

Model No. 4-Pole cage motor TCA 112M 4kW D230V 50Hz IM3001-FF215

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	4	5 1/3	13,8	1451	26,3	IE3	88,6	0,82	8,53	3,23	3,63
400	Y				8,02								
265	D	60	4,6	6,166	13,6	1751	25,1	IE1	87,0 87,0 87,0	0,84	8,80	2,85	3,43
460	Y				7,88								

Motor type	TCA112MB4E3
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	112M
Duty	S1
Voltage	230 V
Frequency	50 Hz
Power output	4 kW
Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	-
Temperature rise winding	80 K
Temperature rise surface	
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area

Degree of protection	IP55
Mounting type	IM3001-FF215
Cooling method	IC411
Motor weight - approx.	50 kg
Gross weight - approx.	52 kg
Motor inertia	0,0192 kgm ²
Vibration level	according IEC60034-14

Rotor type	Cage motor
Bearing type	6206-2Z/C3WT
Type of grease	Chevron SRI-2

Direction of rotation	cw / ccw
	PTC 150°C

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	323%	855%		363%	
@ D 265V 60Hz	285%	882%		343%	

NOTE

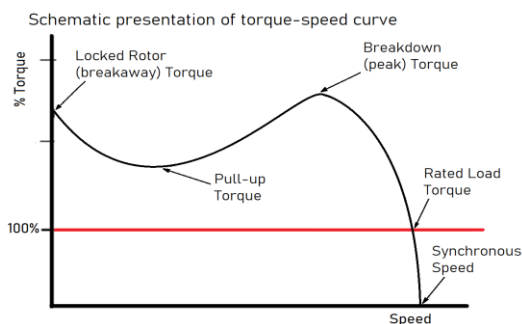
All performance values at rated voltage and frequency.

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

