

Model No. 6-Pole cage motor TCA 90S 0,75kW 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	0,75	1	3,48	953	7,5	IE3	78,9	0,69	5,70	3,10	3,35
400	Y				2								
265	D	60	0,86	1,153	3,64	1145	7,2	IE3	73,0 73,0 73,0	0,71	6,13	3,11	3,42
460	Y				2,1								

Motor type	TCA90S6E3
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	90S
Duty	S1
Voltage	230 V
Frequency	50 Hz
Power output	0,75 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.	24 kg
Gross weight - approx.	25 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

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	310%	568%		335%	
@ D 265V 60Hz	311%	612%		342%	

NOTE

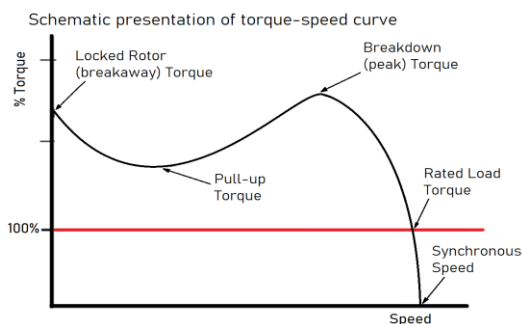
All performance values at rated voltage and frequency.

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

