

Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : **1LA7096-4AA91-Z**
D22+L1D

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

Item no. :
Consignment no. :
Project :

Electrical data:

Rated voltage : 415 VD, 50 Hz

Frequency :	50 Hz
Rated power :	1.50 kW
Rated speed :	1420 1/ min
Rated torque :	10.1 Nm
Rated current (IE) :	VD 3.33 A
Starting / rated current :	5.3
Breakdown / rated torque :	2.6
Starting / rated torque :	2.4
	4/4 3/4 2/4
Efficiency %	77.2% 77.7% 74.2%
Power factor :	0.81 0.76 0.66
Efficiency class :	IE1

Mechanical data:

Sound pressure level 50Hz/60Hz (load) :	48 dB(A)
Moment of inertia :	0.0033 kg*m ²
Bearing DE :	6205 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, VDE, EN

General data:

Frame size	090 L
Design of electrical machine :	(1) IM B5 / V1 without canopy
Weight in kg, without optional accessories :	15.60 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:

D22	motor without CE character for export outside the EEA (see EU regulation 640/2009)
L1D	415 VD, 50 Hz