

# Order motor-data-sheet

Squirrel-cage induction electric motor



Mors 2  
7151 MX EIBERGEN  
THE NETHERLANDS

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Impexron GmbH  
Attn.

Gönningerstr. 99  
72793 PFULLINGEN  
GERMANY

Your ref. IMP218257  
Onze order Q17.0152586  
Our ref. 1320155  
Date 16.08.2017  
ID P000019695

## Motor:

motor type.....: TCA280S4E3	4 pole	Insulation class .....: F (155°C)
Environment.....: -20°C to +40°C, up to 1000m above sea level		Degree of protection .....: IP55
Area .....: Safe area		Method of cooling.....: IC411
Execution .....:		Mounting .....: IM1001
Rated voltage [Vac] D400 / Y 690 50 Hz		Mass [kg].....: 722,00
Output [kW].....: 75,00		Moment of inertia [kgm <sup>2</sup> ] .....: 2,32400
Nom. torque [Nm] .....: 481,03		
Duty .....: S1		
Bearings.....: DE: 6317/C3 , NDE: 6317/C3	Lubrication: ESSO Unirex N3	

## At nominal (rated load):

Speed [rpm] .....: 1489	Phase resistance at 20°C [Ohm]..: 0,54450	
Temp. rise windings [K] : 57	temp.rise acc. B (80K)	Temp. rise surface [K].....: 32

Nom. current [A].....: 130,68/ 75,50 at 400V / 690V 50Hz

	Partial load - 75%	Full load - 100%	Overload - 125%
Power factor		0,86	
Efficiency [%]		95,0	IE3

## At start

Locked rotor torque [%] : 229  
Locked rotor current [%]: 632

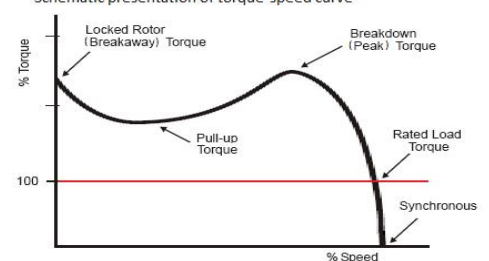
## Breakdown

Break down torque [%] .: 319

## No-load at nominal

No load current [A].....: 41,92

Schematic presentation of torque-speed curve



## Configuration / Extra: 1001

squirrel-cage induction motor TCA280S4E3U46-1001

