



Description

Motor technology: EC

Rated voltage U: 1~ 200-277 V*

Rated frequency f: 50/60 Hz*

Motor input power P_{ave} : **0.45 kW***

Rated current I: **2.40- 1.70 A***

Rated speed $n_{\max}$: **1950 min⁻¹***

Thermal class: **THCL155***

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

Max. permitted conveyor temperature $t_{B(max)}$: 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_{total} : 38.6 %

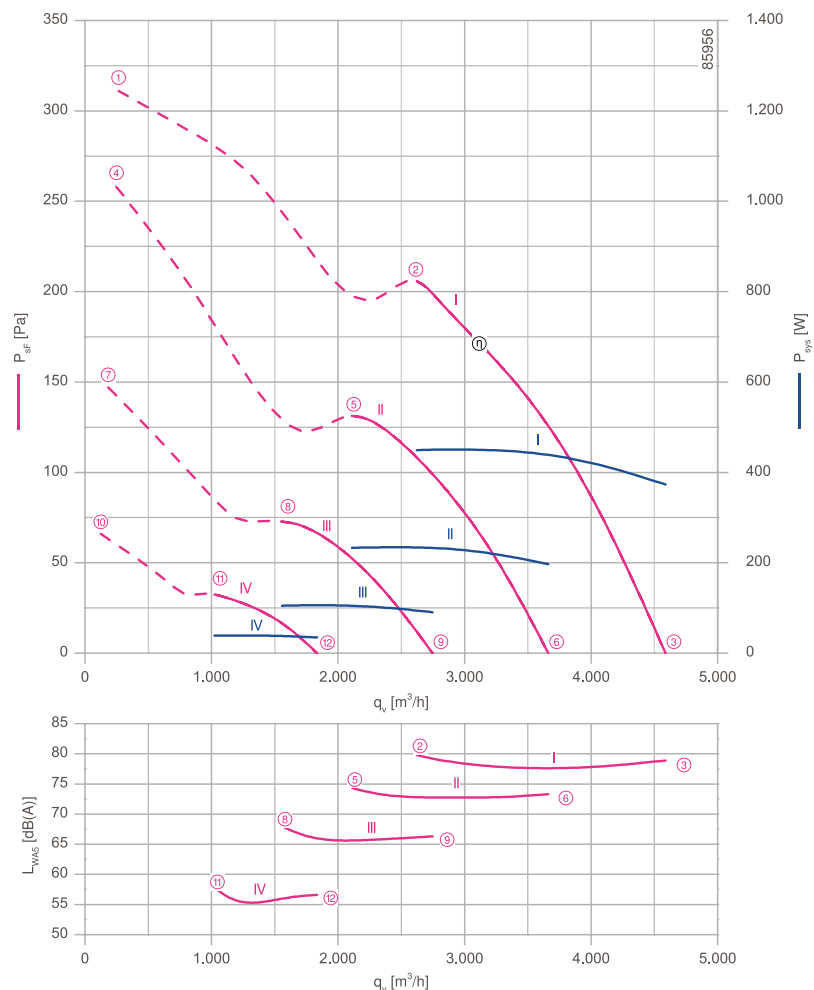
Efficiency: $N_{\text{actual}} = 47.2 / N_{\text{target}} = 40^{**}$

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.

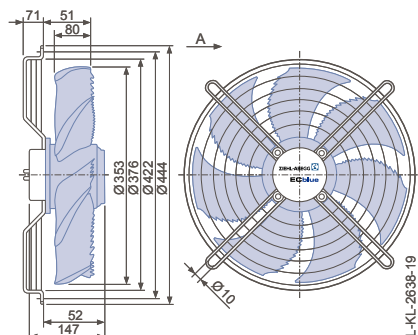
 Connection diagram
 KT00044A
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System components Page 524

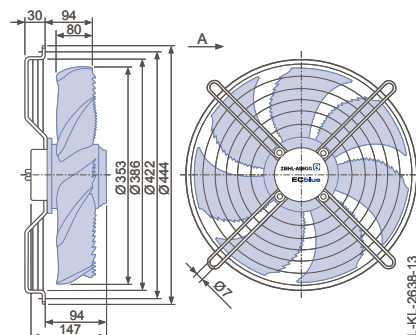
Dimensions [mm]

