

Data sheet for three-phase Squirrel-Cage-Motors



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

without (standard)

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	VY	VY			
	3.57 A	2.05 A	1.97 A			
Starting / rated current :	3.7		4.1			
Breakdown / rated torque :	2.2		2.2			
Starting / rated torque :	2.2		2.2			
Efficiency %	4/4	3/4	2/4	4/4	3/4	2/4
	70.0%	70.0%	66.0%	73.0%	73.0%	70.0%
	0.76	0.70	0.58	0.75	0.69	0.56
Power factor :	0.76	0.70	0.58	0.75	0.69	0.56
Efficiency class :	-/-		IE1			

Mechanical data:

Sound pressure level 50Hz/60Hz (load) :	43 dB(A)	47 dB(A)
Moment of inertia :	0.0024 kg*m ²	
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 S
Type of construction :	(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

Terminal box:

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

Special design: