

# FC

for three phase alternating current, 6-6 pole

FC080-SD

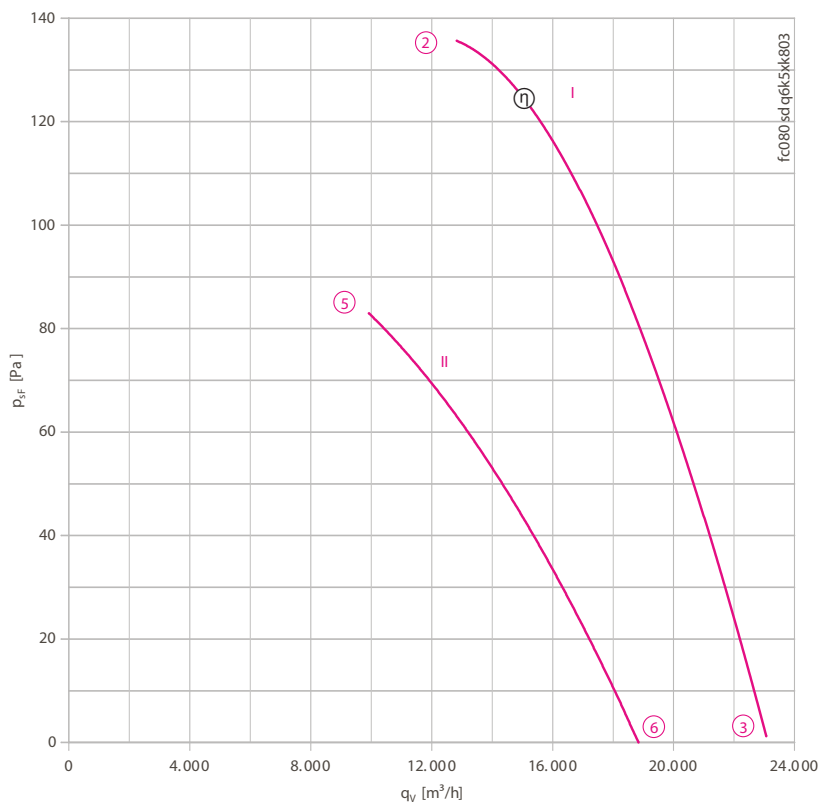


## Description

Motor technology: AC  
 Rated voltage  $U_N$ : 3- 400 V ( $\Delta/Y$ )  $\pm 10$  %\*  
 Rated frequency  $f_N$ : 50 Hz\*  
 Motor input power  $P_1$ : 1.40/0.94 kW\*  
 Rated current  $I_N$ : 2.70/1.70 A\*  
 Rated speed  $n_N$ : 900/ 690 min<sup>-1</sup>\*  
 Starting current  $I_s$ : 9.80 A / 3.30 A  
 Current increase  $\Delta I$ : 10 %  
 Thermal class: **THCL155**\*  
 Min. permitted conveyor temperature  $t_{R(min)}$ : -40 °C  
 Max. permitted conveyor temperature  $t_{R(max)}$ : 60 °C  
 Electrical connection: Terminal box  
 Number of blades: 7  
 Protection class: IP54  
 Motor protection: Thermal contact  
 Blades: Aluminium, 1 coat paint, black  
 Rotor: Aluminium, 1 coat paint, black  
 Conformity: ErP 2015, CE

**ErP Data**  
 Efficiency  $\eta_{statA}$ : 38.0 %  
 Efficiency:  $N_{actual} = 43.4 / N_{target} = 40$ \*\*  
 \* Rated data  
 \*\*ErP 2015

Characteristic curve



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

- Connection diagram 1360-108XA Page 608
- System components Page 524



Performance data

Type	Connection	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
			U [V]		I [A]	P <sub>1</sub> [W]	n [min <sup>-1</sup> ]	L <sub>WA5</sub> [dB]
FC080-SD_6K.V7	Δ	I	400*	②	2.70*	1400*	900*	82
			400	③	2.40	1150	920	81
	Y	II	400*	⑤	1.70*	940*	690*	76
			400	⑥	1.50	840	750	77

\*rated data

- Information
- FE20wlet  
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- FC**
- System components
- Control technology
- Appendix

