

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_l/I_N	T_l/T_N	T_B/T_N	
230	Δ	50	3.00	-/-	10.30	1460	19.6	87.7	88.4	88.2	0.83	0.78	0.69	7.3	2.3	3.7	IE3
400	Y	50	3.00	-/-	5.90	1460	19.6	87.7	88.4	88.2	0.83	0.78	0.69	7.3	2.3	3.7	IE3
460	Y	60	3.45	-/-	5.80	1760	18.7	89.5	90.1	89.4	0.84	0.79	0.68	7.6	2.2	3.8	IE3
460	Y	60	3.00	-/-	5.20	1765	16.2	89.5	89.6	88.9	0.81	0.76	0.68	8.6	2.6	4.3	IE3
IM B5 / IM 3001			FS 100 L		30 kg		IP55			IEC/EN 60034		IEC, DIN, ISO, VDE, EN					

Locked rotor time (hot / cold) : 13.9 s | 18.5 s

Sound level (SPL / SWL) at 50Hz 60Hz	59.0 / 63.0 dB(A) ²⁾	59.0 / 63.0 dB(A) ²⁾	External earthing terminal	No
Moment of inertia	0.0140 kg m ²		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	IC416 - separately 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	1) L10mh according to DIN ISO 281 10/2010	3) Value is valid only for DOL operation with motor design IC411
M_{lr}/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.	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					
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Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS



Motor type : 1AV3105B

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Special design

F70 Mounting of separately driven fan

Notes:

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