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

Motor type : 1AV3136B **SIMOTICS GP - 132 M - IM B3 - 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	11.00	-/-	38.00	1470	71.0	91.4	91.8	91.1	0.79	0.73	0.61	8.3	2.8	3.8	IE3
400	Y	50	11.00	-/-	22.00	1470	71.0	91.4	91.8	91.1	0.79	0.73	0.61	8.3	2.8	3.8	IE3
460	Y	60	12.60	-/-	21.00	1770	68.0	92.4	92.6	92.0	0.81	0.76	0.65	8.8	2.7	3.8	IE3
460	Y	60	11.00	-/-	19.20	1775	59.0	92.4	92.0	91.0	0.78	0.72	0.60	9.8	3.1	4.4	IE3
IM B3 / IM 1001			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) : 14.5 s | 20.8 s

Mechanical data

Sound level (SPL / SWL) at 50Hz|60Hz	69 / 73 dB(A) 2)	69 / 73 dB(A) 2)	
Moment of inertia	0.0410 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)	81 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	IC416 - separately ventilated, surface cooled

Terminal box

Terminal box position	left	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	document number
1LE1003-1CB62-2AF6-Z **F70+G11**	

rev.	creation date	language	Page
01	2021-12-07	en	1/2

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

Motor type : 1AV3136B **SIMOTICS GP - 132 M - IM B3 - 4p**

Special design

F70	Mounting of separately driven fan	G11	Rotary pulse encoder Sendix 5020 (HTL)

Notes:

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

SIEMENS

document type	document status
datasheet	released

title	document number
1LE1003-1CB62-2AF6-Z	
F70+G11	

rev.	creation date	language	Page
01	2021-12-07	en	2/2