



Description

Motor technology: AC

Rated voltage U_N : 3~ 400 V (Δ/Y) ± 10 %*

Rated frequency f_N : 5 Hz*

Motor input power P_1 : 0.58/0.44 kW*

Rated current I_N : 1.05/0.71 A*

Rated speed n_N : 1350/1030 min⁻¹

Starting current I_A : 4.00 A / 1.20 A

Current increase ΔI : 10 %

Thermal class: THCL155*

Min. permitted conveyor temperature $t_{R(min)}$: -40 °C

Max. permitted conveyor temperature $t_{R(max)}$: 55 °C

Electrical connection: Terminal box

Number of blades: 4

Protection class: IP54

Motor protection: Thermal contact

Blades: Aluminium, uncoated

Rotor: Aluminium, uncoated

Conformity: ErP 2015, CE

ErP Data

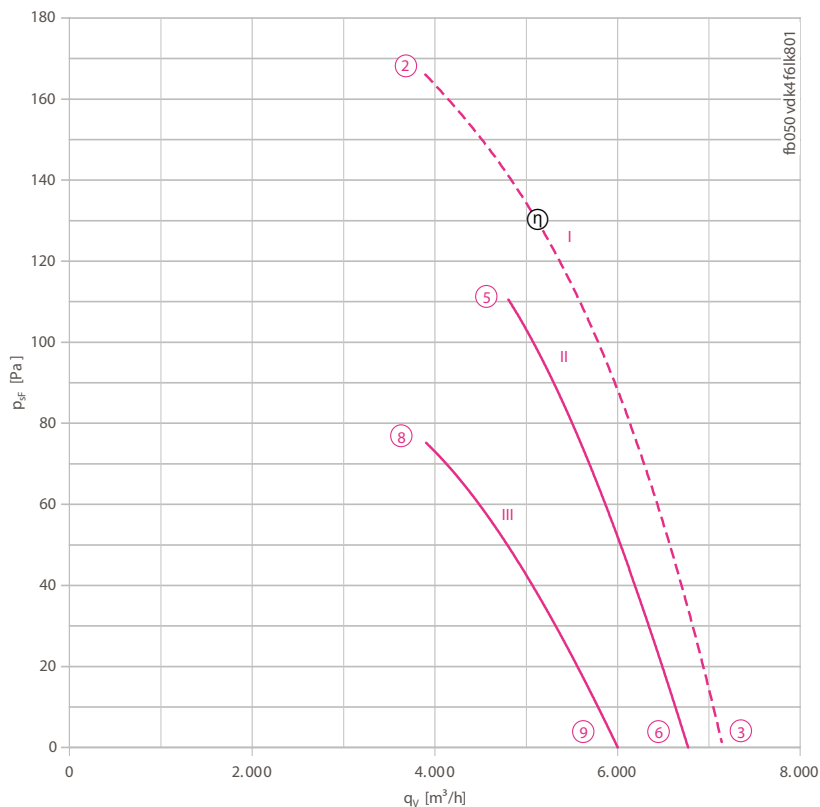
Efficiency η_{statA} : 37.7 %

Efficiency: $N_{actual} = 46.1 / N_{target} = 40$ **

* Rated data

**ErP 2015

Characteristic curve



I) Measured in full bell mouth without guard grille in installation type A according to ISO 5801.

II-x) Measured in short-bell mouth with compressed side contact protection.

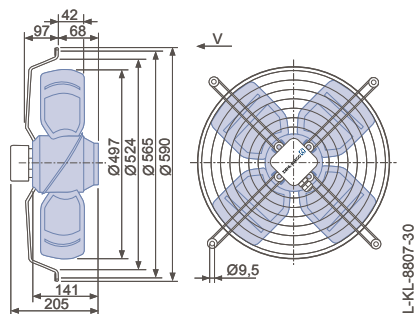
Connection diagram 1360-108XA Page 608

System components Page 524

Dimensions [mm]

Airflow direction V

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



		tic curve		point		power		sound power level	permitted media temperature
			U [V]		I [A]		P ₁ [W]		
FB050-VD_.4F.V4L	Δ	I	400*	②	1.05*	580*	1350*		55
			400	③	0.88	360	1410	76	70
		II	400	⑤	0.98	480	1380	76	
	400		⑥	0.85	350	1420	76		
	Y	III	400	⑧	0.62	360	1130	72	
			400	⑨	0.48	280	1260	73	

*rated data

Fan ordering information

Airflow direction V

Design K



Type **FB050-VDK.4F.V4L**

Article no. **124186**

Weight [kg] 9.50

Control technology

Frequency inverter
Fcontrol 3~



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Motor protection units
3~



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Transformer-based
controllers 3~



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Electronic voltage
controllers 3~



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