



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 : 0.82/0.55 kW*

Rated current I_N : 1.50/0.95 A*

Rated speed n_N : 1330/1030 min⁻¹

Starting current I_A : 5.70 A / 1.90 A

Current increase ΔI : 10 %

Thermal class: THCL155*

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

Max. permitted conveyor temperature $t_{R(max)}$: 50 °C

Electrical connection: Terminal box

Number of blades: 4

Protection class: IP54

Motor protection: Thermal contact

Blades: Aluminium, uncoated

Rotor: Aluminium, uncoated

Conformity: ErP 2013, CE

ErP Data

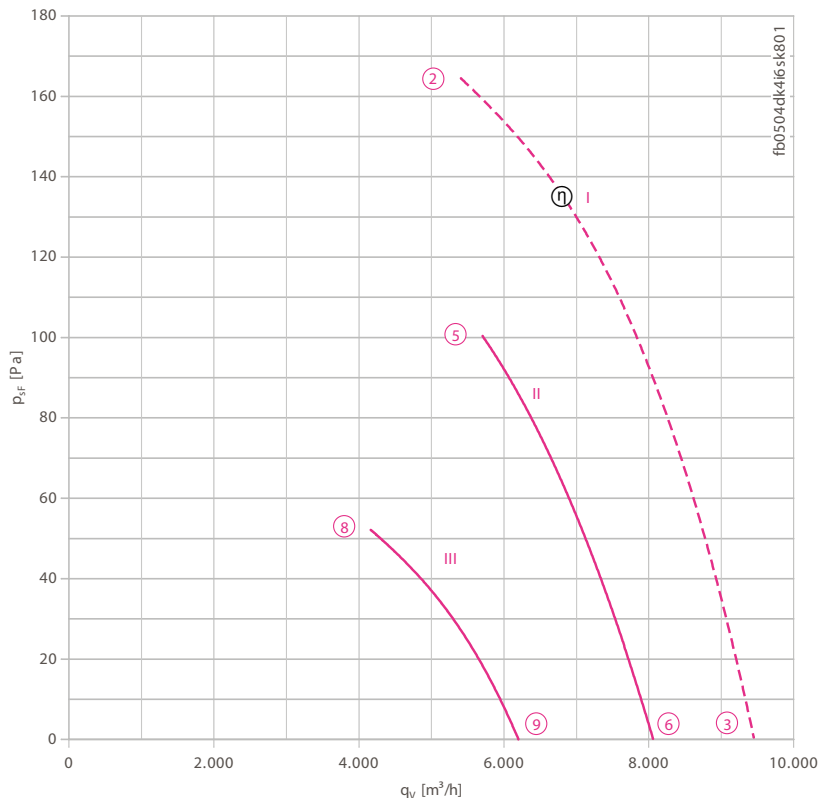
Efficiency η_{statA} : 29.9 %

Efficiency: $N_{actual} = 37.0 / N_{target} = 36$ **

* Rated data

**ErP 2013

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.

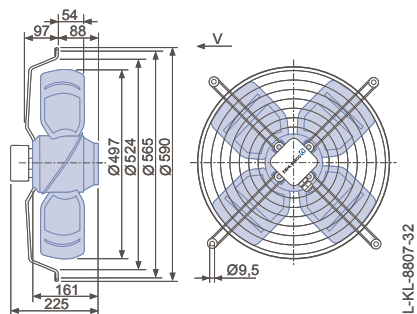
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System components Page 524

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]	n [min ⁻¹]	L _{WA5} [dB]	t _R [°C]	
FB050-VD_4I.V4S	Δ	I	400*	②	1.50*	820*	1330*		50	
			400	③	1.35	690	1360	83		
		II	400	⑤	1.30	720	1340	81	60	
			400	⑥	1.15	630	1360	80		
	Y	III	400	⑧	0.88	500	980	72		
			400	⑨	0.79	460	1040	73		

*rated data

Fan ordering information

Airflow direction V

Design K



Type **FB050-VDK.4I.V4S**

Article no. **107557**

Weight [kg] 11.30

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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