

Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : **1LA7083-4AA61-Z**
A11+D22

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

Item no. :
Consignment no. :
Project :

Electrical data:

Rated voltage :							(6) 400 VD/690 VY, 50 Hz, 460 VD, 60 Hz			
Frequency :				50 Hz			60 Hz			
Rated power :				0.75 kW			0.86 kW			
Rated speed :				1395 1/ min			1695 1/ min			
Rated torque :				5.1 Nm			4.8 Nm			
Rated current (IE) :				VD		VY		VD		
				1.88 A		1.09 A		1.79 A		
Starting / rated current :				4.2			5.1			
Breakdown / rated torque :				2.3			2.3			
Starting / rated torque :				2.3			2.3			
				4/4		3/4		2/4		
Efficiency %				72.1%		72.1%		68.1%		
				75.5%		75.5%		72.5%		
Power factor :				0.80		0.75		0.66		
				0.80		0.75		0.65		
Efficiency class :				IE1			-/-			

Mechanical data:

Sound pressure level 50Hz/60Hz (load) :	47 dB(A)	51 dB(A)
Moment of inertia :	0.0017 kg*m ²	
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, VDE, EN

General data:

Frame size	080 M
Design of electrical machine :	(1) IM B5 / V1 without canopy
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:

A11	PTC thermistor motor protection using 3 integrated temperature sensors for shutdown
D22	motor without CE character for export outside the EEA (see EU regulation 640/2009)