

Model No. 2-Pole cage motor TCA 90L 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	7,3	2889	7,3	IE3	85,9 85,9 84,7	0,88 0,82 0,70	8,10	3,80	3,60
400	Y				4,2								
265	D	60	2,5	3,351	7,2	3490	6,8	IE3	86,5 86,5 85,3	0,87 0,84 0,73	9,20	4,05	3,86
460	Y				4,2								

Motor type	TCA90L2E3
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	90L
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 winding	56 K
Temperature rise surface	35 K
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area

Degree of protection	IP55
Mounting type	IM1001
Cooling method	IC411
Motor weight - approx.	28 kg
Gross weight - approx.	29 kg

Vibration level **according IEC60034-14**

Direction of rotation **cw / ccw**

PTC 150°C

Rotor type	Cage motor
Bearing type	6205-2Z/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	380%	813%		360%	
@ D 265V 60Hz	405%	918%		386%	

NOTE

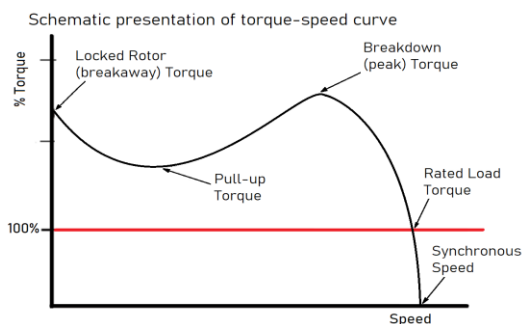
All performance values at rated voltage and frequency.

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

