

SIMOTICS GP - 180 L - IM V1 - 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	15.00	-/-	31.00	975	147.0	89.7	90.1	89.5	0.78	0.71	0.59	6.0	2.5	3.1	IE2
690	Y	50	15.00	-/-	17.90	975	147.0	89.7	90.1	89.5	0.78	0.71	0.59	6.0	2.5	3.1	IE2
460	Δ	60	18.00	-/-	31.00	1170	147.0	91.7	92.2	91.8	0.80	0.74	0.64	6.0	2.4	2.9	IE2
460	Δ	60	15.00	-/-	27.00	1178	122.0	90.2	90.2	89.0	0.77	0.70	0.58	6.9	2.8	3.4	IE2

IM V1 / IM 3011	FS 180 L	121 kg	IP55	IEC/EN 60034	IEC, DIN, ISO, VDE, EN
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Locked rotor time (hot / cold) : 24.4 s | 40.8 s

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	57.0 / 70.0 dB(A) ²⁾	60.0 / 73.0 dB(A) ²⁾	External earthing terminal	No
Moment of inertia	0.1700 kg m ²		Vibration severity grade	A
Bearing DE NDE	6210 C3	6210 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
Relubrication interval/quantity DE NDE	10 g 8000 h	10 g	Frame material	aluminum
Lubricants	Unirex N3		Coating (paint finish)	Standard paint finish C2
Regreasing device	Yes		Color, paint shade	RAL7030
Grease nipple	M10x1 DIN 3404 A		Motor protection	(A) without (Standard)
Type of bearing	Locating bearing NDE		Method of cooling	IC411 - self ventilated, surface cooled
Condensate drainage holes	-/-			

Terminal box

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

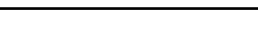
Notes:

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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Special design

L23	Regreasing system
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