

Model No. 2-Pole cage motor TCA 80M 1,1kW D230V 50Hz IM3001-FF165

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	1,1	1 1/2	4,03	2883	3,6	IE3	83,0	0,84 0,77 0,64	7,60	3,50	3,50
400	Y				2,33								
265	D	60	1,27	1,702	3,95	3460	3,5	IE2	82,5 82,5 80,1	0,85 0,80 0,69	7,60	3,27	3,49
460	Y				2,32								

Motor type	TCA80MB2E3
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	80M
Duty	S1
Voltage	230 V
Frequency	50 Hz
Power output	1,1 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	IM3001-FF165
Cooling method	IC411
Motor weight - approx.	21 kg
Gross weight - approx.	22 kg

Vibration level **according IEC60034-14**

Direction of rotation **cw /ccw**

PTC 150°C

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

Type of grease **Chevron SRI-2**

Phase resistance at 20°C	6,6000 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	350%	761%		350%	
@ D 265V 60Hz	327%	718%		349%	

NOTE

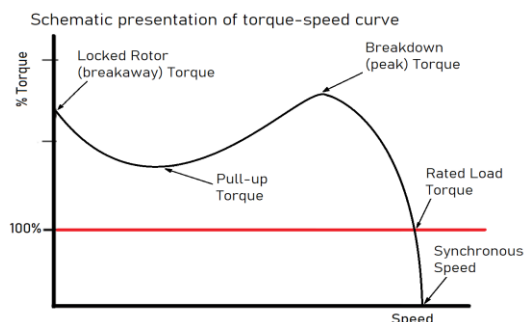
All performance values at rated voltage and frequency.

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

