

Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : **1LA6130-4AA90-Z**
L1Y+M73

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

Item no. :
Consignment no. :
Project :

Elec. data - DOL DOL:

Rated voltage : Special voltage, non-standard winding

Frequency :	50 Hz		
Rated power :	5.50 kW		
Rated speed :	1455 1/ min		
Rated torque :	36.1 Nm		
Rated current (IE) :	VD VY	VD	VY
	11.60 A 6.72 A		
Starting / rated current :	6.3		
Breakdown / rated torque :	3.1		
Starting / rated torque :	2.5		
	4/4 3/4 2/4		
Efficiency %			
Power factor :	0.81 0.76 0.66		
Efficiency class :	IE1		

Mechanical data:

Sound pressure level 50Hz/60Hz (load) :	62 dB(A)
Moment of inertia :	0.018 kg*m²
Bearing DE :	6208 2ZC3
Bearing NDE :	6208 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 :	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	132 S
Design of electrical machine :	(0) IM B3 / B6 / B7 / B8 / V5 without canopy
Weight in kg, without optional accessories :	55.00 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 235
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,5.5kW
M73	Version for Zone 2, converter operation, red. power, Ex nA II T3 n.IEC 60079-15

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.