

FC

for three phase alternating current, 6-6 pole

FC091-SD

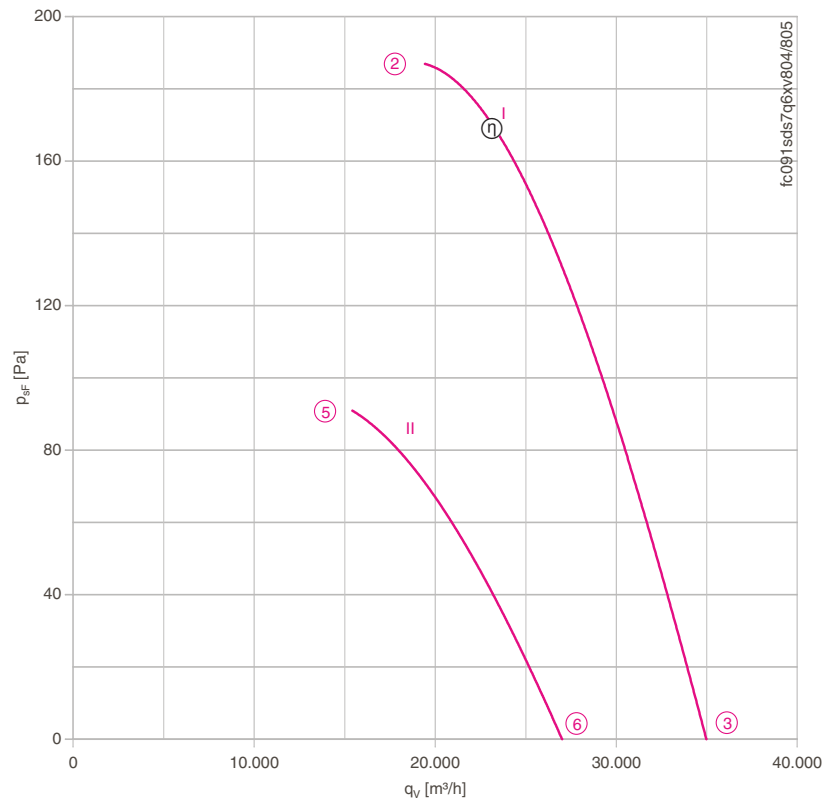


Description

Motor technology: AC
 Rated voltage U_N : 3~ 400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz*
 Motor input power P_1 : 3.30/1.90 kW*
 Rated current I_N : 6.30/3.50 A*
 Rated speed n_N : 850/ 610 min⁻¹*
 Starting current I_s : 22.00 A / 6.50 A
 Current increase ΔI : 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 η_{statA} : 40.1 %
 Efficiency: $N_{actual} = 43.3 / N_{target} = 40$ **
 * Rated data
 **ErP 2015

Characteristic curve



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

➤ Connection diagrams Page 608
 for airflow direction V 1360-108XA
 for airflow direction A 1360-108XB

➤ 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 ₁ [W]	n [min ⁻¹]	L _{WAS} [dB]
FC091-SD_7Q_7	Δ	I	400*	②	6.30*	3300*	850*	88
			400	③	6.00	2900	890	89
	Y	II	400*	⑤	3.50*	1900*	610*	81
			400	⑥	3.20	1750	680	85

*rated data



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

