequency f: 50/60 Hz*
 Motor input power P_{sys} : 2.80 kW*
 Rated current I: 8.60- 7.20 A*
 Rated speed n_{max} : 1060 min⁻¹*
 Thermal class: THCL155*
 Min. permitted conveyor temperature $t_{R(min)}$: -35 °C
 Max. permitted conveyor temperature $t_{R(max)}$: 40 °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} : 52.7 %
 Efficiency: $N_{actual} = 56.3 / N_{target} = 40^{**}$
 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.

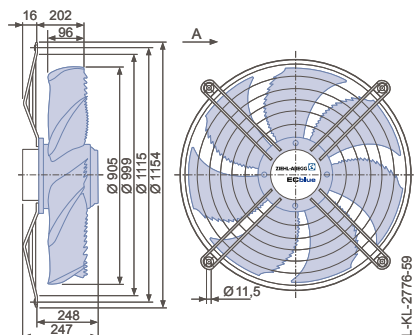
Connection diagram 1360-401 Page 607

System components Page 524

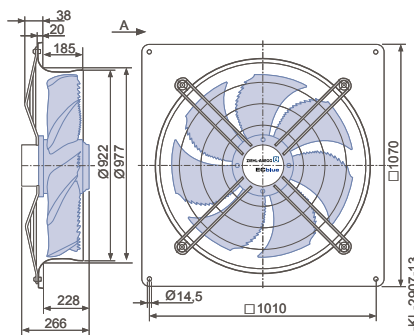
Dimensions [mm]

Airflow direction A

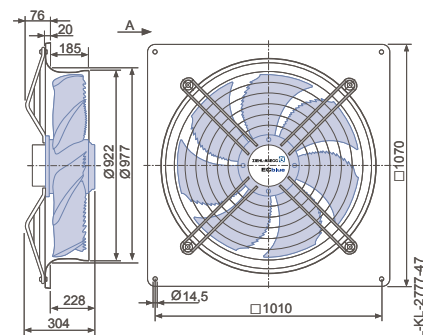
Design D - axial bolted, suspension for full bell mouth Q and L



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 _{WA5} [dB]	media tempera- ture t _R [°C]
FN091-ZI_GL_5P1	I	1060	①	8.40	3200		40
		1060	②	7.60	2800	92	
		1060	③	4.80	1800	83	
	II	900	④	8.20	3100		60
		900	⑤	4.60	1750	87	
		900	⑥	2.90	1100	78	
	III	780	⑦	5.40	2000		
		780	⑧	3.00	1150	83	
		780	⑨	1.95	740	74	
	IV	650	⑩	3.10	1200		
		650	⑪	1.80	660	77	
		650	⑫	1.20	440	69	
	V	450	⑬	1.15	400		
		450	⑭	0.72	240	67	
		450	⑮	0.56	170	61	

Current values determined at 230V

Fan ordering information

Airflow direction A				Airflow direction V		
Design	D	Q (without contact protection)	Q (with contact protection)	Q	S	I
						
Type	FN091-ZID.GL.A5P1	FN091-ZIQ.GL.A5P1	FN091-ZIQ.GL.A5P1	FN091-ZIQ.GL.V5P1	FN091-ZIS.GL.V5P1	FN091-ZII.GL.V5P1
Basic electronics						
Article no.	155735	155737	155739	155731	155725	155729
Premium electronics						
Article no.	155736	155738	155740	155732	155726	155730
Weight [kg]	34.90	51.50	56.10	56.00	39.40	38.90

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
