

Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : **1LA7083-4AA92-Z**
B02+D22+D31+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 : 0.75 kW

Rated speed : 1395 1/ min

Rated torque : 5.1 Nm

Rated current (IE) :	VD	VY	VD	VY
	1.88 A	1.09 A		

Starting / rated current : 4.2

Breakdown / rated torque : 2.3

Starting / rated torque : 2.3

	4/4	3/4	2/4
Efficiency %	72.1%	72.1%	68.1%

Power factor :	0.80	0.75	0.66

Efficiency class : IE1

Mechanical data:

Sound pressure level 50Hz/60Hz (load) : 47 dB(A)

Moment of inertia : 0.0017 kg*m²

Bearing DE : 6004 2ZC3

Bearing NDE : 6004 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, EN, UL

General data:

Frame size 080 M

Design of electrical machine : (2) IM B14 / V18 / V19, standard flange

Weight in kg, without optional accessories : 10.00 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:

B02 Acceptance test certificate 3.1 acc. to EN 10204

D22 motor without CE character for export outside the EEA (see EU regulation 640/2009)

D31 Version according to UL with "Recognition Mark"

L1Y Voltage code 9 non-standard winding: L1Y:400VD,690VY,50Hz,0.75kW