

SIMOTICS GP - 160 M - IM B5 - 2p

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

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Safe Area

U	Δ / Y	f	P	P	I	n	M	η ³⁾			cosφ 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	15.00	-/-	27.00	2955	48.5	90.3	90.7	90.0	0.88	0.83	0.73	7.6	2.4	3.4	IE2
690	Y	50	15.00	-/-	15.80	2955	48.5	90.3	90.7	90.0	0.88	0.83	0.73	7.6	2.4	3.4	IE2
460	Δ	60	17.30	-/-	27.00	3555	46.5	91.0	91.3	90.3	0.89	0.87	0.81	7.6	2.4	3.4	IE2
460	Δ	60	15.00	-/-	24.00	3565	40.0	90.2	90.0	88.6	0.87	0.84	0.76	8.4	2.8	3.9	IE2
IM B5 / IM 3001			FS 160 M		75 kg		IP55			IEC/EN 60034		IEC, DIN, ISO, VDE, EN					

Locked rotor time (hot / cold) : 12.1 s | 23 s

Sound level (SPL / SWL) at 50Hz 60Hz	70.0 / 82.0 dB(A) ²⁾	77.0 / 89.0 dB(A) ²⁾	External earthing terminal	No
Moment of inertia	0.0530 kg m ²		Vibration severity grade	A
Bearing DE NDE	6309 2Z C3	6209 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	Locating bearing NDE		Motor protection	(A) without (Standard)
Condensate drainage holes	-/-		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box position	top	Max. cross-sectional area	16.0 mm²
Material of terminal box	Aluminium	Cable diameter from ... to ...	19.0 mm - 28.0 mm
Type of terminal box	TB1 J00	Cable entry	2xM40x1,5
Contact screw thread	M5	Cable gland	2 plugs

I_r/I_n = locked rotor current / current nominal M_r/M_n = locked rotor torque / torque nominal M_b/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
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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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Special design

L22	Bearing design for increased cantilever forces
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Notes:

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