

Model No. 2-Pole cage motor QCA 180M 22kW D400V 50Hz IM3001-FF300

U (V)	Δ / Y Conn	f [Hz]	P [kW]	P [hp]	I [A]	n [RPM]	T [Nm]	IE Class	% EFF at __ load FL 3/4FL 1/2FL	PF at __ load FL 3/4FL 1/2FL	I _A /I _N [pu]	T _A /T _N [pu]	T _K /T _N [pu]
400	D	50	22	30	38,1	2963	70,9	IE4	94,0 94,0 92,5	0,89	7,50	2,30	3,60
690	Y				22								
460	D	60	25,3	33,91	33,7	3562	67,8	IE4	93,0 93,0 92,4	0,89	7,50	2,30	3,60

Motor type	QCA180M2E4
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	180M
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	22 kW
Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	-
Temperature rise surface	
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area

Degree of protection	IP55
Mounting type	IM3001-FF300
Cooling method	IC411
Motor weight - approx.	247 kg
Gross weight - approx.	250 kg

Vibration level **according IEC60034-14**

Direction of rotation **cw /ccw**

PTC 150°C

Rotor type	Cage motor
Bearing type	6211-2Z/C3WT

Type of grease **Chevron SRI-2**

Country of origin **CN**

Voltage/Freq	Locked rotor Torque [% nom]	Starting current [% nom]	Pull-up Torque [% nom]	Breakdown Torque [% nom]	No-load Current [A]
@ D 400V 50Hz	230%	748%		360%	
@ D 460V 60Hz	230%	750%		360%	

NOTE

All performance values at rated voltage and frequency.

All performance parameters are subjected to standard tolerance as per IEC 60034-1

Voltage, Frequency are as per IEC60034-1

Technical data are subject to change. There may be discrepancies between calculated and name plate values.

Efficiency	Europe	Global IEC
Standards	EN-IEC: 60034-30	IEC: 60034-30



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Driving efficiency and sustainability

