

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



Motor type : 1AV1131A

SIMOTICS GP - 132 S - IM B3 - 2p

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⁾			$\cos\phi$ ³⁾			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
								4/4	3/4	2/4	4/4	3/4	2/4				
400	Δ	50	7.50	-/-	14.30	2925	24.5	86.0	86.6	86.1	0.88	0.83	0.73	6.8	2.2	3.1	IE1
690	Y	50	7.50	-/-	8.30	2925	24.5	86.0	86.6	86.1	0.88	0.83	0.73	6.8	2.2	3.1	IE1
460	Δ	60	8.60	-/-	14.00	3525	23.0	87.5	88.0	86.9	0.88	0.84	0.75	7.1	2.1	3.2	IE1

IM B3 / IM 1001	FS 132 S	40 kg	IP55	IEC/EN 60034	IEC, DIN, ISO, VDE, EN
-----------------	----------	-------	------	--------------	------------------------

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

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	68.0 / 80.0 dB(A) ²⁾	72.0 / 84.0 dB(A) ²⁾	External earthing terminal	No
Moment of inertia	0.0160 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} for coupling operation 50 60Hz ¹⁾	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	(A) without (Standard)
Condensate drainage holes	No		Method of cooling	IC411 - self 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
Contact screw thread	M4	Cable gland	2 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. DI MC LVM	technical reference	created by DT Configurator	approved by	<i>Technical data are subject to change! There may be discrepancies between calculated and rating plate values.</i>
-------------------------------	---------------------	-------------------------------	-------------	---

SIEMENS	document type datasheet	document status released	customer	
	title 1LE1002-1CA13-4AA4	document number		
© Siemens AG 2021	rev. 01	creation date 2021-01-17 20:25	language en	Page 1/1