

Datasheet
marathon[™]
Motors

Model No. 4-Pole cage motor TCA 100L 2,2kV

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

230	D	50	2,2	3	7,89
400	Y				4,55
265	D	60	2,5	3,351	7,61
460	Y				4,39

Motor type

Enclosure

T

Frame Material

Frame size

Duty

Voltage

Frequency

Power output

Insulation class

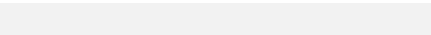
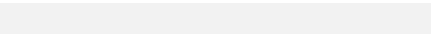
Ambient temperature

Temperature rise

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 230V 50Hz	271%	799%	
@ D 265V 60Hz	259%	863%	

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.

W D230V 50Hz IM3601-FT165

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

1457	14,4	IE3	86,9		
1757	13,6	IE3	87,5	87,5	89

TCA100LA4E3

Totally Enclosed Fan Cooling

Cast iron

100L

S1

Degree of protection

Mounting type

Cooling method

Motor weight - kg

Gross weight - kg

230 V

50 Hz

2,2 kW

F

Motor inertia

Vibration level

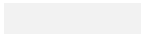
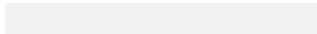
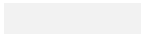
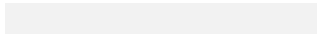
-20 till 40 °C

-

1000 mtr

Direction of rot

Safe area



Cage motor

6206-2Z/C3WT

Chevron SRI-2

Schematic

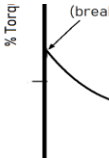
Due + Locke

CN

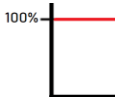
**Pull-up
Torque**

**Breakdown
Torque**

**No-load
Current**



% nom]	[% nom]	[A]
	324%	4,24 A
	331%	



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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sales@rotor.nl tel.: +31 545

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

	0,81	8,00	2,71	3,24
5,9	0,82	8,63	2,59	3,31

IP55

IM3601-FT165

IC411

27

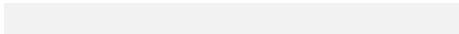
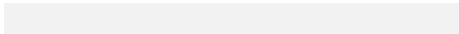
28

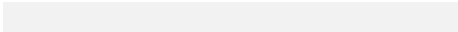
0,0150

according IEC60034-14

cw / ccw

PTC 150°C





presentation of torque-speed curve

ed Rotor
s

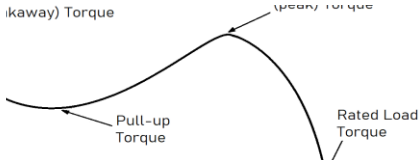
Breakdown
(peak) Torque

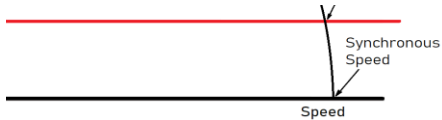
ikaway) Torque

(peak) Torque

Pull-up
Torque

Rated Load
Torque





P000

P000

rot
is
ISO
certi

Driving efficiency and sustainability



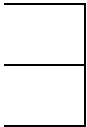


ergen NL

i 464640

464646







kg

kg

kgm²



0019565

0019566



pany



RTRCA