

Model No. 4-Pole cage motor TCA 100L 2,2kW 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	2,2	3	7,89	1457	14,4	IE3	86,9	0,81	8,00	2,71	3,24
400	Y				4,55								
265	D	60	2,5	3,351	7,61	1757	13,6	IE3	87,5 87,5 85,9	0,82	8,63	2,59	3,31
460	Y				4,39								

Motor type	TCA100LA4E3
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	100L
Duty	S1
Voltage	230 V
Frequency	50 Hz
Power output	2,2 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

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 230V 50Hz	271%	799%		324%	4,24 A
@ D 265V 60Hz	259%	863%		331%	

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

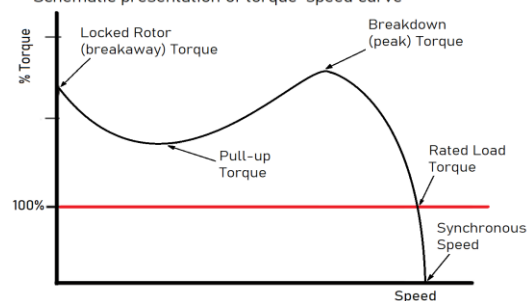
Technical data are subject to change. There may be discrepancies between calculated and name plate values.

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.	35 kg
Gross weight - approx.	36 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



P000019565
P000019566



Driving efficiency and sustainability

