



Description

Motor technology: AC

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

Rated frequency f_N : 50 Hz*

Motor input power P_1 : 0.43/0.33 kW*

Rated current I_N : 0.79/0.53 A*

Rated speed n_N : 1370/1030 min⁻¹*

Starting current I_A : 3.10 A / 1.80 A

Current increase ΔI : 20 %

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

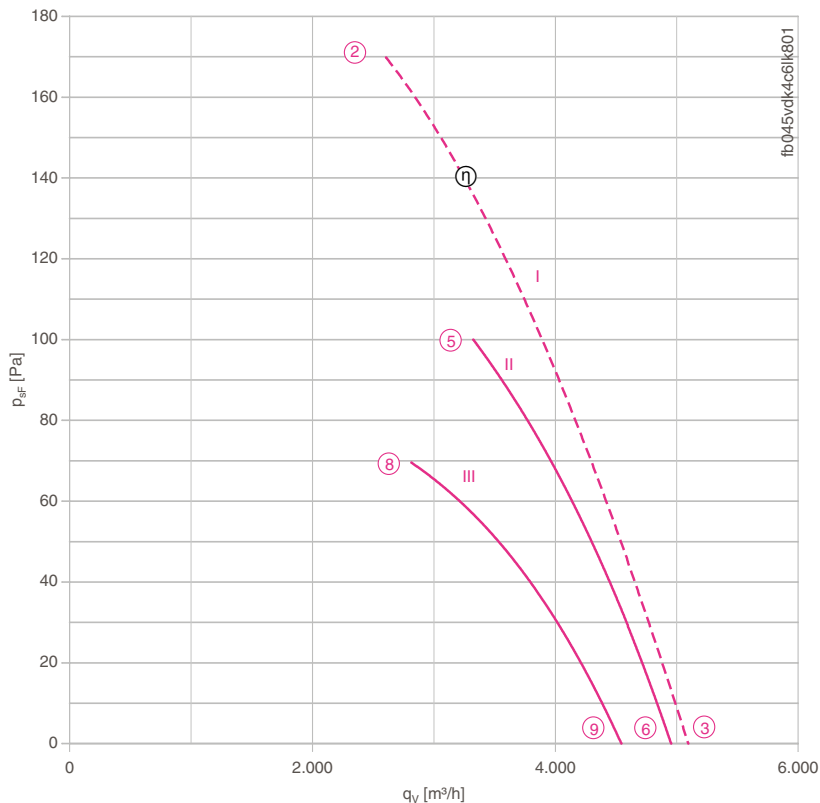
Efficiency η_{statA} : 36.6 %

Efficiency: $N_{actual} = 45.6 / N_{target} = 40$ **

* 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.

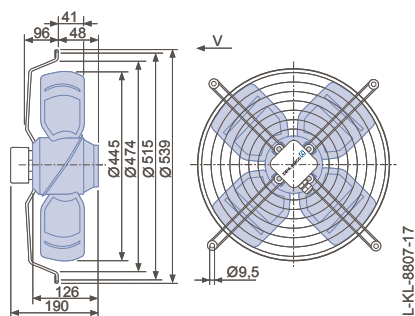
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Dimensions [mm]

Airflow direction V

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



		tic curve		point		power		sound power level	permitted media tem- perature
			U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WA5} [dB]	t _R [°C]
FB045-VD_4C.V4L	Δ	I	400*	②	0.79*	430*	1370*		55
			400	③	0.60	240	1435	75	
		II	400	⑤	0.61	300	1400	72	70
	Y		400	⑥	0.52	210	1440	72	
	III	400	⑧	0.39	240	1180	68		
		400	⑨	0.28	165	1310	70		

*rated data

Fan ordering information

Airflow direction V

Design K



Type **FB045-VDK.4C.V4L**

Article no. **124166**

Weight [kg] 7.70

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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