

Datasheet

rotor nl[®]

Model No. 2-Pole cage motor 6RN 90L 2,5kW

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

440	D	60	2,5	3,351	4,35

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

Te time

Rotor type

Bearing type

Type of grease

Country of origin

	Locked rotor Torque [%]	Starting current	
--	---	-----------------------------	--

Voltage/Freq	nom]	[% nom]	[
@ D 440V 60Hz	230%	751%	

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 D440V 60Hz IM1081

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

3510	6,8	IE3	86,5

6RN90L02E34

Totally Enclosed Fan Cooling

Aluminum

90L

S1

Degree of protection

Mounting type

Cooling method

Motor weight - kg

Gross weight - kg

440 V

60 Hz

2,5 kW

F

Motor inertia

Vibration level

Noise level (pre

-20 till 40 °C

-

1000 mtr

Direction of rot

Safe area

0 sec

Cage motor

6004-2Z/C3WT

Unirex N3

Schematic

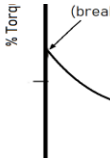
Due + Locke

CZ

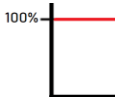
**Pull-up
Torque**

**Breakdown
Torque**

**No-load
Current**



% nom]	[% nom]	[A]
230%	389%	



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]

	0,88	7,78	2,30	3,89

IP55

IM1081

IC411

21

22

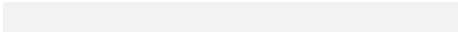
0,0021

according IEC60034-14

ssure) acc 60034-9

69

cw / ccw



presentation of torque-speed curve

ed Rotor
s

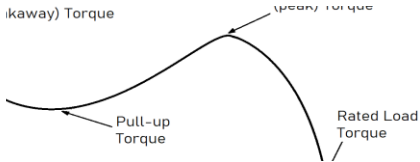
Breakdown
(peak) Torque

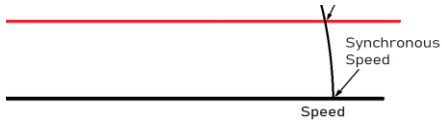
ikaway) Torque

(peak) Torque

Pull-up
Torque

Rated Load
Torque





P000

rot
is
ISO
certi

Driving efficiency and sustainability



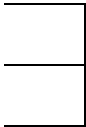


ergen NL

i 464640

464646







kg

kg

kgm²

dB(A)

0047248



pany



RTRCA