

Datasheet

rotor nl[®]

Model No. 6-Pole cage motor 6RN 112M 3kV

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

400	D	50	3	4	6,8
690	Y				3,93
460	D	60	3,45	4,625	6,7

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

Te time

Rotor type

Bearing type

Type of grease

Phase resistance at 20°C

Country of origin

	Locked rotor Torque [%]	Starting current	
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Voltage/Freq	nom]	[% nom]	[
@ D 400V 50Hz	200%	550%	
@ D 460V 60Hz	282%	758%	

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.

N D400V 50Hz IM3641-FT165

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

965	29,7	IE3	85,6
1175	28,0	IE2	87,5

6RN112M06E36V

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

3 kW

F

Motor inertia

Vibration level

-20 till 40 °C

temp.rise acc. B

53 K

1000 mtr

Direction of rot

Safe area

0 sec

Cage motor

6306-2Z/C3WT

Unirex N3

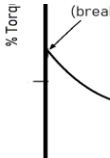
Schematic

Due + Locke

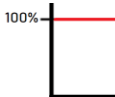
4,7800 Ohm

CZ

Pull-up Torque	Breakdown Torque	No-load Current
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% nom]	[% nom]	[A]
	270%	3,82 A
	340%	3,81 A



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]

	0,74	5,50	2,00	2,70
	0,74	8,19	2,82	3,40

IP55

IM3641-FT165

IC411

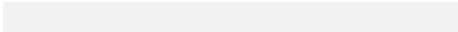
45

46

0,0146

according IEC60034-14

cw /ccw



presentation of torque-speed curve

ed Rotor

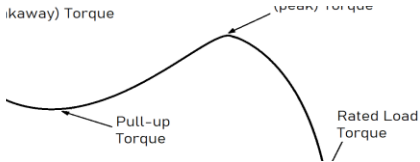
Breakdown
(peak) Torque

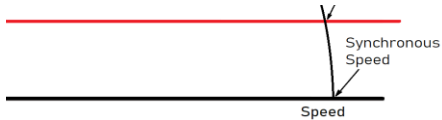
ikaway) Torque

(peak) Torque

Pull-up
Torque

Rated Load
Torque





P000

P000

rot
is
ISO
certi

Driving efficiency and sustainability



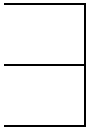


ergen NL

i 464640

464646







kg

kg

kgm²



0042133

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RTRCA