Airflow direction A

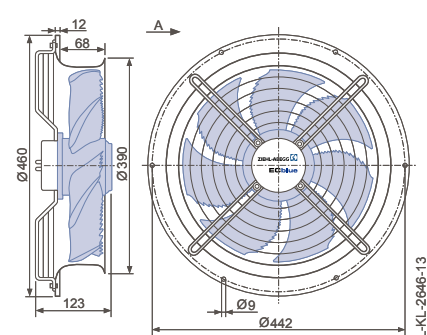
Design W - axial bolted, mounting for short bell mouth E



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



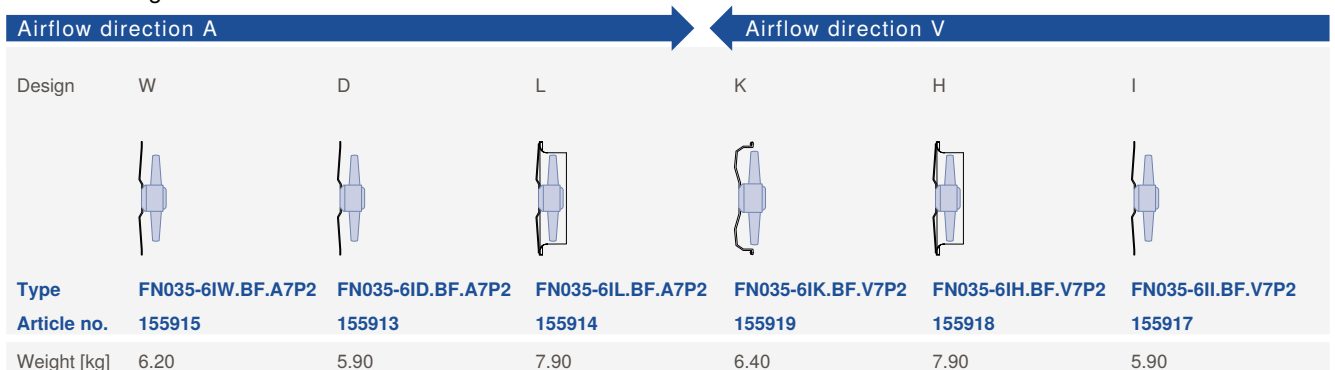
Design L - round, full bell mouth



		n		I	P _{sys}	power level
		[min ⁻¹]		[A]	[W]	L _{WAS} [dB]
FN035-6I_BF_7P2	I	1950	①	2.00	440	
		1950	②	2.10	440	80
		1950	③	1.75	370	79
	II	1560	④	1.55	340	
		1560	⑤	1.10	230	75
		1560	⑥	0.94	200	73
	III	1170	⑦	0.74	150	
		1170	⑧	0.54	110	68
		1170	⑨	0.48	90	66
	IV	780	⑩	0.29	50	
		780	⑪	0.23	40	58
		780	⑫	0.21	34	57

Current values determined at 230V

Fan ordering information



Control technology

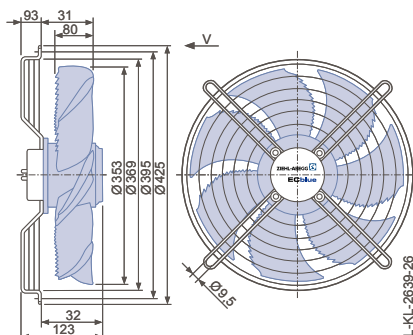
Control module



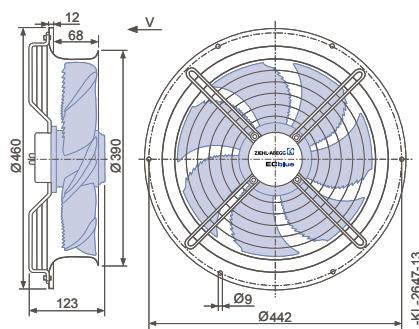
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Airflow direction V

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

