

FE2owlet-ECblue

for single phase alternating current, 200-277 V

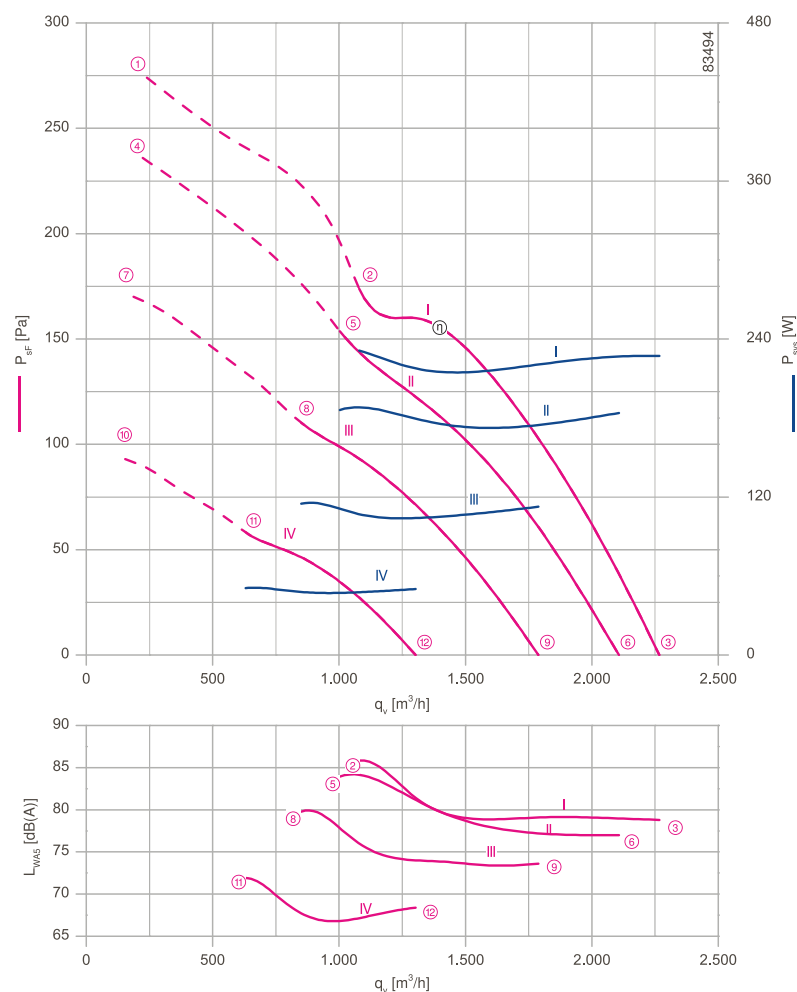
FN025



Description

Motor technology: EC
Rated voltage U: 1~ 200-277 V*
Rated frequency f: 50/60 Hz*
Motor input power P_{sys} : 0.23 kW*
Rated current I: 1.65- 1.20 A*
Rated speed n_{max} : 3250 min⁻¹*
Thermal class: THCL155*
Min. permitted conveyor temperature $t_{\text{R(min)}}$: -25 °C
Max. permitted conveyor temperature $t_{\text{R(max)}}$: 60 °C
Electrical connection: Integrated controller with attached cable
Number of blades: 7
Protection class: IP44
Motor protection: Integrated active temperature management
Blades: High Performance Composite Material, uncoated, black
Rotor: Steel, 1 coat paint, Ultramarine blue
Conformity: ErP 2015, CE
ErP Data
Efficiency η_{statA} : 31.7 %
Efficiency: $N_{\text{actual}} = 42.2 / N_{\text{target}} = 40^{**}$
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.

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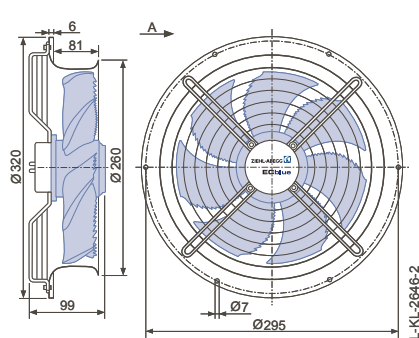
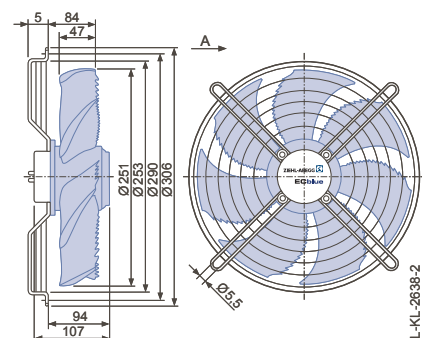
➤ System components Page 524

Dimensions [mm]

Airflow direction A

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

Design L - round, full bell mouth



Performance data

Type	Characteristic curve	Torque	Operating point	Current	Motor input power	Suction side sound power level
		%		I [A]	P _{sys} [W]	L _{WA5} [dB]
FN025-6I_OE_7	I	100	①	1.20	190	
		100	②	1.45	230	86
		100	③	1.45	230	79
	II	80	④	0.98	150	
		80	⑤	1.20	190	84
		80	⑥	1.20	180	77
	III	60	⑦	0.62	90	
		60	⑧	0.78	110	80
		60	⑨	0.76	110	74
	IV	40	⑩	0.31	42	
		40	⑪	0.38	50	72
		40	⑫	0.37	50	68

Current values determined at 230V

Fan ordering information

Airflow direction A			Airflow direction V		
Design	D	L	K	H	I
					
Type	FN025-6ID.OE.A7	FN025-6IL.OE.A7	FN025-6IK.OE.V7	FN025-6IH.OE.V7	FN025-6II.OE.V7
Article no.	140030	140034	140050	140046	140042
Weight [kg]	3.00	4.00	3.40	4.00	3.00

Control technology

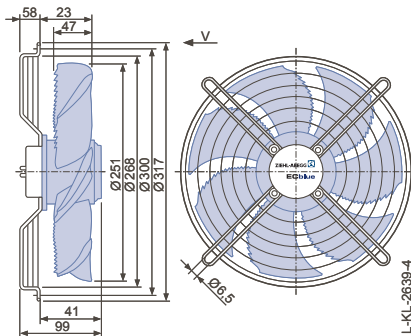
Control module



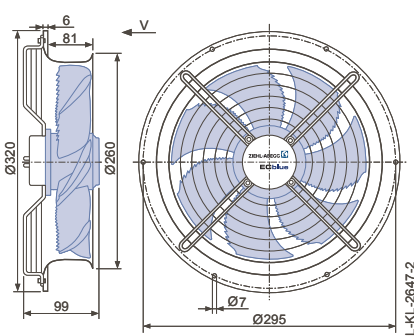
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Airflow direction V

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



Design H - pipe sockets with a flange



Design I - axial bolted, mounting for bell mouth flange for pipe socket H or full bell mouth Q or L

