



Description

Motor technology: EC

Rated voltage U: 3~ 200-240 V*

Rated frequency f: 50/60 Hz*

Motor input power P_{sys} : **2.60 kW***

Rated current I: 7.90- 6.60 A*

Rated speed $n_{\max}$: 850 min

Thermal class: **THCL155***

Min. permitted conveyor temperature $t_{B(min)}$: -35 °C

Max. permitted conveyor temperature $t_{B(max)}$: 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} : 47.6 %

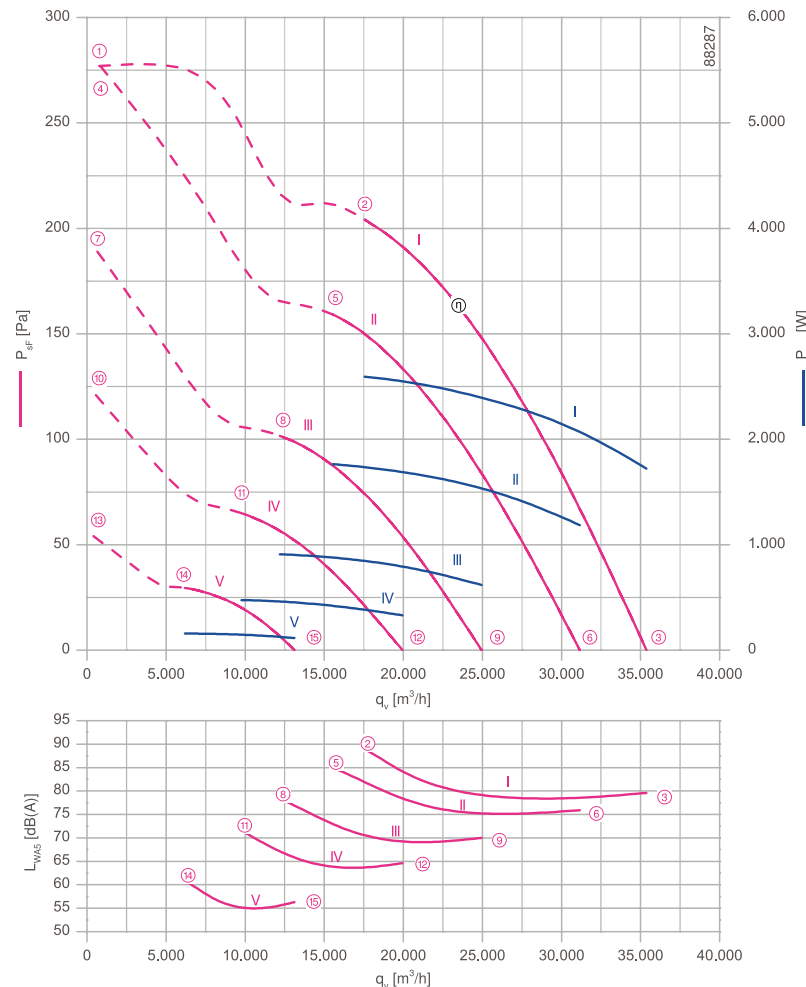
Efficiency: $N_{\text{actual}} = 51.5 / N_{\text{target}} = 40^{**}$

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.

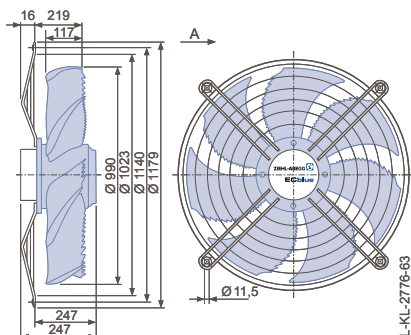
Connection diagram 1360-401 Page 607

System components Page 524

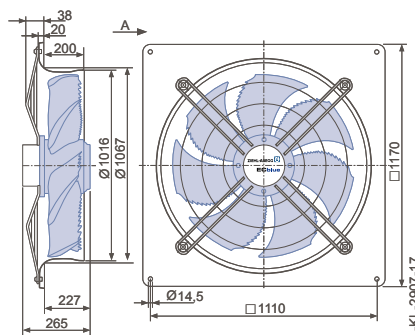
Dimensions [mm]

Airflow direction A

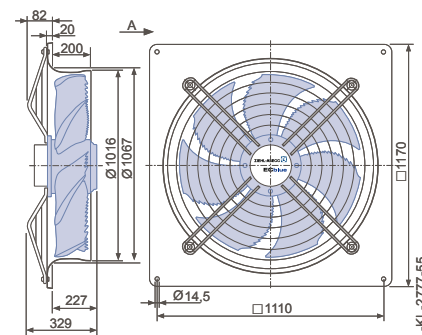
Design D - axial bolted, suspension for full bell mouth Q and L



Design Q full bell mouth, square without guard grill



Design Q full bell mouth, square with contact protection



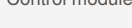
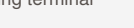
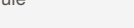
	curve	n [min ⁻¹]		I [A]	power	sound power level	media tempera- ture
					P _{sys} [W]	L _{WA5} [dB]	t _R [°C]
FN100-ZI_GL_5P1	I	850	①	6.60	2500		40
		850	②	6.80	2600	89	
		850	③	4.60	1700	80	
	II	750	④	6.60	2500		60
		750	⑤	4.60	1750	85	
		750	⑥	3.10	1200	76	
	III	600	⑦	3.70	1400		
		600	⑧	2.40	900	78	
		600	⑨	1.65	620	70	
	IV	480	⑩	1.90	720		
		480	⑪	1.30	480	72	
		480	⑫	0.94	330	65	
	V	320	⑬	0.70	230		
		320	⑭	0.54	160	60	
		320	⑮	0.44	110	56	

Current values determined at 230V

Fan ordering information

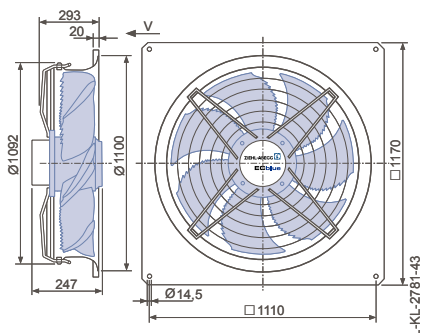
	Airflow direction A			Airflow direction V		
Design	D	Q (without contact protection)	Q (with contact protection)	Q	S	I
						
Type	FN100-ZID.GL.A5P1	FN100-ZIQ.GL.A5P1	FN100-ZIQ.GL.A5P1	FN100-ZIQ.GL.V5P1	FN100-ZIS.GL.V5P1	FN100-ZII.GL.V5P1
Basic electronics						
Article no.	155751	155753	155755	155747	155743	155745
Premium electronics						
Article no.	155752	155754	155756	155748	155744	155746
Weight [kg]	36.60	56.10	60.60	60.90	42.20	41.70

Control technology

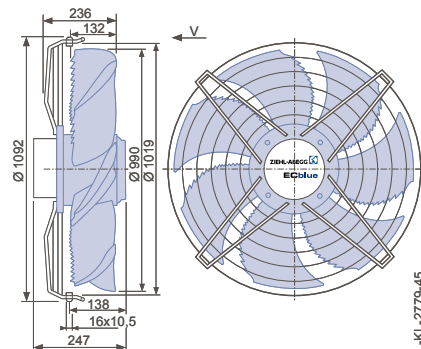
Control module  ➤ Page 540	Operating terminal  ➤ Page 551	Expansion module  ➤ Page 550
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Airflow direction V

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

