SIEMENS

Datasheet for three-phase Squirrel-Cage-Motors



Ordering data : **1LA7073-2AA10**

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	0,55 kW			0,63 kW		
Rated motor speed	2800 1/ min			3400 1/ min		
Rated motor torque	1,9 Nm			1,8 Nm		
Rated motor current (IE) :	VD 2,37 A	VY 1,36 A			VY 1,36 A	
Starting- / rated motor current	4,3			4,9		
Breakdown / rated motor	2,6			2,5		
Starting- / rated motor torque	2,5			2,6		
	4/4	3/4	2/4	4/4	3/4	2/4
Efficiency %	71,0%	71,0%	67,0%	71,0%	71,0%	67,0%
Power factor	0,82	0,77	0,67	0,82	0,77	0,67
Efficiency class /	-/-			-/-		

Mechanical data:

Noise 50 Hz/60Hz	52.0(A)	56.0(A)
Moment of inertia	0,00041 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	(0) IM B3 / B6 B7 / B8 / V5 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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