

Order motor-data-sheet

Squirrel-cage induction electric motor

Impexron GmbH
Attn.

Gönningerstr 66
72793 PFULLINGEN
GERMANY

Your ref. REQUEST FOR C
Onze order Q18.0169514
Our ref. 1320336
Date 09.08.2018
ID P000000407

ROTOR BV

Mors 1-5, 7151MX
 Eibergen, The Netherlands
 Tel-operator: +31 (0) 545 46 46 40
 Sales: +31 (0) 545 46 46 46

www.rotor.nl
www.regalbeloit.eu

Motor:

motor type: 5RE100L02 2 pole Environment.....: -20°C to +40°C, up to 1000m above sea level Area: ATEX Execution: Rated voltage [Vac]: D400 / Y 690 50 Hz Output [kW]: 2,50 Nom. torque [Nm]: 8,33 Duty: S1 Bearings.....: DE: 6206-2Z/C3WT , NDE: 6206-2Z/C3WT	Ex Class.....: Ex II 2G EEx-e-II-T3 acc. Ex Norm: EN 50014 / 50019 Insulation class: F (155°C) Degree of protection: IP55 Method of cooling.....: IC411 Mounting: IM3641 FT130 Mass [kg].....: 29,29 Moment of inertia [kgm ²]: 0,00380
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At nominal (rated load):

Speed [rpm]: 2865 Temp. rise windings [K] : 69 temp.rise acc. B (80K)	Phase resistance at 20°C [Ohm]..: 5,90000 Temp. rise surface [K].....: 23
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Nom. current [A].....: **5,30 / 3,06** at 400V / 690V 50Hz

	Partial load - 75%	Full load - 100%	Overload - 125%
Power factor	0,86	0,86	83,2
Efficiency [%]	82,3	82,3	83,2

At start

Locked rotor torque [%] : **260** Power factor at starting: **0,76**
 Locked rotor current [%]: **740**

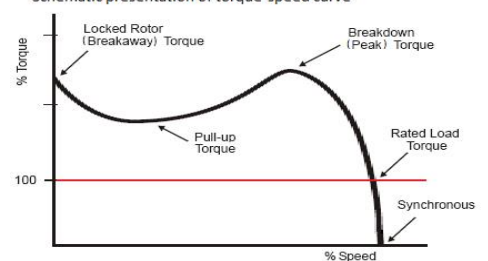
Breakdown

Break down torque [%] .: **280**

No-load at nominal

No load current [A].....: **2,06**

Schematic presentation of torque-speed curve



Configuration / Extra: R2

- squirrel cage ind. motor 5RE100L02-3641-A
- Extended shaft (90-132)
- 5RE100 EX II 2G EEx-e-II-T3 00atex2085
- Extra pre-loaded ball bearings

