

Model No. 4-Pole cage motor QCA 280S 75kW D400V 50Hz IM3001-FF500

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	75	100	131	1489	481,0	IE4	96,0	95,6	94,8	0,86	0,84	0,78	6,80	2,50	3,00
690	Y				75												
460	D	60	86	115,3	131	1790	458,8	IE3	95,4	95,4	95,0	0,86			6,90	2,60	2,80

Motor type	QCA280S4E4
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	280S
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	75 kW

Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	-
Temperature rise winding	56 K
Temperature rise surface	27 K
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area

Rotor type	Cage motor
Bearing type	6317/C3
Lubrication method	30gr/8000hrs
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	250%	681%		300%	
@ D 460V 60Hz	260%	690%		280%	

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-FF500
Cooling method	IC411
Motor weight - approx.	780 kg
Gross weight - approx.	800 kg
Motor inertia	2,9060 kgm²
Vibration level	according IEC60034-14

Direction of rotation	cw / ccw
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PTC 150°C

Schematic presentation of torque-speed curve



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Driving efficiency and sustainability

