

# Order motor-data-sheet

Squirrel-cage induction electric motor

Impexron GmbH

Gönningerstr 66  
72793 PFULLINGEN  
GERMANY

Your ref. 426058  
Onze order Q20.0192616  
Our ref. 1320336  
Date 06.02.2020  
ID P000015627

## 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.....: **6RN160L02E34**      **2 pole**  
 Environment.....: **-20°C to +40°C, up to 1000m above sea level**  
 Area.....: **Safe area**  
 Execution.....:  
 Rated voltage [Vac].....: **D400 / Y 690 50 Hz**  
 Output [kW].....: **18,50**  
 Nom. torque [Nm].....: **59,79**  
 Duty.....: **S1**  
 Bearings.....: DE: 6309-2Z/C3WT , NDE: 6309-2Z/C3WT

Insulation class.....: **F (155°C)**  
 Degree of protection.....: **IP55**  
 Method of cooling.....: **IC411**  
 Mounting.....: **IM1081**  
 Mass [kg].....: **126,60**  
 Moment of inertia [kgm<sup>2</sup>].....: **0,06800**

### At nominal (rated load):

Speed [rpm].....: **2955**  
 Temp. rise windings [K] : **52**                      temp.rise acc. B (80K)

Nom. current [A].....: **32,10 / 18,50**      at 400V / 690V 50Hz

At no load  
On load

	Partial load - 75%	Full load - 100%	Overload - 125%
Power factor		<b>0,90</b>	
Efficiency [%]		<b>92,4</b>	<b>IE3</b>

### At start

Locked rotor torque [%] : **277**  
 Locked rotor current [%]: **935**                      Locked rotor current [A]: **300,04**

### Pull-up

Pull up torque [%] .....: **247**

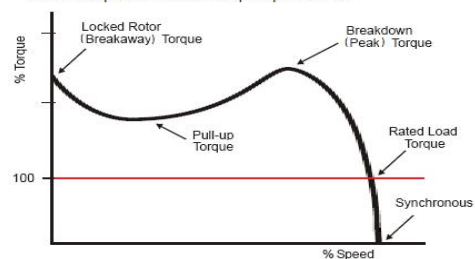
### Breakdown

Break down torque [%] .: **420**

### No-load at nominal

No load current [A].....: **9,34**

Schematic presentation of torque-speed curve



Configuration / Extra: 1081

squirrel cage ind. motor 6RN160L02E34-1081

Country of origin              CZECH REPUBLIC

This is an uncontrolled copy, data can be changed any time. Tolerances acc. IEC 34-1 table 20.

JA



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Your ref. 426058  
Onze order Q20.0192616  
Our ref. 1320336  
Date 06.02.2020  
ID P000018956

## ROTOR BV

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

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### Motor:

motor type .....: **6RN160L02E34**      **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] .....: **21,30**  
 Nom. torque [Nm] .....: **57,30**  
 Duty .....: **S1**  
 Bearings.....: DE: 6309-2Z/C3WT , NDE: 6309-2Z/C3WT

Insulation class .....: **F (155°C)**  
 Degree of protection .....: **IP55**  
 Method of cooling.....: **IC411**  
 Mounting .....: **IM1081**  
 Mass [kg].....: **126,60**  
 Moment of inertia [kgm<sup>2</sup>] .....: **0,06800**

### At nominal (rated load):

Speed [rpm] .....: **3550**  
 Temp. rise windings [K] : **52**      temp.rise acc. B (80K)

Nom. current [A].....: **31,90**      at 460V 60Hz

At no load  
On load

	Partial load - 75%	Full load - 100%	Overload - 125%
Power factor		<b>0,91</b>	
Efficiency [%]		<b>91,7</b>	<b>IE3</b>

### At start

Locked rotor torque [%] : **265**  
 Locked rotor current [%]: **913**      Locked rotor current [A]: **291,25**

### Pull-up

Pull up torque [%] .....: **213**

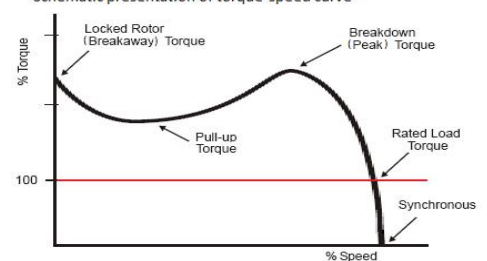
### Breakdown

Break down torque [%] .: **383**

### No-load at nominal

No load current [A].....: **9,25**

Schematic presentation of torque-speed curve



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