SIEMENS

Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : **1LA7096-2AA11-Z**
C13

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 :	2.20 kW			2.55 kW		
Rated speed :	2880 1/ min			3480 1/ min		
Rated torque :	7.3 Nm			7.0 Nm		
Rated current (IE) :	VD 8.17 A	VY 4.70 A			VY 4.55 A	
Starting / rated current :	6.3			6.5		
Breakdown / rated torque :	3.1			3.1		
Starting / rated torque :	2.8			2.8		
	4/4	3/4	2/4	4/4	3/4	2/4
Efficiency %	79.7%	79.7%	78.7%	81.5%	81.5%	78.9%
Power factor :	0.85	0.81	0.73	0.86	0.83	0.75
Efficiency class :	IE1			IE1		

Mechanical data:

Sound pressure level 50Hz/60Hz (load) :	60 dB(A) | 64 dB(A)
Moment of inertia :	0.0018 kg*m²
Bearing DE :	6205 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 :	
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 - +55 °C
Altitude above sea level :	1000 m
Standards and specifications :	IEC, DIN, ISO, VDE, EN

General data:

Frame size	090 L
Design of electrical machine :	(1) IM B5 / V1 without canopy
Weight in kg, without optional accessories :	15.70 kg
Frame material :	Aluminum
Degree of protection :	IP 55
Method of cooling, TEFC :	IC 411
Vibration class :	A (Standard)
Insulation :	155(F) to 155(F)
Duty type :	S1 - continuous duty
Direction of rotation :	Bi-directional

Terminal box:

Material of terminal box :	Aluminum
Type of terminal box :	gk 030
Contact screw thread :	M4
Max. cross-sectional area :	1.50 mm²
Cable diameter from ... to ... :	9.00 mm - 17.00 mm
Cable entry :	1xM25x1,5-1xM16x1,5
Cable gland :	2 plugs

Special design:

C13 Temperature class 155 (F), utilised to 155 (F), with increased cooling medium temperature