



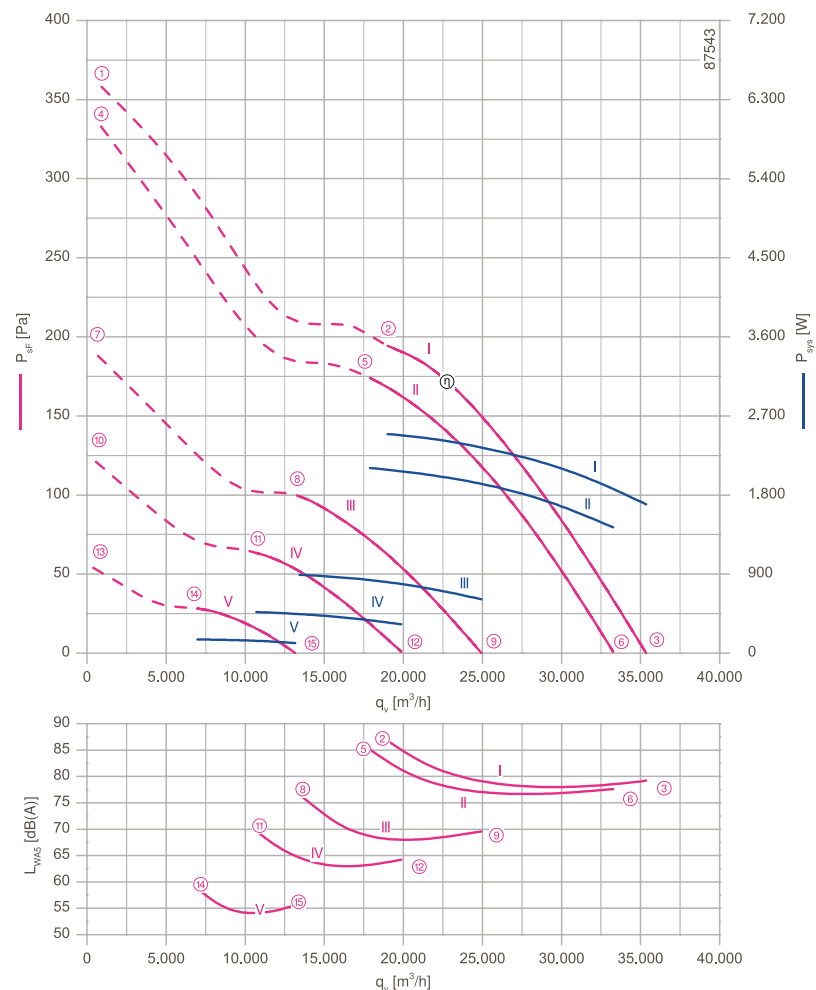
Description

Motor technology: EC
 Rated voltage U: 3~ 380-480 V*
 Rated frequency f: 50/60 Hz*
 Motor input power P_{sys} : 2.50 kW*
 Rated current I: 4.00- 3.20 A*
 Rated speed n_{max} : 850 min⁻¹*
 Thermal class: THCL155*
 Min. permitted conveyor temperature $t_{\text{R(min)}}$: -35 °C
 Max. permitted conveyor temperature $t_{\text{R(max)}}$: 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} : 48.7 %
 Efficiency: $N_{\text{actual}} = 52.7 / N_{\text{target}} = 40^{**}$
 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.

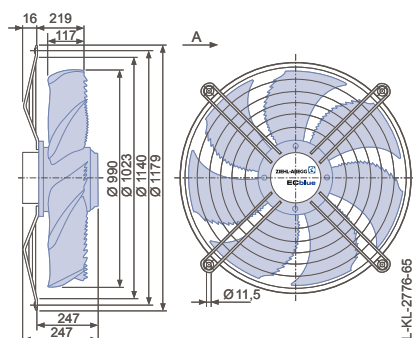
➤ Connection diagram 1360-401 Page 607

➤ System components Page 524

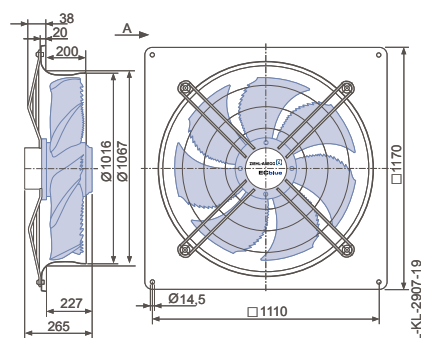
Dimensions [mm]

