Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS

Motor type : 1AV1132D **SIMOTICS GP - 132 M - IM B5 - 8p**

Client order no.	Item-No.	Offer no.
Order no.	Consignment no.	Project
Remarks		

Electrical data

Safe Area

U [V]	Δ / Y	f [Hz]	P [kW]	P [hp]	I [A]	n [1/min]	M [Nm]	η 3) 4/4	η 3) 3/4	η 3) 2/4	cosφ 3) 4/4	cosφ 3) 3/4	cosφ 3) 2/4	I_A/I_N I_I/I_N	M_A/M_N T_I/T_N	M_K/M_N T_B/T_N	IE-CL
220	Δ	50	3.00	-/-	15.00	715	40.0	77.0	77.4	75.2	0.68	0.60	0.47	3.9	1.8	2.2	IE1
380	Y	50	3.00	-/-	8.70	715	40.0	77.0	77.4	75.2	0.68	0.60	0.47	3.9	1.8	2.2	IE1
440	Y	60	3.45	-/-	8.30	865	38.0	80.0	80.3	78.4	0.68	0.61	0.48	4.6	1.7	2.3	IE1

IM B5 / IM 3001	FS 132 M	44 kg	IP55	IEC/EN 60034	IEC, DIN, ISO, VDE, EN

Environmental conditions : -20 °C - + °C / 1,000 m

Locked rotor time (hot / cold) : 27.8 s | 46.4 s

Mechanical data

Sound level (SPL / SWL) at 50Hz|60Hz	63.0 / 75.0 dB(A) 2)	66.0 / 78.0 dB(A) 2)
Moment of inertia	0.0240 kg m²	
Bearing DE | NDE	6208 Z C3	6208 Z C3
bearing lifetime		
L_{10mh} $F_{Rad\ min}$ for coupling operation 50|60Hz 1)	40000 h	32000 h
Lubricants	Unirex N3	
Regreasing device	No	
Grease nipple	-/-	
Type of bearing	Preloaded bearing DE	
Condensate drainage holes	-/-	

External earthing terminal	No
Vibration severity grade	A
Insulation	180(H) to 180(H)
Duty type	S1
Direction of rotation	bidirectional
Frame material	aluminum
Coating (paint finish)	Standard paint finish C2
Color, paint shade	RAL7030
Motor protection	(A) without (Standard)
Method of cooling	IC411 - self ventilated, surface cooled

Terminal box

Terminal box position	top	Max. cross-sectional area	6.0 mm²
Material of terminal box	Aluminium	Cable diameter from ... to ...	11.0 mm - 21.0 mm
Type of terminal box	TB1 H00	Cable entry	2xM32x1,5
Contact screw thread	M4	Cable gland	2 plugs

Notes:

I_A/I_N = locked rotor current / current nominal
M_A/M_N = locked rotor torque / torque nominal
M_K/M_N = break down torque / nominal torque

1) L10mh according to DIN ISO 281 10/2010
2) at rated power / at full load
3) Value is valid only for DOL operation with motor design IC411

responsible dep.	technical reference	created by	approved by	
DI MC LVM		DT Configurator		*Technical data are subject to change! There may be discrepancies between calculated and rating plate values.*

SIEMENS

document type		document status	customer	
datasheet		released		
title		document number		
1LE1002-1CD22-1FA4-Z				
N11		rev.	creation date	language / Page
		01	2021-04-21 19:22	en / 1/2

Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS

Motor type : 1AV1132D **SIMOTICS GP - 132 M - IM B5 - 8p**

Special design

N11	Temperature class 180(H), and coolant temperature max. 60°C

Notes:

responsible dep.	technical reference	created by	approved by	
DI MC LVM		DT Configurator		*Technical data are subject to change! There may be discrepancies between calculated and rating plate values.*

SIEMENS	document type: datasheet		document status: released	customer	
	title: 1LE1002-1CD22-1FA4-Z		document number		
	N11	rev.: 01	creation date: 2021-04-21 19:22	language: en	Page: 2/2