

SIMOTICS GP - 80 M - IM B14 - 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
		[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	-/-	2.20	1440	3.6	80.8	81.1	79.3	0.78	0.70	0.57	5.9	2.1	3.1	IE3
400	Y	50	0.55	-/-	1.26	1440	3.6	80.8	81.1	79.3	0.78	0.70	0.57	5.9	2.1	3.1	IE3
460	Y	60	0.63	-/-	1.25	1740	3.5	81.1	81.3	79.4	0.78	0.70	0.58	6.4	2.4	3.3	IE3
460	Y	60	0.55	-/-	1.15	1750	3.0	81.1	80.8	78.2	0.74	0.66	0.53	6.9	2.7	3.8	IE3

IM B14 / IM 3601	FS 80 M	11 kg	IP55	IEC/EN 60034	IEC, DIN, ISO, VDE, EN
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Environmental conditions : -20 °C - +40 °C / 1,000 m

Locked rotor time (hot / cold) : 24.6 s | 29 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	0.0021 kg m ²		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} 50 60Hz 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	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

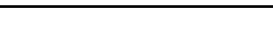
Notes:

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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