



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 : 0.63/0.43 kW*

Rated current I_N : 1.10/0.70 A*

Rated speed n_N : 1330/ 970 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

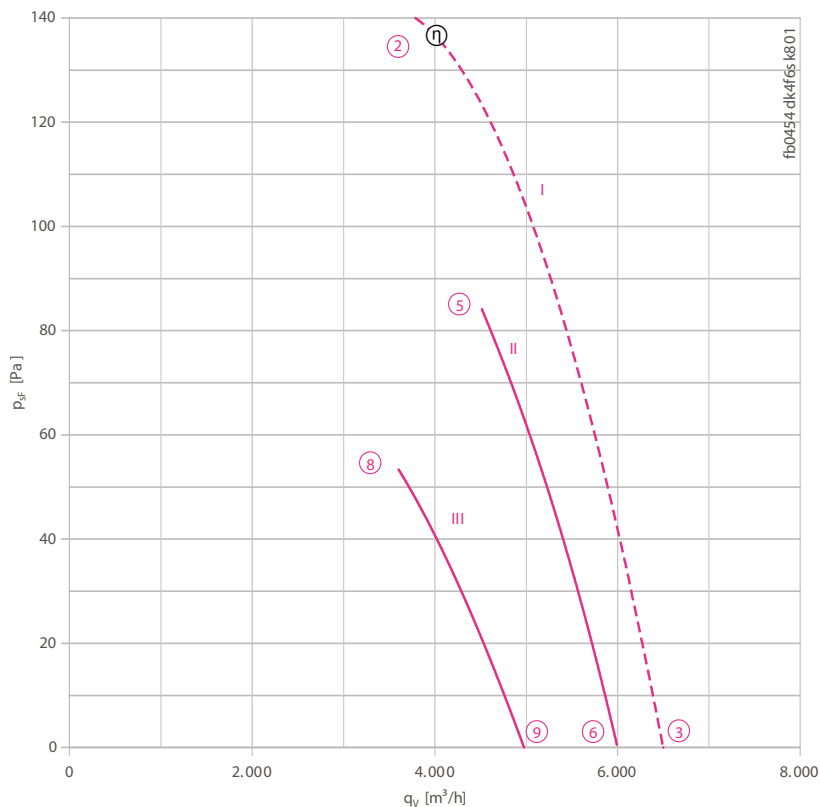
Efficiency η_{statA} : 32.0 %

Efficiency: $N_{actual} = 40.0 / N_{target} = 40$ **

* 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.

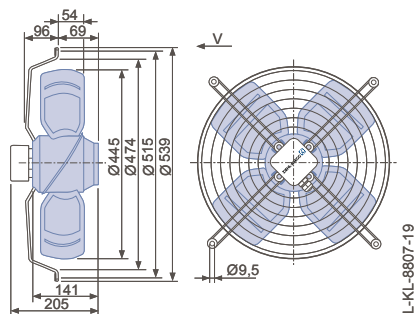
Connection diagram 1360-108XA Page 608

System components Page 524

Dimensions [mm]

Airflow direction V

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



		tic curve	U [V]	point	I [A]	power P ₁ [W]	n [min ⁻¹]	sound power level L _{WA5} [dB]	permitted media tem- perature t _R [°C]
FB045-VD_4F.V4S	Δ	I	400*	②	1.10*	630*	1330*		55
			400	③	0.90	430	1380	81	70
			400	⑤	0.92	460	1370	80	
	Y	II	400	⑥	0.86	410	1390	77	
			400	⑧	0.59	340	1100	75	
			400	⑨	0.54	310	1160	72	
			400						

*rated data

Fan ordering information

Airflow direction V

Design K



Type **FB045-VDK.4F.V4S**

Article no. **124167**

Weight [kg] 9.20

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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