

SIMOTICS GP - 100 L - IM B3 - 4p

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

Remarks

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	
380	Δ	50	3.00	-/-	6.50	1455	19.7	85.5	86.4	85.6	0.82	0.76	0.64	6.9	2.0	3.1	IE2
660	Y	50	3.00	-/-	3.75	1455	19.7	85.5	86.4	85.6	0.82	0.76	0.64	6.9	2.0	3.1	IE2
440	Δ	60	3.45	-/-	6.30	1755	18.8	87.5	88.2	87.3	0.82	0.77	0.65	7.5	2.0	3.1	IE2
440	Δ	60	3.00	-/-	5.70	1765	16.2	87.5	87.5	86.0	0.79	0.72	0.60	8.3	2.4	3.7	IE2

IM B3 / IM 1001	FS 100 L	25 kg	IP55	IEC/EN 60034	IEC, DIN, ISO, VDE, EN
-----------------	----------	-------	------	--------------	------------------------

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

Locked rotor time (hot / cold) : 9.57 s | 14.6 s

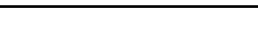
Sound level (SPL / SWL) at 50Hz 60Hz	60.0 / 72.0 dB(A) ²⁾	62.0 / 74.0 dB(A) ²⁾	External earthing terminal	No
Moment of inertia	0.0140 kg m²		Vibration severity grade	A
Bearing DE NDE	6206 2Z C3	6206 2Z C3	Insulation	155(F) to 130(B)
bearing lifetime			Duty type	S1
L _{10mh} F _{Rad min} 50 60Hz ¹⁾ for 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	(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

Notes:

I_{Lr}/I_{Ln} = locked rotor current / current nominal	1) L10mh according to DIN ISO 281 10/2010	3) Value is valid only for DOL operation with motor design IC411
M_r/M_{Ln} = locked rotor torque / torque nominal	2) at rated power / at full load	
M_b/M_{Ln} = break down torque / nominal torque		

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			
	title	document number			
	1LE1001-1AB53-3AA4				
© Siemens AG 2021		rev. 01	creation date 2021-04-25 22:02	language en	Page 1/1