

Model No. 2-Pole cage motor TCA 112M 4kW D400V 50Hz IM3601-FT130

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]
400	D	50	4	5 1/3	7,3	2921	13,1	IE3	88,2 88,1 88,1	0,90 0,86 0,76	8,60	2,70	3,70
690	Y				4,2								
460	D	60	4,6	6,166	7,2	3521	12,5	IE2	88,5 88,5 88,5	0,90 0,88 0,79	9,20	2,61	3,91
					4,2								

Motor type	TCA112M2E3
Enclosure	Totally Enclosed Fan Cooling
Frame Material	Cast iron
Frame size	112M
Duty	S1
Voltage	400 V
Frequency	50 Hz
Power output	4 kW
Insulation class	F
Ambient temperature	-20 till 40 °C
Temperature rise	-
Temperature rise winding	46 K
Temperature rise surface	29 K
Altitude above sea level	1000 mtr
Hazardous area classification	Safe area

Degree of protection	IP55
Mounting type	IM3601-FT130
Cooling method	IC411
Motor weight - approx.	60 kg
Gross weight - approx.	62 kg
Motor inertia	0,0100 kgm²
Vibration level	according IEC60034-14
Direction of rotation	cw / ccw
	PTC 150°C

Rotor type	Cage motor
Bearing type	6206-2Z/C3WT

Type of grease	Chevron SRI-2
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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 400V 50Hz	270%	860%		370%	2,58 A
@ D 460V 60Hz	261%	919%		391%	

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.

Schematic presentation of torque-speed curve



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Driving efficiency and sustainability

