SIEMENS

Datasheet for three-phase Squirrel-Cage-Motors



Ordering data : **1LA7073-4AB11**

Client-order-no. :
Order-no. :
Offer-no. :
Remarks :

Item-no. :
Consignment-no. :
Project :

Electrical data / :

Rated motor voltage	(1) 230 VD/400 VY, 50 Hz, 460 VY, 60 Hz					
Frequency	50 Hz			60 Hz		
Rated motor power	0,37 kW			0,43 kW		
Rated motor speed	1370 1/ min			1669 1/ min		
Rated motor torque	2,6 Nm			2,5 Nm		
Rated motor current (IE) :	VD 1,84 A	VY 1,06 A			VY 1,08 A	
Starting- / rated motor current	3,3			3,8		
Breakdown / rated motor	2,1			2,2		
Starting- / rated motor torque	1,9			2,0		
	4/4	3/4	2/4	4/4	3/4	2/4
Efficiency %	65,8%	64,8%	60,8%	65,8%	64,8%	60,8%
Power factor	0,78	0,72	0,61	0,76	0,70	0,58
Efficiency class /	-/-			-/-		

Mechanical data:

Noise 50 Hz/60Hz	44.0(A)	48.0(A)
Moment of inertia	0,00077 kg*m²	
Bearing DE	6202 2ZC3	
Bearing NDE	6202 2ZC3	
Locating bearing	Floating bearings, pre-loaded DE (standard)	
Drain holes	No	
Regreasing device	No	
Type of lubrication	Esso Unirex N3	
Relubrication interval at 40°C	40000 h	
Quantity of grease for relubrication at 40°C	- g	
External earthing	no	
Coating	Special paint finish, RAL7030 gray	

Explosion protection:

Type of protection	Without (standard)

Site 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
Type of construction	(1) IM B5 / V1 w/o 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 operation
Direction of rotation	bi-directional

Terminal box:

Material of terminal box	aluminium
Type	gk 030
Terminal screw thread	M4
Max. cable cross-sectional area	1.50 mm²
Cable diameter from ... to ...	9.00 mm - 17.00 mm
Cable entry	1xM25x1,5-1xM16x1,5
Cable gland	2 plugs

Special configurations:

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

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