

motor-data-sheet

Squirrel-cage induction electric motor

Motor:

motor type: **MA100L04E35** **4 pole**
Environment.....: **-20°C to +40°C, up to 1000m above sea level**
Area: **Safe area**
Execution:
Rated voltage [Vac]: **D400 / Y690 50 Hz**
Output [kW]: **3.00**
Nom. torque [Nm]: **19.62**
Duty: **S1**
Bearings.....: DE: 6206-ZZ/C3 , NDE: 6206-ZZ/C3

Insulation class: **F (155°C)**
Degree of protection: **IP55**
Method of cooling.....: **IC411**
Mounting: **IM1081**
Mass [kg].....: **29.60**
Moment of inertia [kgm²]: **0.01400**

At nominal (rated load):

Speed [rpm]: **1460**
Temp. rise windings [K] : **42** temp.rise acc. B (80K) Temp. rise surface [K].....: **28**

Nom. current [A].....: **5.90 / 3,40** at 400V / 690V 50Hz At no load
On load

	Partial load - 75%	Full load - 100%	Overload - 125%
Power factor		0.83	
Efficiency [%]	87.7	87.7 IE3	

At start

Locked rotor torque [%] : **230**
Locked rotor current [%]: **730** Locked rotor current [A]: **43.58**

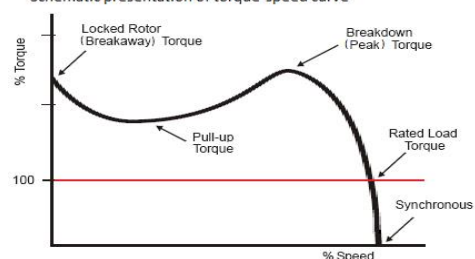
Breakdown

Break down torque [%] .: **370**

No-load at nominal

No load current [A].....: **2.58**

Schematic presentation of torque-speed curve



Configuration / Extra: 1081

- squirrel cage ind. motor MA100L04E35-1081

Country of origin CZECH REPUBLIC

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

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