

Datasheet
marathon[™]
Motors

Model No. 2-Pole cage motor TCA 112M 4kV

U	Δ / Y	f	P	P	I
(V)	Conn	[Hz]	[kW]	[hp]	[A]

400	D	50	4	5 1/3	7,3
690	Y				4,2
460	D	60	4,6	6,166	7,2
					4,2

Motor type

Enclosure

T

Frame Material

Frame size

Duty

Voltage

Frequency

Power output

Insulation class

Ambient temperature

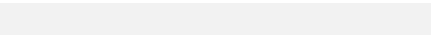
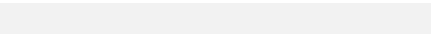
Temperature rise

Temperature rise winding

Temperature rise surface

Altitude above sea level

Hazardous area classification



Rotor type

Bearing type

Type of grease

Country of origin

	Locked rotor Torque	Starting current	
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Voltage/Freq	nom]	[% nom]	[
@ D 400V 50Hz	270%	860%	
@ D 460V 60Hz	261%	919%	

NOTE

All performance values at rated voltage and frequ

All performance parameters are subjected to standard conditions.
Voltage, Frequency are as per IEC60034-1

Technical data are subject to change. There may

Efficiency	Europe	Globe
Standards	EN-IEC: 60034-30	IEC: 60034-30

This is an uncontrolled copy, data can be changed anytime.

V D400V 50Hz IM3601-FT165

n [RPM]	T [Nm]	IE Class	% EFF at __ load		
			FL	3/4FL	1/2

2921	13,1	IE3	88,2	88,1	88
3521	12,5	IE2	88,5	88,5	88

TCA112M2E3

Totally Enclosed Fan Cooling

Cast iron

112M

S1

Degree of protection

Mounting type

Cooling method

Motor weight - kg

Gross weight - kg

400 V

50 Hz

4 kW

F

Motor inertia

Vibration level

-20 till 40 °C

-

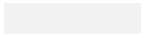
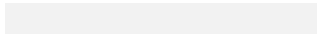
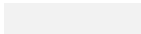
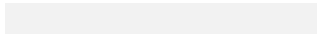
46 K

29 K

1000 mtr

Direction of rot

Safe area



Cage motor

6206-2Z/C3WT

Chevron SRI-2

Schematic

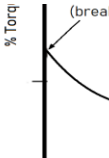
Due + Locke

CN

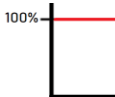
**Pull-up
Torque**

**Breakdown
Torque**

**No-load
Current**



% nom]	[% nom]	[A]
	370%	2,58 A
	391%	



ency.

standard tolerance as per IEC 60034-1

be discrepancies between calculated and name plate va
bal IEC
: 60034-30





Mors 1-5, 7151 MX Eibbe

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I	PF at __load			I_A/I_N	T_A/T_N	T_K/T_N
	FL	3/4FL	1/2FL	[pu]	[pu]	[pu]

8,1	0,90	0,86	0,76	8,60	2,70	3,70
8,5	0,90	0,88	0,79	9,20	2,61	3,91

IP55

IM3601-FT165

IC411

42

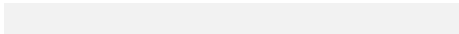
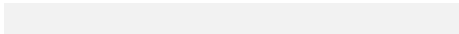
43

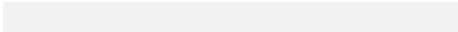
0,0100

according IEC60034-14

cw / ccw

PTC 150°C





presentation of torque-speed curve

ed Rotor
s

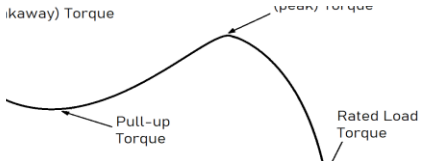
Breakdown
(peak) Torque

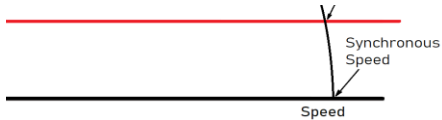
(kaway) Torque

(peak) Torque

Pull-up
Torque

Rated Load
Torque





P000

P000

rot
is
ISO
certi

Driving efficiency and sustainability



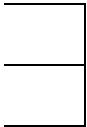


ergen NL

i 464640

464646







kg

kg

kgm²



0019573

0019574



pany



RTRCA