

Model No. 4-Pole cage motor TCA 80M 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	2,96	1441	5,0	IE3	82,9	0,77	6,40	2,65	2,77
400	Y				1,7								
265	D	60	0,86	1,153	2,88	1726	4,8	IE3	83,5 83,2 80,4	0,78	6,62	2,64	2,77
460	Y				1,66								

Motor type	TCA80MB4E3
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	80M
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

Rotor type	Cage motor
Bearing type	6204-2Z/C3WT

Type of grease	Chevron SRI-2
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Phase resistance at 20°C	6,3000 Ohm
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	265%	638%		277%	1,04 A
@ D 265V 60Hz	264%	659%		277%	

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

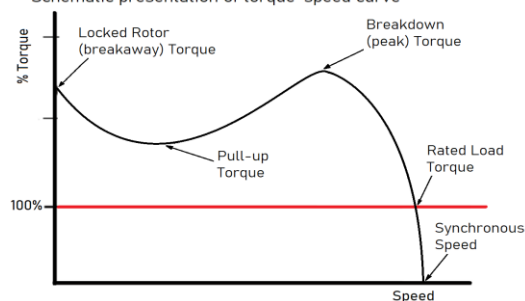
Technical data are subject to change. There may be discrepancies between calculated and name plate values.

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.	19 kg
Gross weight - approx.	20 kg
Motor inertia	0,0031 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

