

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	Δ / Y	f	P	P	I	n	M	η ³⁾			cosφ ³⁾			I _A /I _N	M _A /M _N	M _K /M _N	IE-CL
[V]		[Hz]	[kW]	[hp]	[A]	[1/min]	[Nm]	4/4	3/4	2/4	4/4	3/4	2/4	I _I /I _N	T _I /T _N	T _B /T _N	
230	Δ	50	7.50	-/-	25.00	1470	48.5	90.4	91.1	90.8	0.84	0.80	0.71	7.4	2.4	3.5	IE3
400	Y	50	7.50	-/-	14.30	1470	48.5	90.4	91.1	90.8	0.84	0.80	0.71	7.4	2.4	3.5	IE3
460	Y	60	8.60	-/-	14.20	1770	46.5	89.5	90.0	89.5	0.85	0.81	0.73	7.5	2.1	3.5	IE2
460	Y	60	7.50	-/-	12.70	1775	40.5	89.5	89.6	88.6	0.83	0.79	0.69	8.5	2.4	4.0	IE2
IM B5 / IM 3001		FS 132 M		64 kg		IP55		IEC/EN 60034		IEC, DIN, ISO, VDE, EN							

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

Locked rotor time (hot / cold) : 15.6 s | 22 s

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	69.0 / 73.0 dB(A) ²⁾	69.0 / 73.0 dB(A) ²⁾	External earthing terminal	No
Moment of inertia	0.0460 kg m ²		Vibration severity grade	A
Bearing DE NDE	6208 2Z C3	6208 2Z C3	Insulation	155(F) to 130(B)
bearing lifetime			Duty type	S1
L _{10mh} F _{Rad min} 50 60Hz ¹⁾ for coupling operation	40000 h	32000 h	Direction of rotation	bidirectional
Lubricants	Unirex N3		Frame material	aluminum
Regreasing device	No		Coating (paint finish)	Standard paint finish C2
Grease nipple	-/-		Color, paint shade	RAL7030
Type of bearing	Preloaded bearing DE		Motor protection	(F) 1 temperature sensor KTY84-130 (2 terminals)
Condensate drainage holes	No		Method of cooling	IC416 - separately ventilated, surface cooled

Terminal box

Terminal box position	top	Max. cross-sectional area	6.0 mm ²
Material of terminal box	Aluminium	Cable diameter from ... to ...	11.0 mm - 21.0 mm
Type of terminal box	TB1 H00	Cable entry	2xM32x1,5-1xM16x1,5
Contact screw thread	M4	Cable gland	3 plugs

Notes:

I_A/I_N = locked rotor current / current nominal
M_K/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	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.			
DI MC LVM		DT Configurator					
	document type	datasheet		document status	released		
	title	1LE1003-1CB22-2FF4-Z		document number			
© Siemens AG 2021		F70+G06+M01		rev.	creation date	language	Page
				01	2021-05-07 10:07	en	1/2

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



Motor type : 1AV3132B

SIMOTICS GP - 132 M - IM B5 - 4p

Special design

F70	Mounting of separately driven fan	M01	Connection when shipped, star connection
G06	Mounting a rotary pulse encoder HOG 10 D 1024 I		

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.			
	document type datasheet			document status released		customer		
	title 1LE1003-1CB22-2FF4-Z			document number				
© Siemens AG 2021	F70+G06+M01			rev. 01	creation date 2021-05-07 10:07	language en	Page 2/2	