

Data sheet for three-phase Squirrel-Cage-Motors



MLFB-Ordering data : 1LA7096-4AA16-Z
C13

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 :	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	VY	VY			
	6.00 A	3.45 A	3.30 A			
Starting / rated current :	5.3		5.6			
Breakdown / rated torque :	2.6		2.6			
Starting / rated torque :	2.4		2.4			
Efficiency %	4/4	3/4	2/4	4/4	3/4	2/4
	77.2%	77.7%	74.2%	81.5%	81.5%	80.5%
	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*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 :		
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 rotating electrical machines :	(6) IM B35
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 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 mm ²
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