

Model No. 4-Pole cage motor TCA 160M 11kW D400V 50Hz IM1001

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	11	15	20,6	1476	71,2	IE3	91,6	0,84	7,32	2,37	3,19
690	Y				11,9								
460	D	60	12,7	17,02	20,4	1772	68,4	IE3	92,4 92,4 91,3	0,84	7,42	2,50	3,50

Motor type	TCA160MB4E3
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	160M
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	11 kW

Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	-
Temperature rise winding	52 K
Temperature rise surface	37 K
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area

Rotor type	Cage motor
Bearing type	6209-2Z/C3WT

Type of grease	Chevron SRI-2
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Phase resistance at 20°C	0,6467 Ohm
Country of origin	CN

Voltage/Freq	Locked rotor Torque [% nom]	Starting current [% nom]	Pull-up Torque [% nom]	Breakdown Torque [% nom]	No-load Current [A]
@ D 400V 50Hz	237%	733%		319%	8,69 A
@ D 460V 60Hz	250%	740%		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

This is an uncontrolled copy, data can be changed anytime.

Degree of protection	IP55
Mounting type	IM1001
Cooling method	IC411
Motor weight - approx.	147 kg
Gross weight - approx.	151 kg
Motor inertia	0,1200 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

