

Model No. 4-Pole cage motor QCA 180L 22kW D400V 50Hz IM3011-FF300

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	22	30	42,1	1481	141,9	IE4	94,5	94,5	93,0	0,80	0,73	0,60	8,20	3,00	4,00
690	Y				24,3												
460	D	60	25,3	33,91	41,7	1783	135,5	IE3	93,6	93,6	93,0	0,81			8,50	3,00	4,00

Motor type	QCA180LA4E4
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	180L
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

Rotor type	Cage motor
Bearing type	6211-2Z/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 400V 50Hz	300%	819%		400%	
@ D 460V 60Hz	300%	848%		400%	

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	IM3011-FF300
Cooling method	IC411
Motor weight - approx.	260 kg
Gross weight - approx.	270 kg
Motor inertia	0,2767 kgm²
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

