

Model No. 2-Pole cage motor TCA 250M 55kW 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 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	55	75	93,8	2981	176,2	IE3	95,1	0,89	7,74	1,90	3,40
690	Y				54,4								
460	D	60	63	84,45	94,7	3581	168,0	IE3	93,6 93,6 93,3	0,89	7,10	1,87	3,32

Motor type	TCA250MA2E3
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	250M
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	55 kW

Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	-
Temperature rise winding	62 K
Temperature rise surface	-
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area

Rotor type	Cage motor
Bearing type	6314/C3
Lubrication method	23gr/4300hrs
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	190%	773%		340%	31,1 A
@ D 460V 60Hz	187%	709%		332%	

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

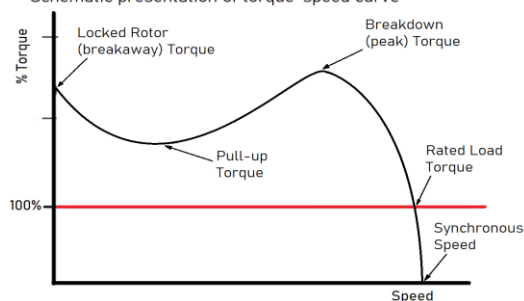
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Degree of protection	IP55
Mounting type	IM3001-FF500
Cooling method	IC411
Motor weight - approx.	450 kg
Gross weight - approx.	460 kg
Motor inertia	0,6600 kgm²
Vibration level	according IEC60034-14

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

