

Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : **1LA7070-4AB91**
L1Y

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

Item no. :
Consignment no. :
Project :

Electrical data:

Rated voltage : Special voltage, non-standard winding

Frequency : 50 Hz

Rated power : 0.25 kW

Rated speed : 1350 1/ min

Rated torque : 1.8 Nm

Rated current (IE) :	VD	VY	VD	VY
	0.77 A	0.45 A		

Starting / rated current : 3.0

Breakdown / rated torque : 1.9

Starting / rated torque : 1.9

	4/4	3/4	2/4
Efficiency %	61.9%	60.4%	55.9%

Power factor :	0.78	0.72	0.61

Efficiency class : -/-

Mechanical data:

Sound pressure level 50Hz/60Hz (load) : 44 dB(A)

Moment of inertia : 0.00052 kg*m²

Bearing DE : 6202 2ZC3

Bearing NDE : 6202 2ZC3

Type of bearing : Floating bearings pre-loaded DE (standard)

Condensate drainage holes : No

Regreasing device : No

Lubricants : Esso Unirex N3

Grease lifetime/Relubrication interval : 40000 h

Quantity of grease for relubrication : null g

External earthing terminal : No

Coating : Special paint finish RAL 7030 stone gray

Environmental conditions:

Ambient temperature : -20 °C - +40 °C

Altitude above sea level : 1000 m

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

General data:

Frame size 071 M

Design of electrical machine : (1) IM B5 / V1 without canopy

Weight in kg, without optional accessories : 4.80 kg

Frame material : Aluminum

Degree of protection : IP 55

Method of cooling, TEFC : IC 411

Vibration class : A (Standard)

Insulation : 155(F) to 130(B)

Duty type : S1 - continuous duty

Direction of rotation : Bi-directional

Terminal box:

Material of terminal box :

Type of terminal box : gk 030

Contact screw thread :

Max. cross-sectional area :

Cable diameter from ... to ... :

Cable entry :

Cable gland :

Special design:

L1Y Voltage code 9 non-standard winding: L1Y:400VD,690VY,50Hz,0.25kW