



Description

Motor technology: EC

Rated voltage U: 1~ 200-277 V*

Rated frequency f: 50/60 Hz*

Motor input power P_{cve} : 0.45 kW*

Rated current I: **2.40- 1.75 A***

Rated speed $n_{\max}$: **1800 min⁻¹***

Thermal class: **THCL155***

Min. permitted conveyor temperature $t_{B(min)}$: -25 °C

Max. permitted conveyor temperature $t_{R(max)}$: 60 °C

Electrical connection: Integrated controller with attached cable

Number of blades: 7

Protection class: IP54

Motor protection: Integrated active temperature management
Blades: High Performance Composite Material, uncoated,
black

Rotor: Aluminium, 1 coat paint, Ultramarine blue

Conformity: ErP 2015, CE

ErP Data

Efficiency η_{statA} : 44.6 %

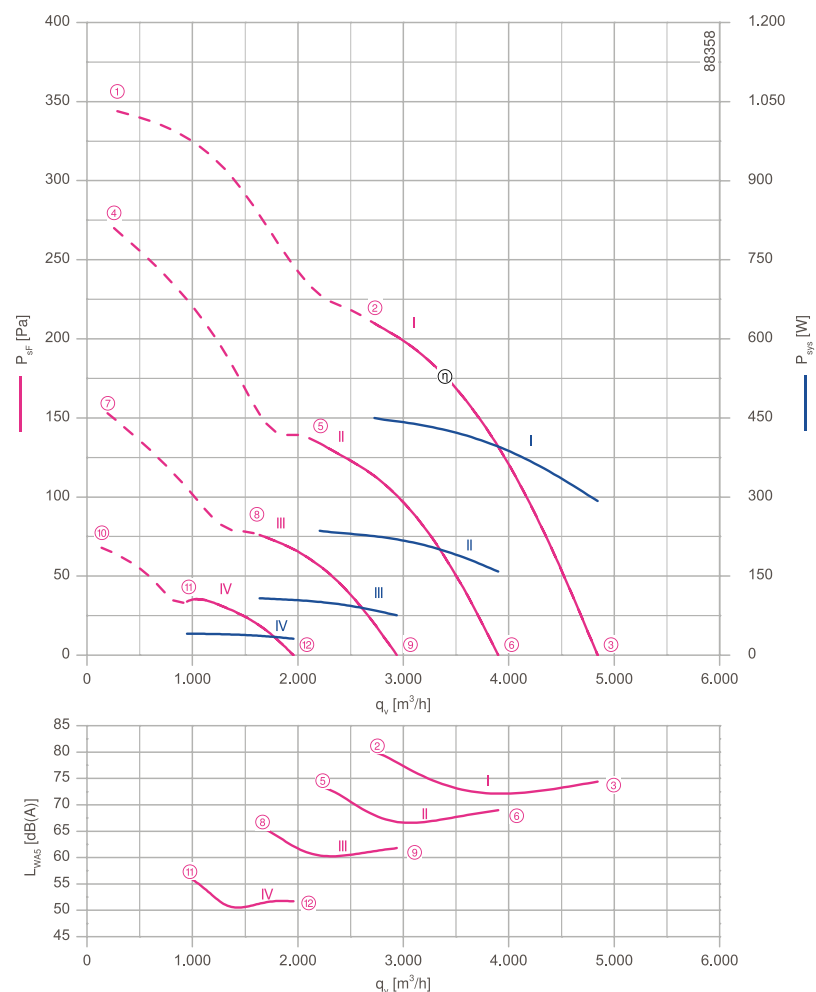
Efficiency: $N_{\text{actual}} = 53.3 / N_{\text{target}} = 40^{**}$

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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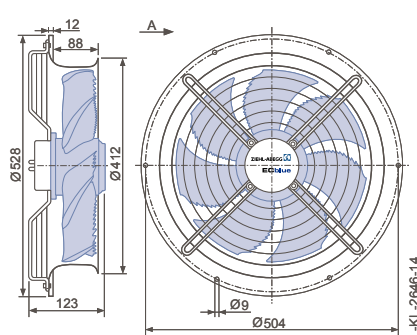
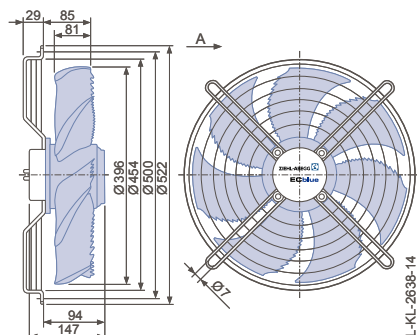
System components Page 524

Dimensions [mm]

Airflow direction A

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

Design L - round, full bell mouth



		n [min ⁻¹]		I [A]	P _{sys} [W]	power level L _{WA5} [dB]
FN040-6I_BF_7P1	I	1800	①	2.20	480	
		1800	②	2.10	440	80
		1800	③	1.40	290	74
	II	1440	④	1.55	330	
		1440	⑤	1.15	240	74
		1440	⑥	0.78	160	69
	III	1080	⑦	0.74	150	
		1080	⑧	0.54	110	66
		1080	⑨	0.40	75	62
	IV	720	⑩	0.29	55	
		720	⑪	0.24	40	55
		720	⑫	0.20	32	52

Current values determined at 230V

Fan ordering information

Airflow direction A			Airflow direction V		
Design	D	L	K	H	I
					
Type	FN040-6ID.BF.A7P1	FN040-6IL.BF.A7P1	FN040-6IK.BF.V7P1	FN040-6IH.BF.V7P1	FN040-6II.BF.V7P1
Article no.	140603	140606	140621	140618	140615
Weight [kg]	6.10	8.70	6.60	8.80	6.10

Control technology

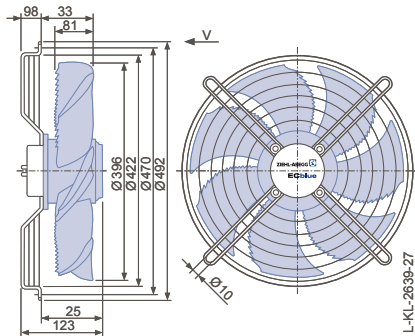
Control module



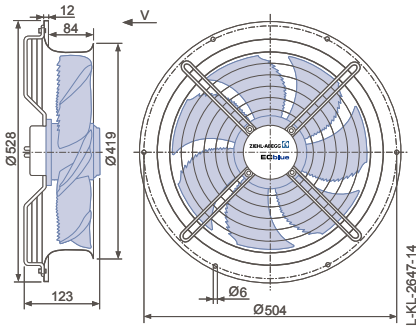
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Airflow direction V

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

