

Model No. 2-Pole cage motor TCA 100L 3kW 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			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	3	4	5,6	2889	9,9	IE3	87,2	87,5	86,1	0,88	0,84	0,74	8,75	3,00	3,30
690	Y				3,2												
460	D	60	3	4	5,6	3486	8,2	IE3	86,5	86,5	85,5	0,90	0,87	0,78	8,50	3,21	3,74

Motor type	TCA100LA2E3
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	100L
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	3 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	IM1001
Cooling method	IC411
Motor weight - approx.	34 kg
Gross weight - approx.	35 kg

Vibration level **according IEC60034-14**

Direction of rotation **cw /ccw**

PTC 150°C

Rotor type	Cage motor
Bearing type	6206-2Z/C3WT

Type of grease **Chevron SRI-2**

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	300%	875%		330%	2,1 A
@ D 460V 60Hz	321%	842%		374%	

NOTE

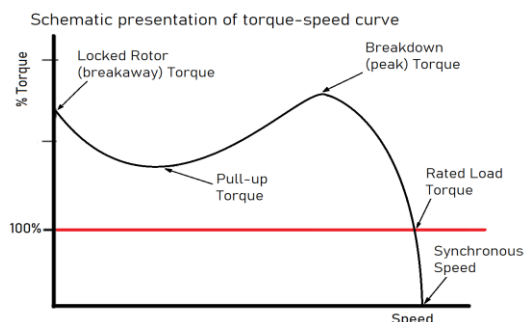
All performance values at rated voltage and frequency.

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

