

FC

for three phase alternating current, 4-4 pole

FC071-VD

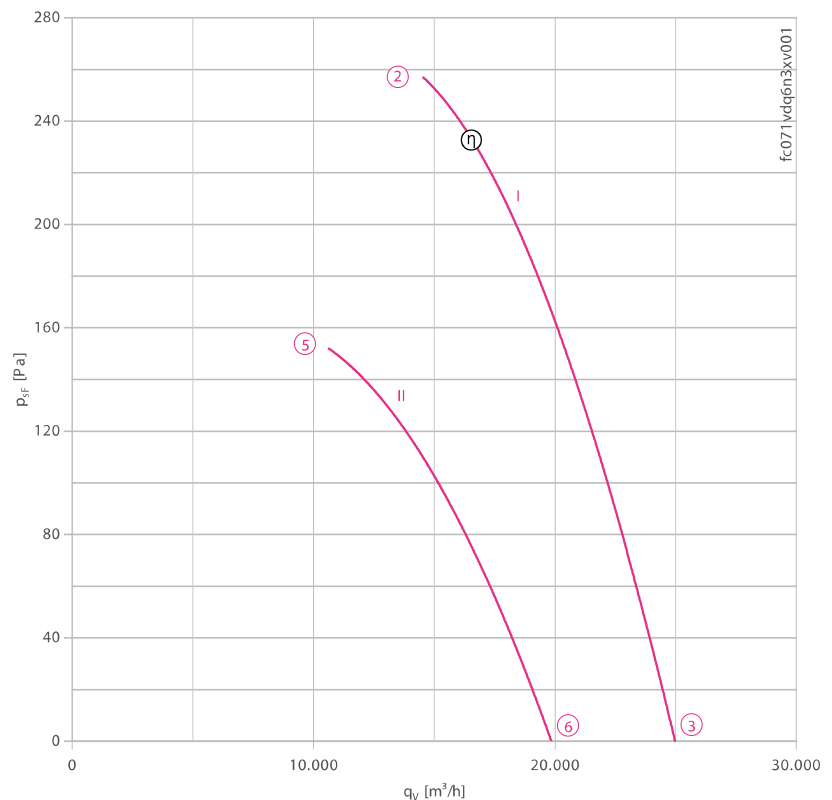


Description

Motor technology: AC
 Rated voltage U_N : 3~ 400 V (Δ/Y) ± 10 %*
 Rated frequency f_N : 50 Hz*
 Motor input power P_1 : 2.90/1.80 kW*
 Rated current I_N : 5.30/3.00 A*
 Rated speed n_N : 1290/ 990 min^{-1} *
 Starting current I_A : 19.00 A / 6.00 A
 Current increase ΔI : 0 %
 Thermal class: THCL155*
 Min. permitted conveyor temperature $t_{R(\text{min})}$: -40 °C
 Max. permitted conveyor temperature $t_{R(\text{max})}$: 65 °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} : 36.4 %
 Efficiency: $N_{\text{actual}} = 40.0 / N_{\text{target}} = 40$ **
 * Rated data
 **ErP 2015

Characteristic curve



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

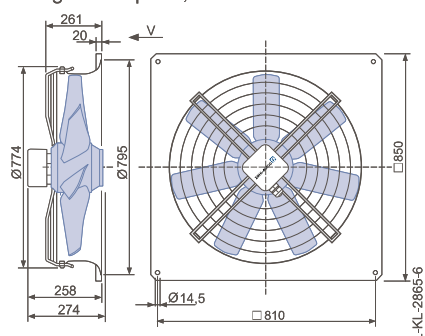
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Dimensions [mm]

← Airflow direction V

Design Q - square, full bell mouth



Performance data

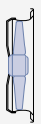
Type	Connection	Characteristic curve	Voltage	Operating point	Current	Motor input power	Speed	Suction side sound power level
			U [V]		I [A]	P ₁ [W]	n [min ⁻¹]	L _{WA5} [dB]
FC071-VD_6N.V7	Δ	I	400*	②	5.10*	2800*	1300*	90
			400	③	4.50	2400	1330	90
	Y	II	400*	⑤	3.00*	1800*	990*	83
			400	⑥	2.80	1600	1060	84

*rated data

Fan ordering information



Design Q



Type FC071-VDQ.6N.V7
Article no. 132521

Weight [kg] 41.20

Control technology

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