

SIMOTICS GP - 80 M - IM B34 - 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_I/I_N	T_I/T_N	T_B/T_N	
230	Δ	50	0.55	-/-	2.40	1440	3.6	77.1	76.8	73.7	0.74	0.65	0.51	5.3	2.2	3.1	IE2
400	Y	50	0.55	-/-	1.39	1440	3.6	77.1	76.8	73.7	0.74	0.65	0.51	5.3	2.2	3.1	IE2
460	Y	60	0.63	-/-	1.42	1735	3.5	75.5	75.8	73.5	0.74	0.67	0.54	5.7	2.4	3.3	IE2
460	Y	60	0.55	-/-	1.29	1750	3.0	75.5	74.6	71.1	0.71	0.62	0.49	6.4	2.7	3.8	IE2

IM B34 / IM 2101	FS 80 M	10 kg	IP55	IEC/EN 60034	IEC, DIN, ISO, VDE, EN
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Locked rotor time (hot / cold) : 17.5 s | 23 s

Sound level (SPL / SWL) at 50Hz 60Hz	53.0 / 64.0 dB(A) ₂₎	55.0 / 66.0 dB(A) ₂₎	External earthing terminal	No
Moment of inertia	0.0017 kg m²		Vibration severity grade	A
Bearing DE NDE	6004 2Z C3	6004 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	No		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box position	top	Max. cross-sectional area	1.5 mm²
Material of terminal box	Aluminium	Cable diameter from ... to ...	9.0 mm - 17.0 mm
Type of terminal box	TB1 E00	Cable entry	1xM25x1,5
Contact screw thread	M4	Cable gland	1 plug

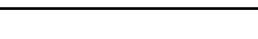
Notes:

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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	document type	document status		customer	
	datasheet	released			
	title	document number			
	1LE1001-0DB22-2NA4				
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		01	2021-07-20 09:30	en	1/1