

Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : **1LA6164-2AA90-Z**
A10+L1B+M39

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

Item no. :
Consignment no. :
Project :

Elec. data - DOL DOL:

Rated voltage : 400 VD, 50 Hz

Frequency :	50 Hz
Rated power :	15.00 kW
Rated speed :	2940 1/ min
Rated torque :	48.7 Nm
Rated current (IE) :	VD 27.00 A
Starting / rated current :	6.6
Breakdown / rated torque :	3.0
Starting / rated torque :	2.2
	4/4 3/4 2/4
Efficiency %	
Power factor :	0.90 0.88 0.83
Efficiency class :	IE1

Mechanical data:

Sound pressure level 50Hz/60Hz (load) :	70 dB(A)
Moment of inertia :	0.043 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 :	40000 h
Quantity of grease for relubrication :	null g
External earthing terminal :	Yes (standard)
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	160 M
Design of electrical machine :	(0) IM B3 / B6 / B7 / B8 / V5 without canopy
Weight in kg, without optional accessories :	105.00 kg
Frame material :	Cast iron
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 335
Contact screw thread :	
Max. cross-sectional area :	
Cable diameter from ... to ... :	
Cable entry :	
Cable gland :	

Special design:

A10	PTC thermistor version for alarm for converter operation in Zones 2, 21, 22
L1B	400 VD, 50 Hz
M39	Version for Zone 22 for non-conductive dust (IP55), for converter operation, reduced power

1)The electrical data of the motor, when operated in conjunction with a converter, must be determined by using the "Sinamics Micromaster Sizer" tool according to the required load data and duty cycle of the application.