

Model No. 4-Pole cage motor TCA 100L 2,2kW 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	2,2	3	4,44	1457	14,4	IE3	87,2	0,82	7,80	2,71	3,24
690	Y				2,58								
460	D	60	2,5	3,351	4,3	1757	13,6	IE2	87,5	0,83	7,70	2,37	3,09

Motor type	TCA100LA4E3
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	100L
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	2,2 kW

Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	-
Temperature rise winding	53 K
Temperature rise surface	-
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area

Rotor type	Cage motor
Bearing type	6206-2Z/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	271%	783%		324%	2,45 A
@ D 460V 60Hz	237%	769%		309%	

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.

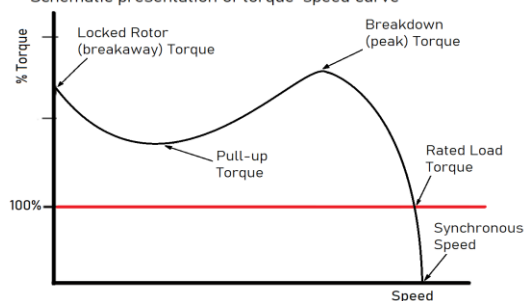
Degree of protection	IP55
Mounting type	IM1001
Cooling method	IC411
Motor weight - approx.	39 kg
Gross weight - approx.	40 kg
Motor inertia	0,0150 kgm²

Vibration level **according IEC60034-14**

Direction of rotation **cw / ccw**

PTC 150°C

Schematic presentation of torque-speed curve



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Driving efficiency and sustainability

