

SIMOTICS GP - 180 M - IM B3 - 2p

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

Remarks

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	
DOL duty (S1) - 155(F) to 130(B)																	
400	Δ	50	22.00	-/-	38.50	2950	71.0	92.7	93.2	92.9	0.89	0.86	0.79	7.5	2.3	3.5	IE3
690	Y	50	22.00	-/-	22.50	2950	71.0	92.7	93.2	92.9	0.89	0.86	0.79	7.5	2.3	3.5	IE3
460	Δ	60	24.50	-/-	37.50	3550	66.0	91.7	92.0	91.4	0.89	0.86	0.79	7.7	2.3	3.6	IE3
460	Δ	60	22.00	-/-	34.00	3560	59.0	91.7	91.8	90.9	0.89	0.89	0.80	9.0	2.5	3.9	IE3
IM B3 / IM 1001			FS 180 M			IP55		IEC/EN 60034			IEC, DIN, ISO, VDE, EN						
Environmental conditions : -20 °C - +40 °C / 1000 m									Locked rotor time (hot / cold) : 20.1 s 30.7 s								

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	73 / 80 dB(A) ^{2) 3)}	78 / 85 dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.0800 kg m²		Thermal class	F
Bearing DE NDE	6210 2Z C3	6210 2Z C3	Duty type	S1
bearing lifetime			Direction of rotation	bidirectional
L _{10mh} F _{rad min} for coupling operation 50 60Hz ¹⁾	40000 h	32000 h	Frame material	aluminum
Lubricants	Unirex N3		Net weight of the motor (IM B3)	122 kg
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	No		Method of cooling	IC411 - self ventilated, surface cooled
External earthing terminal	No			

Terminal box

Terminal box position	top	Max. cross-sectional area	16 mm²
Material of terminal box	Aluminium	Cable diameter from ... to ...	19 mm - 28 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	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.		Link documents	
	document type datasheet	document status released					
	title 1LE1003-1EA23-4AA4						
© Siemens AG 2022				rev. 01	creation date 2022-08-12	language en	Page 1/1