

# Order motor-data-sheet

Squirrel-cage induction electric motor

Impexron GmbH  
Attn.  
  
Gönningerstr. 99  
72793 PFULLINGEN  
GERMANY

Your ref.  
Onze order Q19.0183129  
Our ref. 1320155  
Date 11.06.2019  
ID P000015323

## ROTOR BV

brands of:

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 .....: **6RN112M02E32**      **2 pole**  
 Environment.....: **-20°C to +40°C, up to 1000m above sea level**  
 Area .....: **Safe area**  
 Execution .....:  
 Rated voltage [Vac] .....: **D400 / Y690 50 Hz**  
 Output [kW] .....: **4,00**  
 Nom. torque [Nm] .....: **12,93**  
 Duty .....: **S1**  
 Bearings.....: DE: 6306-2Z/C3WT , NDE: 6306-2Z/C3WT

Insulation class .....: **F (155°C)**  
 Degree of protection .....: **IP55**  
 Method of cooling.....: **IC411**  
 Mounting .....: **IM1081**  
 Mass [kg].....: **44,60**  
 Moment of inertia [kgm<sup>2</sup>] .....: **0,01200**

### At nominal (rated load):

Speed [rpm] .....: **2955**  
 Temp. rise windings [K] : **59**                      temp.rise acc. B (80K)

Phase resistance at 20°C [Ohm].: **4,29600**

Nom. current [A].....: **7,40 / 4,27**      at 400V / 690V 50Hz

Acoustic pressure [dB(A)] .....: **67,0** At no load  
On load

	Partial load - 75%	Full load - 100%	Overload - 125%
Power factor	<b>0,86</b>	<b>0,90</b>	<b>0,89</b>
Efficiency [%]	<b>88,1</b>	<b>88,1</b> <b>IE3</b>	<b>87,1</b>

### At start

Locked rotor torque [%] : **290**  
 Locked rotor current [%]: **800**                      Locked rotor current [A]: **58,80**

### Pull-up

Pull up torque [%] .....: **113**

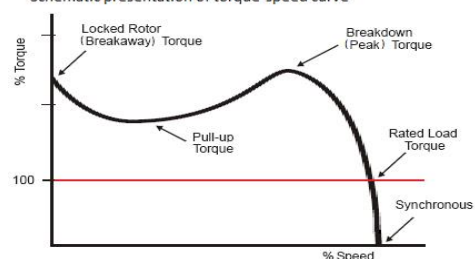
### Breakdown

Break down torque [%] .: **387**

### No-load at nominal

No load current [A].....: **2,43**

Schematic presentation of torque-speed curve



### Configuration / Extra: 1081

- squirrel cage ind. motor 6RN112M02E32-1081



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### Motor:

motor type .....: **6RN112M02E32**      **2 pole**  
 Environment.....: **-20°C to +40°C, up to 1000m above sea level**  
 Area .....: **Safe area**  
 Execution .....:  
 Rated voltage [Vac] .....: **D460**              **60 Hz**  
 Output [kW] .....: **4,55**  
 Nom. torque [Nm] .....: **12,24**  
 Duty .....: **S1**  
 Bearings.....: DE: 6306-2Z/C3WT , NDE: 6306-2Z/C3WT

Insulation class .....: **F (155°C)**  
 Degree of protection .....: **IP55**  
 Method of cooling.....: **IC411**  
 Mounting .....: **IM1081**  
 Mass [kg].....: **44,60**  
 Moment of inertia [kgm<sup>2</sup>] .....: **0,01200**

### At nominal (rated load):

Speed [rpm] .....: **3550**  
 Temp. rise windings [K] : **55**                      temp.rise acc. B (80K)

Phase resistance at 20°C [Ohm].: **4,29600**

Nom. current [A].....: **7,20**                      at 460V 60Hz

Acoustic pressure [dB(A)] .....: **67,0** At no load  
 On load

	Partial load - 75%	Full load - 100%	Overload - 125%
Power factor	<b>0,88</b>	<b>0,90</b>	<b>0,90</b>
Efficiency [%]	<b>88,5</b>	<b>88,5</b> <b>IE3</b>	<b>87,5</b>

### At start

Locked rotor torque [%] : **181**  
 Locked rotor current [%]: **817**                      Locked rotor current [A]: **58,82**

### Pull-up

Pull up torque [%] .....: **113**

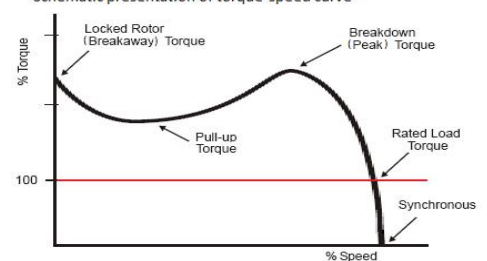
### Breakdown

Break down torque [%] .: **397**

### No-load at nominal

No load current [A].....: **2,23**

Schematic presentation of torque-speed curve



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