

Model No. 2-Pole cage motor TCA 100L 3kW D230V 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]
230	D	50	3	4	9,6	2889	9,9	IE3	87,1 87,1 86,6	0,90 0,87 0,78	7,90	3,20	3,60
400	Y				5,5								
265	D	60	3,45	4,625	9,5	3488	9,4	IE2	87,5	0,90	8,49	3,20	3,70
460	Y				5,5								

Motor type	TCA100LA2E3
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	100L
Duty	S1
Voltage	230 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
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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 230V 50Hz	320%	788%		360%	
@ D 265V 60Hz	320%	852%		370%	

NOTE

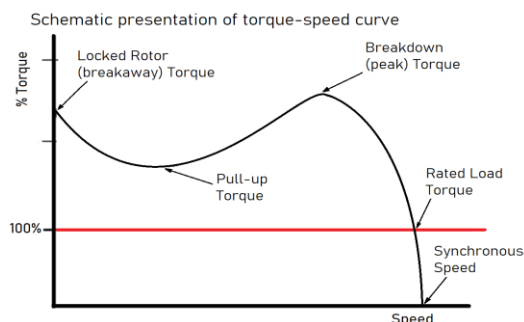
All performance values at rated voltage and frequency.

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

