

Model No. 4-Pole cage motor QCA 180M 18,5kW 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	18,5	24,8	34,5	1479	119,5	IE4	94,2 94,2 93,0	0,82	7,60	2,60	3,60
690	Y				19,9								
460	D	60	21,3	28,55	34,4	1778	114,4	IE3	93,6 93,6 93,2	0,83	7,70	2,60	3,50

Motor type	QCA180M4E4
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	180M
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	18,5 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.	231 kg
Gross weight - approx.	238 kg

Vibration level	according IEC60034-14
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Direction of rotation	cw /ccw
	PTC 150°C

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	260%	759%		360%	
@ D 460V 60Hz	260%	767%		350%	

NOTE

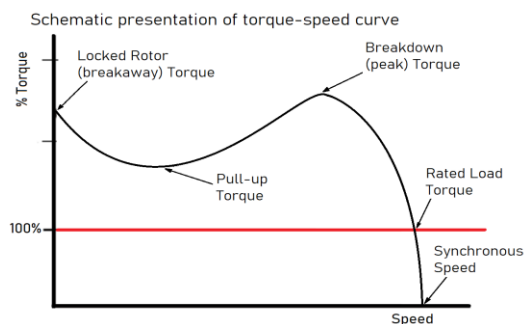
All performance values at rated voltage and frequency.

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



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Driving efficiency and sustainability

