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

Motor type : 1AV3132B **SIMOTICS GP - 132 M - IM B5 - 4p**

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
DOL duty (S1) - 155(F) to 130(B)																	
230	Δ	50	7.50	-/-	26.00	1465	49.0	90.4	90.7	90.4	0.80	0.74	0.63	8.5	3.0	3.8	IE3
400	Y	50	7.50	-/-	15.00	1465	49.0	90.4	90.7	90.4	0.80	0.74	0.63	8.5	3.0	3.8	IE3
460	Y	60	8.60	-/-	14.90	1765	46.5	89.5	90.0	89.4	0.81	0.76	0.65	8.8	3.0	3.8	IE2
460	Y	60	7.50	-/-	13.00	1770	40.5	91.7	91.6	90.6	0.79	0.73	0.61	9.8	3.4	4.3	IE3
IM B5 / IM 3001			FS 132 M			IP55		IEC/EN 60034			IEC, DIN, ISO, VDE, EN						

Environmental conditions : -20 °C - +40 °C / 1,000 m

Locked rotor time (hot / cold) : 14.8 s | 20.1 s

Mechanical data

Sound level (SPL / SWL) at 50Hz|60Hz	64 / 76 dB(A) 2) 3)	68 / 80 dB(A) 2) 3)
Moment of inertia	0.0334 kg m²	
Bearing DE | NDE	6208 2Z C3	6208 2Z 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	No	
External earthing terminal	No	

Vibration severity grade	A
Thermal class	F
Duty type	S1
Direction of rotation	bidirectional
Frame material	aluminum
Net weight of the motor (IM B3)	61 kg
Coating (paint finish)	Standard paint finish C2
Color, paint shade	RAL7030
Motor protection	(F) 1 temperature sensor KTY84-130 (2 terminals)
Method of cooling	IC411 - self ventilated, surface cooled

Terminal box

Terminal box position	top	Max. cross-sectional area	6 mm²
Material of terminal box	Aluminium	Cable diameter from ... to ...	11 mm - 21 mm
Type of terminal box	TB1 H00	Cable entry	2xM32x1,5-1xM16x1,5
Contact screw thread	M4	Cable gland	3 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.*

Link documents

SIEMENS

document type	document status
datasheet	released
title: **1LE1003-1CB22-2FF4-Z** **G41**	document number

rev.	creation date	language	Page
01	2022-07-12	en	1/2

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

Motor type : 1AV3132B **SIMOTICS GP - 132 M - IM B5 - 4p**

Special design

G41	Prepared to mount components with D12 shaft

Notes:

responsible dep. DI MC LVM	technical reference	created by DT Configurator	approved by	*Technical data are subject to change! There may be discrepancies between calculated and rating plate values.*	Link documents
SIEMENS	document type datasheet			document status released	
	title 1LE1003-1CB22-2FF4-Z G41			document number	
				rev. 01 / creation date 2022-07-12 / language en / Page 2/2	