SIEMENS

Datasheet for three-phase Squirrel-Cage-Motors

Ordering data : **1LE1001-1AA43-4AA4**

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

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

Electrical data / :

Rated motor voltage	(34) 400VD/690VY 50Hz, 460VD 60Hz					
Frequency	50 Hz			60 Hz		
Rated motor power	3,00 kW			3,45 kW		
Rated motor speed	2905 1/min			3505 1/min		
Rated motor torque	9,9 Nm			9,4 Nm		
	VD	VY		VD		
Rated motor current (IE) :	6,1 A	3,5 A		5,8 A		
Starting- / rated motor current	7,0			7,3		
Breakdown / rated motor torque	3,3			3,3		
Starting- / rated motor torque	2,3			2,2		
Efficiency class	IE2			IE2		
	4/4	3/4	2/4	4/4	3/4	2/4
Efficiency (60034-2-1) :	84,6%	85,2%	84,7%	87,5%	86,4%	86,0%
Power factor	0,84	0,77	0,64	0,85	0,80	0,68
Motor protection :	(A) without (Standard)					
Terminal box position :	(4) terminal box - on top					

General data / :

Frame size	100 L
Type of construction	IM B3
Weight in kg, without optional accessories	21.0 kg
Frame material	aluminum
Degree of protection	IP55
Method of cooling, TEFC	IC 411
Vibration class	A (Standard)
Insulation	155(F) to 130(B)
Duty type	S1 = continuous operation
Direction of rotation	bidirectional

Terminal box / :

Material of terminal box	Aluminum
Type	TB1 F00
Terminal screw thread	M4
Max. cable cross-sectional area	4.0 mm²
Cable diameter from ... to ...	11.0 mm - 21.0 mm
Cable entry	2xM32x1,5
Cable gland	2 plugs

Special configurations / :

Mechanical data / :

Noise 50 Hz/60Hz	67.0 dB(A)	71.0 dB(A)
Moment of inertia	0,0044 kg m²	
Bearing AS | BS	6206 2ZC3	6206 2ZC3
Locating bearing	pre-stressed Bearing NDE	
Drain holes	No	
Regreasing device	No	
Type of lubrication	Esso Unirex N3	
Relubrication interval	40000 h	- g
External earthing	No	
Coating	Special finish in RAL 7030 stone gray	

Explosion protection / :

Type of protection	without (Standard)

Site conditions / :

Ambient temperature	-20.0 °C - +40 °C
Altitude above sea level	1000 m
Standards and specifications	IEC, DIN, ISO, VDE, EN

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