

# Order motor-data-sheet

Squirrel-cage induction electric motor

Impexron GmbH

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72793 PFULLINGEN  
GERMANY

Your ref.  
Onze order Q20.0193952  
Our ref. 1320155  
Date 09.03.2020  
ID P000050105



## Motor:

motor type.....: <b>4RDD80B2</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>IP65</b>
Area.....: <b>Safe area</b>		Method of cooling.....: <b>IC411</b>
Execution.....: .....		Mounting.....: <b>IM3041 FF165</b>
Rated voltage [Vac].....: <b>D230 / Y400 50 Hz</b>		Mass [kg].....: <b>26,00</b>
Output [kW].....: <b>1,10</b>		
Nom. torque [Nm].....: <b>3,77</b>		
Duty.....: <b>S1</b>		
Bearings.....: .....		

## At nominal (rated load):

Speed [rpm].....: **2790**  
Temp. rise windings [K] : **50**                      temp.rise acc. B (80K)                      Temp. rise surface [K].....: **20**

Nom. current [A].....: **4,10 / 2,35**                      at 230V / 400V 50Hz                      At no load  
On load

	<u>Partial load - 75%</u>	<u>Full load - 100%</u>	<u>Overload - 125%</u>
Power factor		<b>0,87</b>	
Efficiency [%]		<b>77,0</b>	

## At start

Locked rotor torque [%] : **260**  
Locked rotor current [%]: **610**                      Locked rotor current [A]: **25,01**

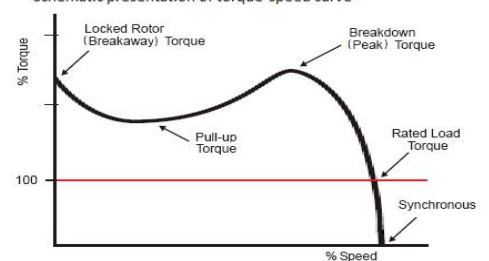
## Breakdown

Break down torque [%] : **290**

## No-load at nominal

No load current [A].....: **1,50**

Schematic presentation of torque-speed curve



## Configuration / Extra: L1

- squirrel cage ind. motor (Ex II 2G Ex de IIC T4/Ex II 2D IP65 T135°C) 4RDD80B2-3041
- Protection class IP65 4RD80

Country of origin                      SLOVENIA

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

GBE

