

# Order motor-data-sheet

Squirrel-cage induction electric motor

Impexron GmbH

Gönningerstr. 99  
72793 PFULLINGEN  
GERMANY

Your ref.  
Onze order Q20.0194340  
Our ref. 1320155  
Date 17.03.2020  
ID P000019597

## 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.....: <b>TCA132SB2E3</b> <b>2 pole</b> Environment.....: <b>-20°C to +40°C, up to 1000m above sea level</b> Area .....: <b>Safe area</b> Execution .....: Rated voltage [Vac] .....: <b>D400 / Y690 50 Hz</b> Output [kW] .....: <b>7,50</b> Nom. torque [Nm] .....: <b>24,53</b> Duty .....: <b>S1</b> Bearings.....: DE: 6308-2Z/C3WT , NDE: 6208-2Z/C3	Insulation class .....: <b>F (155°C)</b> Degree of protection .....: <b>IP55</b> Method of cooling.....: <b>IC411</b> Mounting .....: <b>IM3001 FF265</b> Mass [kg].....: <b>62,00</b> Moment of inertia [kgm²] .....: <b>0,02000</b>
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### At nominal (rated load):

Speed [rpm] .....: <b>2920</b>	temp.rise acc. B (80K)	Temp. rise surface [K].....: <b>34</b>
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Nom. current [A].....: <b>13,48 / 7,79</b> at 400V / 690V 50Hz	At no load On load
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	<u>Partial load - 75%</u>	<u>Full load - 100%</u>	<u>Overload - 125%</u>
Power factor		<b>0,89</b>	
Efficiency [%]		<b>90,1</b>	<b>IE3</b>

### At start

Locked rotor torque [%] : <b>248</b>	Locked rotor current [A]: <b>110,98</b>	
Locked rotor current [%]: <b>823</b>		

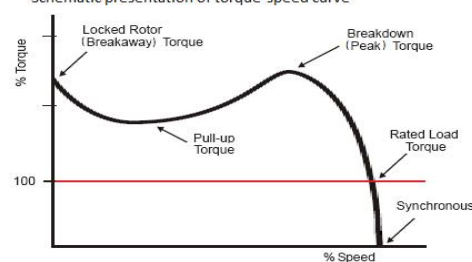
### Breakdown

Break down torque [%] .: **349**

### No-load at nominal

No load current [A].....: **4,26**

Schematic presentation of torque-speed curve



Configuration / Extra: 3001

- squirrel-cage induction motor TCA132SB2E3U46-3001

### Country of origin

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

48688



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Your ref.  
Onze order Q20.0194340  
Our ref. 1320155  
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### Motor:

motor type .....: <b>TCA132SB2E3</b> <b>2 pole</b> Environment.....: <b>-20°C to +40°C, up to 1000m above sea level</b> Area .....: <b>Safe area</b> Execution .....: Rated voltage [Vac] .....: <b>D460</b> <b>60 Hz</b> Output [kW] .....: <b>8,60</b> Nom. torque [Nm] .....: <b>23,35</b> Duty .....: <b>S1</b> Bearings.....: DE: 6308-2Z/C3WT , NDE: 6208-2Z/C3	Insulation class .....: <b>F (155°C)</b> Degree of protection .....: <b>IP55</b> Method of cooling.....: <b>IC411</b> Mounting .....: <b>IM3001 FF265</b> Mass [kg].....: <b>62,00</b> Moment of inertia [kgm <sup>2</sup> ] .....: <b>0,02000</b>
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### At nominal (rated load):

Speed [rpm] .....: **3518**      temp.rise acc. B (80K)

Nom. current [A].....: **13,31 / 7,69**      at 460V 60Hz      At no load  
On load

	<u>Partial load - 75%</u>	<u>Full load - 100%</u>	<u>Overload - 125%</u>
Power factor		<b>0,90</b>	
Efficiency [%]		<b>90,2</b>	<b>IE3</b>

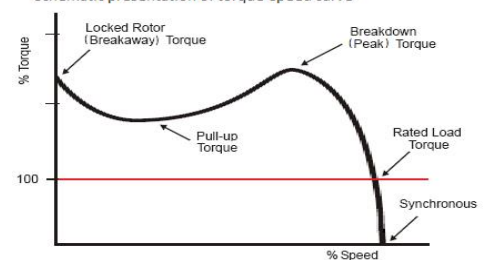
### At start

Locked rotor torque [%] : **235**  
 Locked rotor current [%]: **826**      Locked rotor current [A]: **109,95**

### Breakdown

Break down torque [%] .: **343**

Schematic presentation of torque-speed curve



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