

Data sheet for three-phase Squirrel-Cage-Motors



MLFB-Ordering data : **1LA7166-0AB61-Z**
A11+B02+C01+G26+K82

Client order no. :
Order no. :
Offer no. :
Remarks :

Item no. :
Consignment no. :
Project :

Electrical data :

Rated voltage : (6) 400 V , 50 Hz

Frequency : 50 Hz

	1. Polz.	2. Polz.	3. Polz.
Rated power :	5,6 kW	11 kW	-/-
Rated speed :	725 1/ min	1450 1/ min	
Rated torque :	74.0 Nm	72.0 Nm	
Rated current :	18.50 A	21.50 A	
IA/IN :	4.2	5.9	
MK/MN :	2.4	2.0	
MA/MN :	2.2	1.7	
Efficiency (IE1) :	78.0	83.0	
Power factor :	0.56	0.89	

Mechanical data :

Moment of inertia : 0.06 kg m²

Bearing DE : 6209 2ZC3

Bearing NDE : 6209 2ZC3

Type of bearing : Locating bearing NDE (standard)

Condensate drainage holes : No

Regreasing device : No

Lubricants : Esso Unirex N3

Grease lifetime/Relubrication interval : 20000

Quantity of grease for relubrication : null g

External earthing terminal : No

Coating : Standard paint finish RAL7030 stone gray

Explosion protection :

Type of protection :

Environmental conditions :

Ambient temperature : -20,0 °C - +40,0 °C

Altitude above sea level :

Standards and specifications : IEC, DIN, ISO, VDE, EN

Technical data are subject to change! There may be discrepancies between calculated and rating plate values.

General data :

Frame size : 160 L

Design of electrical machine : (1) B5

Weight in kg, without optional accessories : 73.0 kg

Frame material : aluminum

Degree of protection : IP 55

Method of cooling, TEFC :

Vibration class : A

Insulation : 155(F) to 130(B)

Duty type : S1

Direction of rotation : bidirectional

Terminal box :

Material of terminal box : Aluminum

Type of terminal box : gk 330

Contact screw thread : M5

Max. cross-sectional area : 16.0 mm²

Cable diameter from ... to ... : 19,0 mm - 28,0 mm

Cable entry : 2xM40x1,5

Cable gland : 2 plugs

Special design :

A11 PTC thermistor motor protection using 6 integrated temperature sensors for shutdown

B02 Acceptance test certificate 3.1 acc. to EN 10204

C01 Brake supply voltage AC 400V, 50Hz

G26 Mounting a brake

K82 Mechanical manual brake release with lever