

Model No. 2-Pole cage motor TCA 80M 0,75kW D230V 50Hz IM3601-FT100

U (V)	Δ / Y Conn	f [Hz]	P [kW]	P [hp]	I [A]	n [RPM]	T [Nm]	IE Class	% EFF at __ load			PF at __ load			I _A /I _N [pu]	T _A /T _N [pu]	T _K /T _N [pu]
230	D	50	0,75	1	2,85	2882	2,5	IE3	81,8	81,7	80,3	0,82	0,73	0,62	7,30	3,12	3,44
400	Y				1,68												
265	D	60	0,86	1,153	2,75	3461	2,4	IE3	82,0			0,83			7,20	3,06	3,53
460	Y				1,66												

Motor type	TCA80MA2E3
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 winding	15 K
Temperature rise surface	20 K
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	19,3000 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	312%	743%		344%	0,94 A
@ D 265V 60Hz	306%	767%		353%	

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	IM3601-FT100
Cooling method	IC411
Motor weight - approx.	16 kg
Gross weight - approx.	16 kg
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

