

Data sheet for three-phase Squirrel-Cage-Motors



MLFB-Ordering data : **1LA9070-4KA11**

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 :	0.25 kW		0.25 kW			
Rated speed :	1410 1/ min		1730 1/ min			
Rated torque :	1.7 Nm		1.4 Nm			
Rated current (IE) :	VD	VY	VY			
	1.32 A	0.76 A	0.86 A			
Starting / rated current :	4.3		4.9			
Breakdown / rated torque :	3.1		3.4			
Starting / rated torque :	3.6		3.6			
Efficiency %	4/4	3/4	2/4	4/4	3/4	2/4
	74.0%	74.0%	71.0%	69.0%		
Power factor :	0.64	0.56	0.36	0.60		
Efficiency class :	-/-		EPACT			

Mechanical data:

Sound pressure level 50Hz/60Hz (load) :	44 dB(A)	48 dB(A)
Moment of inertia :	0.00076 kg*m ²	
Bearing DE : Bearing NDE :	6202 2ZC3	6202 2ZC3
Lh10 bearing livetime at coupling output 50Hz/60Hz	40000h	32000h
Lh10 bearing livetime at maximum loads 50Hz /60Hz	20000h	16000h
Type of bearing :	Floating bearings pre-loaded DE (standard)	

Regreasing device : No

Lubricants : Esso Unirex N3

Grease lifetime/Relubrication interval : 40000 h null g

Condensate drainage holes : No

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	071 M
Design of rotating electrical machines :	(1) IM B5 / V1 without canopy
Weight in kg, without optional accessories :	6.00 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 :	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: