

Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : 1LA7113-2AA60

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 :		4.00 kW			4.60 kW		
Rated speed :		2905 1/ min			3505 1/ min		
Rated torque :		13.2 Nm			12.5 Nm		
Rated current (IE) :		VD	VY	VD			
		8.10 A	4.70 A	7.90 A			
Starting / rated current :		7.2			7.6		
Breakdown / rated torque :		2.9			2.9		
Starting / rated torque :		2.6			2.6		
		4/4	3/4	2/4	4/4	3/4	2/4
Efficiency %		83.1%	83.1%	82.1%	84.5%	84.5%	84.7%
Power factor :		0.86	0.83	0.75	0.86	0.83	0.75
Efficiency class :		IE1			IE1		

Mechanical data:

Sound pressure level 50Hz/60Hz (load) :	63 dB(A)	67 dB(A)
Moment of inertia :	0.0059 kg*m ²	
Bearing DE :	6206 2ZC3	
Bearing NDE :	6205 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	112 M
Design of electrical machine :	(0) IM B3 / B6 / B7 / B8 / V5 without canopy
Weight in kg, without optional accessories :	29.00 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 130
Contact screw thread :	
Max. cross-sectional area :	
Cable diameter from ... to ... :	
Cable entry :	
Cable gland :	

Special design: