SIEMENS

Data sheet for three-phase Squirrel-Cage-Motors

MLFB-Ordering data : **1LA7096-4AA12**

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

	50 Hz	60 Hz
Frequency :		
Rated power :	1.50 kW	1.75 kW
Rated speed :	1420 1/ min	1720 1/ min
Rated torque :	10.1 Nm	9.7 Nm
Rated current (IE) :	VD 6.00 A / VY 3.45 A	VY 3.30 A
Starting / rated current :	5.3	5.6
Breakdown / rated torque :	2.6	2.6
Starting / rated torque :	2.4	2.4

	4/4	3/4	2/4	4/4	3/4	2/4
Efficiency %	77.2%	77.7%	74.2%	81.5%	81.5%	80.5%
Power factor :	0.81	0.76	0.66	0.82	0.77	0.67
Efficiency class :	IE1			IE1		

Mechanical data:

Sound pressure level 50Hz/60Hz (load) :	48 dB(A) / 52 dB(A)
Moment of inertia :	0.0033 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

General data:

Frame size	090 L
Design of electrical machine :	(2) IM B14 / V18 / V19, standard flange
Weight in kg, without optional accessories :	15.60 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: