



Description

Motor technology: EC

Rated voltage U: 3~ 380-480 V*

Rated frequency f : **50/60 Hz***

Motor input power P_{sys} : 1.00 kW*

Rated current I: 1.70- 1.35 A*

Rated speed $n_{\max}$: **1550 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: 7

Protection class: IP54

Motor protection: Integrated active temperature management

Blades: High Performance Composite Material, uncoated, black

Rotor: Steel, 2 coat paint, Ultramarine blue

Conformity: ErP 2015, CE, UL

ErP Data

Efficiency η_{total} : 41.8 %

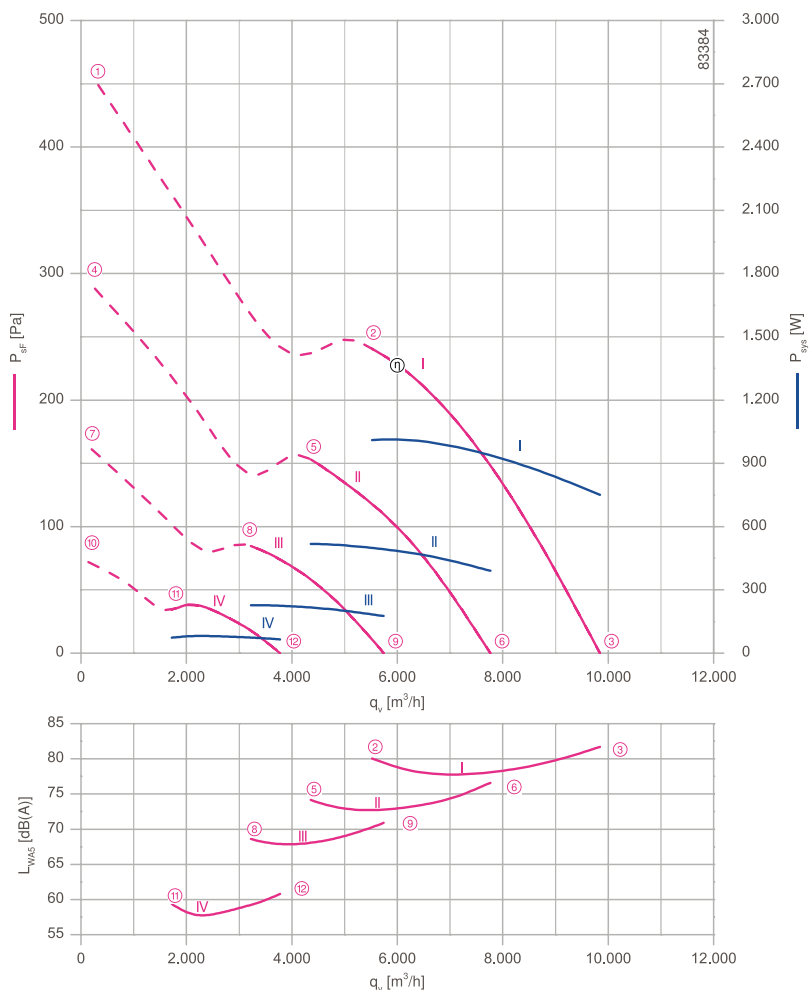
Efficiency: $N_{\text{actual}} = 46.5 / N_{\text{target}} = 40^{**}$

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.

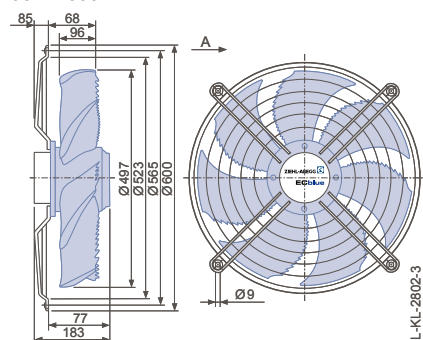
Connection diagram 1360-401 Page 607

System components Page 524

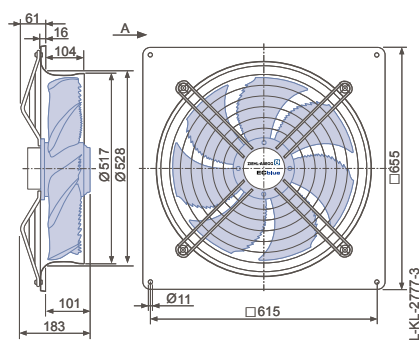
Dimensions [mm]

Airflow direction A

Design W - axial bolted, mounting for short bell mouth E



Design Q - square, full bell mouth



		n [min ⁻¹]		I [A]	P _{sys} [W]	power level L _{WA5} [dB]
FN050-ZI_DC_7P2	I	1550	①	2.10	1400	
		1550	②	1.60	1000	80
		1550	③	1.25	760	82
	II	1240	④	1.15	700	
		1240	⑤	0.92	520	74
		1240	⑥	0.76	390	77
	III	930	⑦	0.64	300	
		930	⑧	0.54	230	69
		930	⑨	0.46	180	71
	IV	620	⑩	0.33	100	
		620	⑪	0.29	80	58
		620	⑫	0.26	65	61

Current values determined at 400V

Fan ordering information

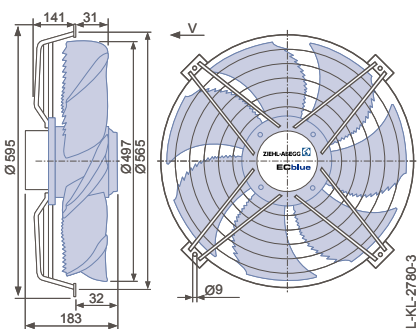
Airflow direction A				Airflow direction V	
Design	W	Q		K	Q
					
Type	FN050-ZIW.DC.A7P2	FN050-ZIQ.DC.A7P2		FN050-ZIK.DC.V7P2	FN050-ZIQ.DC.V7P2
Basic electronics					
Article no.	154371	154377		154395	154401
Premium electronics					
Article no.	154372	154378		154396	154402
Weight [kg]	12.30	18.70		13.90	17.60

Control technology

Control module	Operating terminal	Expansion module
		
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Airflow direction V

Design K - axial bolted, mounted for short bell mouth E



Design Q - square, full bell mouth

