

Model No. 4-Pole cage motor QCA 225M 45kW D400V 50Hz IM3001-FF400

U (V)	Δ / Y Conn	f [Hz]	P [kW]	P [hp]	I [A]	n [RPM]	T [Nm]	IE Class	% EFF at __ load			PF at __ load			I _A /I _N [pu]	T _A /T _N [pu]	T _K /T _N [pu]
									FL	3/4FL	1/2FL	FL	3/4FL	1/2FL			
400	D	50	45	60,32	82,7	1486	289,2	IE4	95,4	95,4	94,7	0,82	0,77	0,65	8,40	3,00	3,60
690	Y				47,7												
460	D	60	52	69,71	82,3	1787	277,9	IE3	95,0	95,0	94,5	0,84			8,40	2,90	3,50

Motor type	QCA225MA4E4
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	225M
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	45 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

Rotor type	Cage motor
Bearing type	6213/C3
Lubrication method	22gr/10200hrs
Type of grease	Chevron SRI-2

Country of origin	CN
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Voltage/Freq	Locked rotor Torque [% nom]	Starting current [% nom]	Pull-up Torque [% nom]	Breakdown Torque [% nom]	No-load Current [A]
@ D 400V 50Hz	300%	839%		360%	
@ D 460V 60Hz	290%	839%		350%	

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

This is an uncontrolled copy, data can be changed anytime.

Degree of protection	IP55
Mounting type	IM3001-FF400
Cooling method	IC411
Motor weight - approx.	440 kg
Gross weight - approx.	450 kg
Motor inertia	0,8148 kgm ²
Vibration level	according IEC60034-14
Direction of rotation	cw /ccw
	PTC 150°C

Schematic presentation of torque-speed curve



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Driving efficiency and sustainability

