

Model No. 4-Pole cage motor QCA 100L 3kW D230V 50Hz IM3001-FF215

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			
230	D	50	3	4	10,9	1466	19,5	IE4	90,4	90,4	88,2	0,76	0,68	0,54	9,20	3,70	4,30
400	Y				6,3												
265	D	60	3,45	4,625	10,9	1763	18,7	IE4	89,5	89,5	89,0	0,77			10,00	3,90	4,60
460	Y				6,3												

Motor type	QCA100LB4E4
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	100L
Duty	S1
Voltage	230 V
Frequency	50 Hz
Power output	3 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-FF215
Cooling method	IC411
Motor weight - approx.	49 kg
Gross weight - approx.	50 kg
Motor inertia	0,0169 kgm ²
Vibration level	according IEC60034-14
Direction of rotation	cw /ccw
	PTC 150°C

Rotor type	Cage motor
Bearing type	6206-2Z/C3WT

Type of grease	Chevron SRI-2
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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 230V 50Hz	370%	917%		430%	
@ D 265V 60Hz	390%	10000%		460%	

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.

Schematic presentation of torque-speed curve



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Driving efficiency and sustainability

