

SIMOTICS GP - 100 L - IM B5 - 4p

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

Safe Area

U	Δ / Y	f	P	P	I	n	M	$\eta^{3)}$			$\cos\varphi^{3)}$			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_A/I_N	T_I/T_N	T_B/T_N	
230	Δ	50	3.00	-/-	10.30	1460	19.6	90.4	91.0	90.5	0.81	0.75	0.64	8.8	3.5	4.2	IE4
400	Y	50	3.00	-/-	5.90	1460	19.6	90.4	91.0	90.5	0.81	0.75	0.64	8.8	3.5	4.2	IE4
460	Y	60	3.45	-/-	5.80	1760	18.7	91.0	91.4	90.9	0.82	0.76	0.66	9.1	3.6	4.3	IE4
460	Y	60	3.00	-/-	5.20	1765	16.2	91.0	91.0	90.0	0.80	0.73	0.62	10.1	4.1	5.0	IE4

IM B5 / IM 3001		FS 100 L	38 kg	IP55		IEC/EN 60034	IEC, DIN, ISO, VDE, EN		
-----------------	--	----------	-------	------	--	--------------	------------------------	--	--

Locked rotor time (hot / cold) : 18.3 s | 22.7 s

Sound level (SPL / SWL) at 50Hz 60Hz	63.0 / 75.0 dB(A) ²⁾	66.0 / 78.0 dB(A) ²⁾	External earthing terminal	No
Moment of inertia	0.0160 kg m²		Vibration severity grade	A
Bearing DE NDE	6206 2Z C3	6206 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	-/-		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box position	top	Max. cross-sectional area	4.0 mm²
Material of terminal box	Aluminium	Cable diameter from ... to ...	11.0 mm - 21.0 mm
Type of terminal box	TB1 F00	Cable entry	2xM32x1,5
Contact screw thread	M4	Cable gland	2 plugs

I_{lr}/I_{ln} = locked rotor current / current nominal M_{lr}/M_{ln} = locked rotor torque / torque nominal M_b/M_{ln} = 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>
-------------------------------	---------------------	-------------------------------	-------------	---

	document type	document status		customer	
	datasheet	released			
© Siemens AG 2021	title	document number		language	Page
	1LE1004-1AB52-2FA4-Z				
	G41	rev.	creation date		
		01	2021-04-21 14:12	en	1/2

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



Motor type : 1AV4105B

SIMOTICS GP - 100 L - 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.			
	document type datasheet			document status released		customer		
	title 1LE1004-1AB52-2FA4-Z			document number				
© Siemens AG 2021	G41			rev. 01	creation date 2021-04-21 14:12		language en	Page 2/2