

Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : **1LA7073-2AA12-Z**
D31

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

Item no. :
Consignment no. :
Project :

Electrical data:

Rated voltage :	(1) 230 VD/400 VY, 50 Hz, 460 VY, 60 Hz					
Frequency :	50 Hz		60 Hz			
Rated power :	0.55 kW		0.63 kW			
Rated speed :	2800 1/ min		3400 1/ min			
Rated torque :	1.9 Nm		1.8 Nm			
Rated current (IE) :	VD	VY		VY		
	2.37 A	1.36 A		1.36 A		
Starting / rated current :	4.3		4.9			
Breakdown / rated torque :	2.6		2.5			
Starting / rated torque :	2.5		2.6			
	4/4	3/4	2/4	4/4	3/4	2/4
Efficiency %	71.0%	71.0%	67.0%	71.0%	71.0%	67.0%
Power factor :	0.82	0.77	0.67	0.82	0.77	0.67
Efficiency class :	-/-		-/-			

Mechanical data:

Sound pressure level 50Hz/60Hz (load) :	52 dB(A)	56 dB(A)
Moment of inertia :	0.00041 kg*m ²	
Bearing DE :	6202 2ZC3	
Bearing NDE :	6202 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	071 M
Design of electrical machine :	(2) IM B14 / V18 / V19, standard flange
Weight in kg, without optional accessories :	6.00 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:

D31 Version according to UL with "Recognition Mark"