



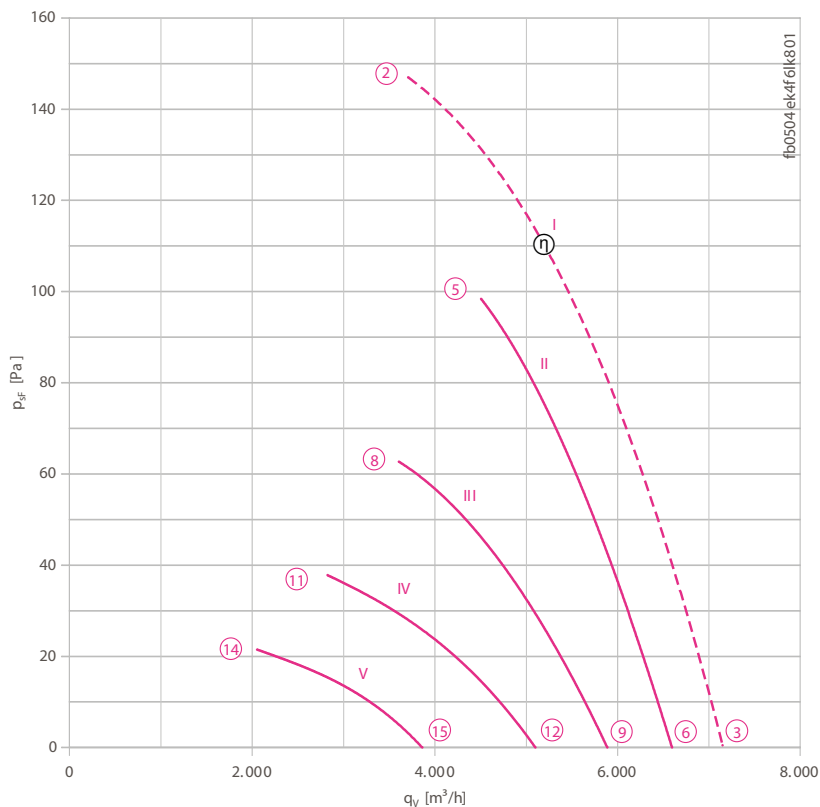
Description

Motor technology: AC
 Rated voltage U_N : 1~ 230 V $\pm$ 10 %*
 Rated frequency f_N : 50 Hz*
 Motor input power P_1 : 0.57 kW*
 Rated current I_N : 2.50 A*
 Rated speed n_N : 1240 min⁻¹*
 Starting current I_A : 4.60 A
 Current increase ΔI : 0 %
 Service capacitor C_{400V} : 10.0 μ F
 Thermal class: **THCL155***
 Min. permitted conveyor temperature $t_{R(min)}$: -25 °C
 Max. permitted conveyor temperature $t_{R(max)}$: 60 °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} : 31.0 %
 Efficiency: $N_{actual} = 41.1 / N_{target} = 40$ **
 Frequency inverter required
 * 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.

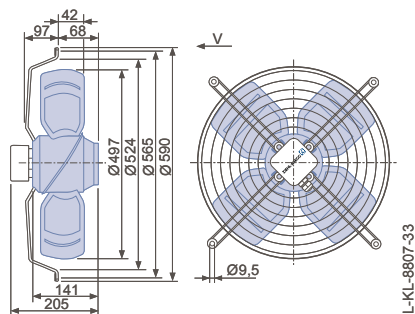
Connection diagram 1360-104XA Page 608

System components Page 524

Dimensions [mm]

Airflow direction V

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



	curve	U [V]	point	I [A]	power P ₁ [W]	n [min ⁻¹]	sound power level L _{WA5} [dB]	media tem- perature t _R [°C]
FB050-4E_4F.V4L	I	230*	②	2.50*	570*	1240*		60
		230	③	1.80	380	1360	75	
	II	230	⑤	2.20	490	1300	75	70
		230	⑥	1.75	390	1370	76	
	III	160	⑧	2.30	350	1060	70	
		160	⑨	1.80	290	1220	73	
	IV	130	⑪	2.20	270	810	64	
		130	⑫	1.90	240	1050	69	
	V	105	⑭	1.90	190	610	57	
		105	⑮	1.80	180	790	62	

*rated data

Fan ordering information

Airflow direction V

Design

K



Type

FB050-4EK.4F.V4L

Article no.

107779

Weight [kg]

9.50

Control technology

Frequency inverter
Fcontrol 1~



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Motor protection units
1~



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Transformer-based
controllers 1~



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Electronic voltage
controllers 1~



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