



Description

Motor technology: EC

Rated voltage U: 1~ 200-277 V*

Rated frequency f: 50/60 Hz*

Motor input power P_{cve} : 0.36 kW*

Rated current I: **1.95- 1.40 A***

Rated speed n_{rated} : 1500 m

Rated speed $n_{\max}$: 1500 min⁻¹
Thermal class: **THCL155***

Min. permitted conveyor temperature $t_{D(min)}$: -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} : 42.9 %

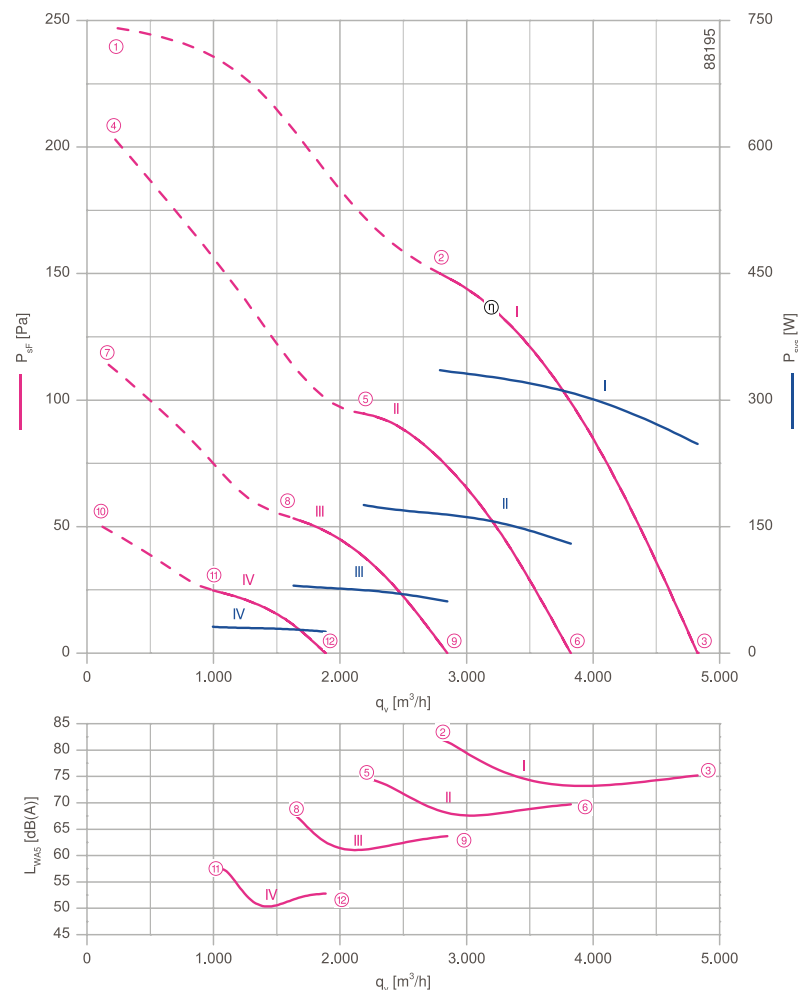
Efficiency: $N_{\text{actual}} = 52.2 / N_{\text{target}} = 40^{**}$

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.

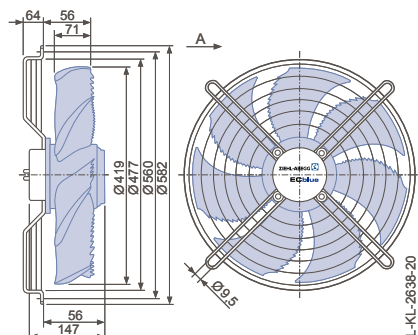
 Connection diagram
 KT00044A
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System components Page 524

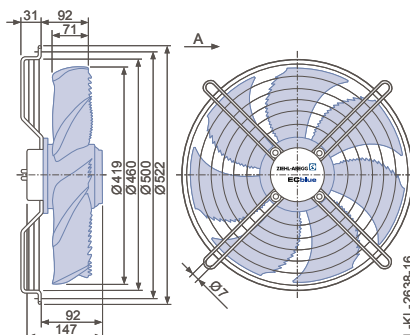
Dimensions [mm]

Airflow direction A

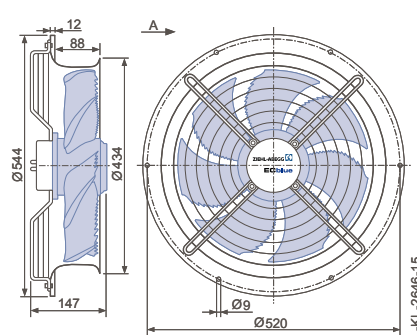
Design W - axial bolted, mounting for short bell mouth E



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 _{WAS} [dB]
FN042-6I_BF_7P1	I	1500	①	1.60	350	
		1500	②	1.55	340	82
		1500	③	1.15	250	75
	II	1200	④	1.20	260	
		1200	⑤	0.86	180	75
		1200	⑥	0.64	130	70
	III	900	⑦	0.58	110	
		900	⑧	0.42	80	68
		900	⑨	0.34	60	64
	IV	600	⑩	0.24	40	
		600	⑪	0.19	30	57
		600	⑫	0.17	26	53

Current values determined at 230V

Fan ordering information

	Airflow direction A			Airflow direction V	
Design	W	D	L	H	I
					
Type	FN042-6IW.BF.A7P1	FN042-6ID.BF.A7P1	FN042-6IL.BF.A7P1	FN042-6IH.BF.V7P1	FN042-6II.BF.V7P1
Article no.	140610	140604	140607	140619	140616
Weight [kg]	6.50	6.20	8.90	8.60	6.20

Control technology

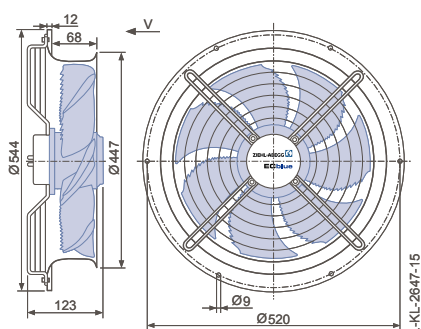
Control module



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Airflow direction V

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

