

# Order motor-data-sheet

Squirrel-cage induction electric motor

Impexron GmbH  
Attn.

Gönningerstr. 99  
72793 PFÜLLINGEN  
GERMANY

Your ref. IMP295472  
Our order: Q18.0170765  
Our ref. 1320155  
Date 07.09.2018  
ID P000019637

## 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>TCA200LA2E3</b> <b>2 pole</b>	Insulation class .....: <b>F (155°C)</b>
Environment.....: <b>-20°C to +40°C, up to 1000m above sea level</b>	Degree of protection .....: <b>IP55</b>
Area .....: <b>Safe area</b>	Method of cooling.....: <b>IC411</b>
Execution .....:	Mounting .....: <b>IM1001</b>
Rated voltage [Vac] .....: <b>D400 / Y690 50 Hz</b>	Mass [kg].....: <b>230.06</b>
Output [kW] .....: <b>30.00</b>	Moment of inertia [kgm <sup>2</sup> ] .....: <b>0.24000</b>
Nom. torque [Nm] .....: <b>96.37</b>	
Duty .....: <b>S1</b>	
Bearings.....: DE: 6312/C3 , NDE:    Lubrication: ESSO Unirex N3	

### At nominal (rated load):

Speed [rpm] .....: **2973**  
 Temp. rise windings [K] : **35**                      temp.rise acc. B (80K)                      Temp. rise surface [K].....: **26**

Nom. current [A].....: **54.35 / 31,38**    at 400V / 690V 50Hz

	<u>Partial load - 75%</u>	<u>Full load - 100%</u>	<u>Overload - 125%</u>
Power factor		<b>0.85</b>	
Efficiency [%]		<b>93.3</b>	<b>IE3</b>

### At start

Locked rotor torque [%] : **213**  
 Locked rotor current [%]: **748**

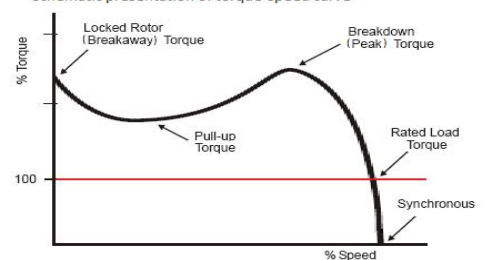
### Breakdown

Break down torque [%] .: **328**

### No-load at nominal

No load current [A].....: **20.66**

Schematic presentation of torque-speed curve



### Configuration / Extra: L11

- squirrel-cage induction motor TCA200LA2E3U46-1001
- Mounting of Anti-Condensation Heaters TCA200 230V



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rotor nl marathon  
Motors

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### Motor:

motor type.....	<b>TCA200LA2E3</b>	<b>2 pole</b>	Insulation class .....	<b>F (155°C)</b>
Environment.....	<b>-20°C to +40°C, up to 1000m above sea level</b>		Degree of protection .....	<b>IP55</b>
Area .....	<b>Safe area</b>		Method of cooling.....	<b>IC411</b>
Execution .....			Mounting .....	<b>IM1001</b>
Rated voltage [Vac] .....	<b>D460</b>	<b>60 Hz</b>	Mass [kg].....	<b>230.06</b>
Output [kW] .....	<b>33.50</b>		Moment of inertia [kgm <sup>2</sup> ] .....	<b>0.24000</b>
Nom. torque [Nm] .....	<b>89.54</b>			
Duty .....	<b>S1</b>			

Bearings.....: DE: 6312/C3 , NDE: Lubrication: ESSO Unirex N3

### At nominal (rated load):

Speed [rpm] .....

temp.rise acc. B (80K)

Nom. current [A].....

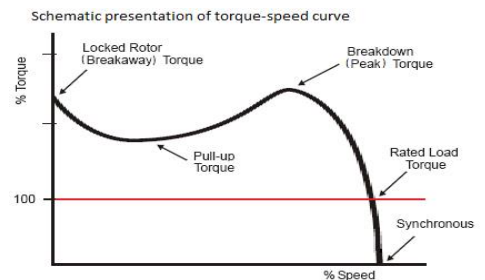
	Partial load - 75%	Full load - 100%	Overload - 125%
Power factor		<b>0.87</b>	
Efficiency [%]		<b>93.0</b>	<b>IE3</b>

### At start

Locked rotor torque [%] : **202**  
Locked rotor current [%]: **773**

### Breakdown

Break down torque [%] .: **331**



### Configuration / Extra: L11

- squirrel-cage induction motor TCA200LA2E3U46-1001
- Mounting of Anti-Condensation Heaters TCA200 230V