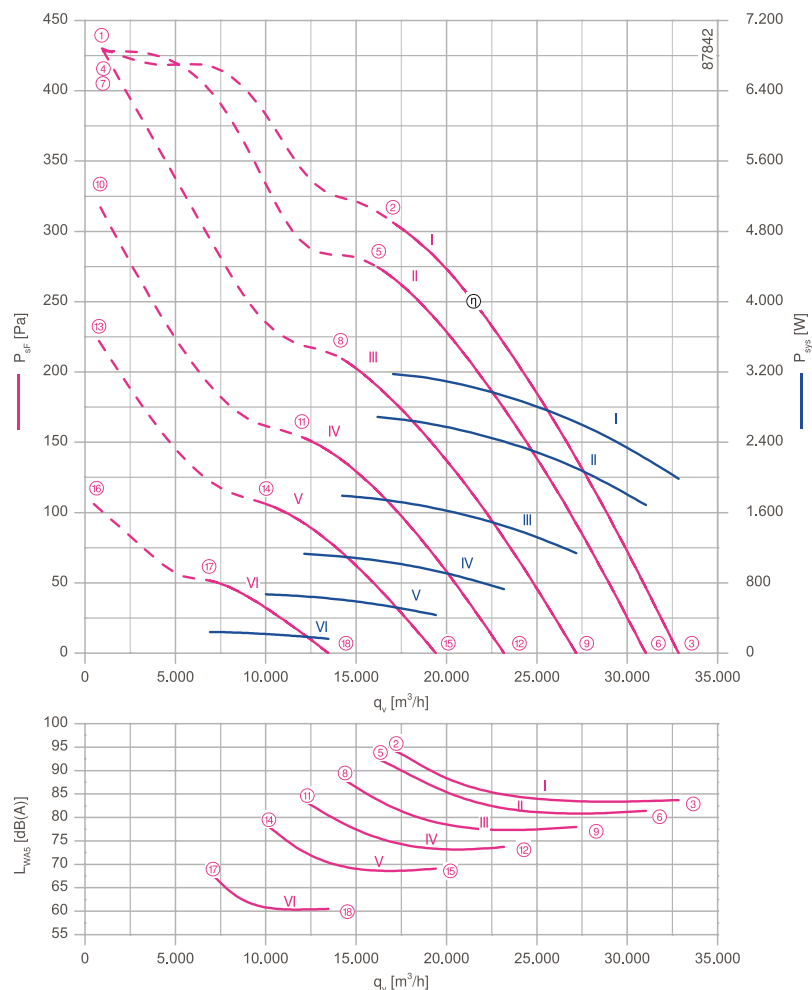




Description

Motor technology: EC
 Rated voltage U: 3~ 380-480 V*
 Rated frequency f: 50/60 Hz*
 Motor input power P_{sys} : 3.20 kW*
 Rated current I: 5.00- 3.90 A*
 Rated speed n_{max} : 1100 min⁻¹*
 Thermal class: THCL155*
 Min. permitted conveyor temperature $t_{R(min)}$: -35 °C
 Max. permitted conveyor temperature $t_{R(max)}$: 50 °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} : 53.0 %
 Efficiency: $N_{actual} = 56.5 / N_{target} = 40^{**}$
 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.

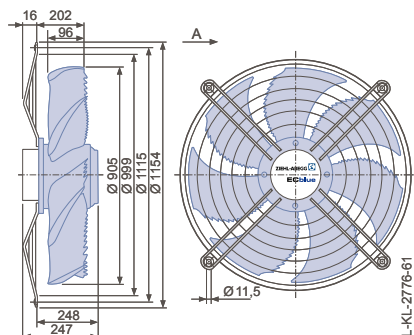
Connection diagram 1360-401 Page 607

System components Page 524

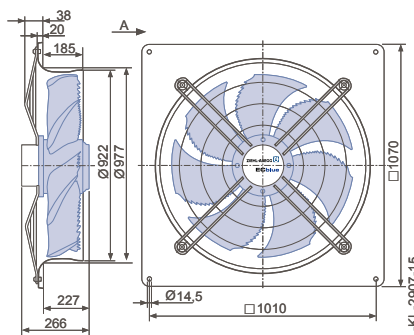
Dimensions [mm]

Airflow direction A

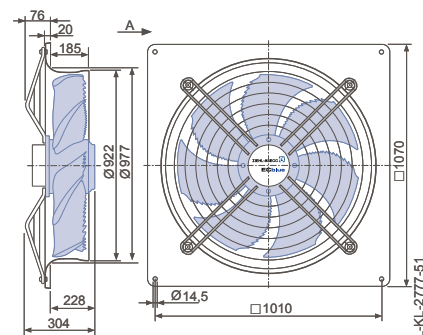
Design D - axial bolted, suspension for full bell mouth Q and L



Design Q full bell mouth, square without guard grill



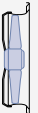
Design Q full bell mouth, square with contact protection



	curve	n [min ⁻¹]		I [A]	power P _{sys} [W]	sound power level L _{WAS} [dB]	media tempera- ture t _R [°C]
FN091-ZI_GL_5P1	I	1100	①	5.00	3300		50
		1100	②	4.80	3200	95	
		1100	③	3.00	2000	84	
	II	1040	④	5.00	3300		60
		1040	⑤	4.00	2700	93	
		1040	⑥	2.60	1700	81	
	III	910	⑦	5.00	3300		
		910	⑧	2.80	1800	89	
		910	⑨	1.80	1150	78	
	IV	780	⑩	3.10	2000		
		780	⑪	1.80	1150	84	
		780	⑫	1.20	720	74	
	V	650	⑬	1.85	1200		
		650	⑭	1.15	660	78	
		650	⑮	0.82	440	69	
	VI	450	⑯	0.78	400		
		450	⑰	0.58	240	68	
		450	⑱	0.44	160	61	

Current values determined at 400V

Fan ordering information

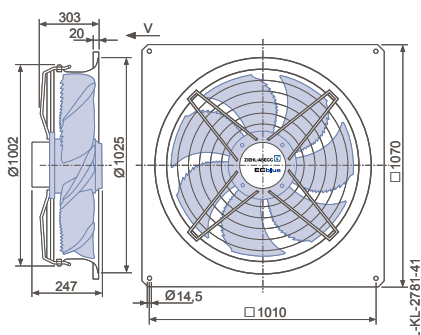
	Airflow direction A			Airflow direction V		
Design	D	Q (without contact protection)	Q (with contact protection)	Q	S	I
						
Type	FN091-ZID.GL.A5P1	FN091-ZIQ.GL.A5P1	FN091-ZIQ.GL.A5P1	FN091-ZIQ.GL.V5P1	FN091-ZIS.GL.V5P1	FN091-ZII.GL.V5P1
Basic electronics						
Article no.	154843	154847	154851	154835	154823	154831
Premium electronics						
Article no.	154844	154848	154852	154836	154824	154832
Weight [kg]	34.90	51.50	56.10	56.00	39.40	38.90

Control technology

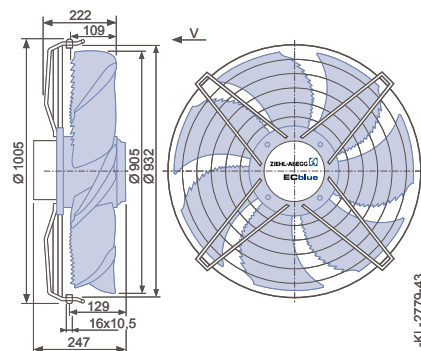
Control module	Operating terminal	Expansion module
		
➤ Page 540	➤ Page 551	➤ Page 550

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

