

SIMOTICS GP - 112 M - IM B5 - 6p

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_I/I_N	T_I/T_N	T_B/T_N	
400	Δ	50	2.20	-/-	5.20	965	22.0	81.8	82.7	81.7	0.75	0.68	0.55	5.0	2.0	2.8	IE2
690	Y	50	2.20	-/-	3.00	965	22.0	81.8	82.7	81.7	0.75	0.68	0.55	5.0	2.0	2.8	IE2
460	Δ	60	2.54	-/-	4.90	1165	21.0	87.5	88.4	87.6	0.75	0.68	0.57	5.5	1.9	2.8	IE2
460	Δ	60	2.20	-/-	4.30	1170	18.0	87.5	87.6	85.9	0.73	0.65	0.53	6.3	2.1	3.2	IE2

IM B5 / IM 3001	FS 112 M	29 kg	IP55	IEC/EN 60034	IEC, DIN, ISO, VDE, EN
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Locked rotor time (hot / cold) : 26.6 s | 36.7 s

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	62.0 / 74.0 dB(A) ²⁾	65.0 / 77.0 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	IC411 - self ventilated, surface cooled

Terminal box

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

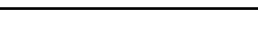
Notes:

I_A/I_N = locked rotor current / current nominal
 M_A/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>
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