Airflow direction A

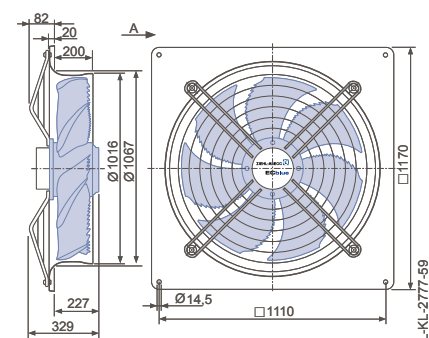
Design D - axial bolted, suspension for full bell mouth Q and L



Design Q full bell mouth, square without guard grill



Design Q full bell mouth, square with contact protection



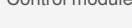
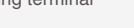
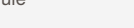
	curve	n		I	power	sound power level	media temperature
		[min ⁻¹]		[A]	P _{sys} [W]	L _{WAS} [dB]	t _R [°C]
FN100-ZI_GL_5P1	I	850	①	5.40	3600		55
		850	②	3.80	2500	87	
		850	③	2.60	1700	79	
	II	800	④	5.00	3300		60
		800	⑤	3.20	2100	86	
		800	⑥	2.20	1450	78	
	III	600	⑦	2.10	1350		70
		600	⑧	1.45	900	77	
		600	⑨	1.05	620	70	
	IV	480	⑩	1.20	700		
		480	⑪	0.86	460	70	
		480	⑫	0.68	330	64	
	V	320	⑬	0.54	230		
		320	⑭	0.42	160	59	
		320	⑮	0.36	110	56	

Current values determined at 400V

Fan ordering information

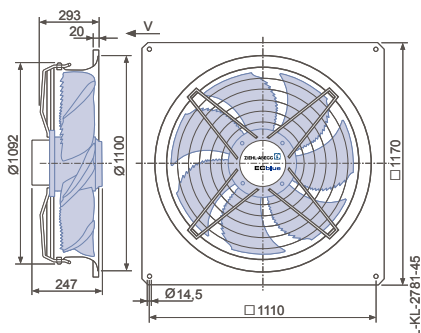
	Airflow direction A			Airflow direction V		
Design	D	Q (without contact protection)	Q (with contact protection)	Q	S	I
						
Type	FN100-ZID.GL.A5P1	FN100-ZIQ.GL.A5P1	FN100-ZIQ.GL.A5P1	FN100-ZIQ.GL.V5P1	FN100-ZIS.GL.V5P1	FN100-ZII.GL.V5P1
Basic electronics						
Article no.	154879	154883	154887	154871	154859	154867
Premium electronics						
Article no.	154880	154884	154888	154872	154860	154868
Weight [kg]	36.60	56.10	60.70	60.90	42.20	41.70

Control technology

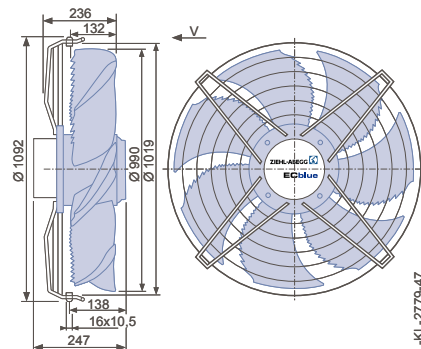
Control module  ➤ Page 540	Operating terminal  ➤ Page 551	Expansion module  ➤ Page 550
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Airflow direction V

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

