SIEMENS

Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : **1LA7090-4AA11**

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 :	1.10 kW			1.30 kW		
Rated speed :	1415 1/ min			1715 1/ min		
Rated torque :	7.4 Nm			7.2 Nm		
Rated current (IE) :	VD 4.52 A	VY 2.60 A			VY 2.45 A	
Starting / rated current :	4.6			5.0		
Breakdown / rated torque :	2.4			2.4		
Starting / rated torque :	2.3			2.3		
	4/4	3/4	2/4	4/4	3/4	2/4
Efficiency %	75.0%	75.0%	72.0%	79.0%	79.5%	77.0%
Power factor :	0.81	0.76	0.66	0.82	0.77	0.67
Efficiency class :	IE1			IE1		

General data:

Frame size	090 S
Design of electrical machine :	(1) IM B5 / V1 without canopy
Weight in kg, without optional accessories :	13.00 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:

Mechanical data:

Sound pressure level 50Hz/60Hz (load) :	48 dB(A)	52 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	

Environmental conditions:

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

آبادیزل نمایندگی فروش الکتروموتور زیمنس
تهران - خیابان سعدی جنوبی مجتمع
تجاری اداری سعدی - طبقه ۴ - واحد ۴۱۲
۰۹۱۲۷۶۳۱۳۸۷ ۰۲۱-۳۳۹۹۲۲۹۴
۰۹۱۲۴۴۵۵۷۹۳ ۰۲۱-۳۳۹۱۴۰۸۴

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