SIEMENS

Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : **1LA7090-6AA11**

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 :	0.75 kW			0.86 kW		
Rated speed :	915 1/ min			1115 1/ min		
Rated torque :	7.8 Nm			7.4 Nm		
Rated current (IE) :	VD 3.57 A	VY 2.05 A			VY 1.97 A	
Starting / rated current :	3.7			4.1		
Breakdown / rated torque :	2.2			2.2		
Starting / rated torque :	2.2			2.2		
	4/4	3/4	2/4	4/4	3/4	2/4
Efficiency %	70.0%	70.0%	66.0%	73.0%	73.0%	70.0%
Power factor :	0.76	0.70	0.58	0.75	0.69	0.56
Efficiency class :	-/-			IE1		

General data:

Frame size	090 S
Design of electrical machine :	(1) IM B5 / V1 without canopy
Weight in kg, without optional accessories :	12.50 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

Mechanical data:

Sound pressure level 50Hz/60Hz (load) :	43 dB(A) | 47 dB(A)
Moment of inertia :	0.0024 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 :	40000 h
Quantity of grease for relubrication :	null g
External earthing terminal :	No
Coating :	Special paint finish RAL 7030 stone gray

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:

Environmental conditions:

Ambient temperature :	-20 °C - +40 °C
Altitude above sea level :	1000 m
Standards and specifications :	IEC, DIN, ISO, VDE, EN

Technical data are subject to change! There may be discrepancies between calculated and rating plate values.