

SIMOTICS GP - 112 M - IM B3 - 2p

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

Remarks

Safe Area

Electrical data

-/-

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	4.00	-/-	8.10	2930	13.0	85.8	86.1	84.7	0.83	0.76	0.64	8.1	2.8	3.4	IE2	
690	Y	50	4.00	-/-	4.70	2930	13.0	85.8	86.1	84.7	0.83	0.76	0.64	8.1	2.8	3.4	IE2	
460	Δ	60	4.55	-/-	7.80	3530	12.3	87.5	87.8	86.3	0.84	0.70	0.61	8.9	3.0	3.6	IE2	
460	Δ	60	3.70	-/-	6.60	3545	10.0	87.5	87.2	85.1	0.80	0.73	0.62	10.4	3.7	4.5	IE2	
IM B3 / IM 1001			FS 112 M			IP55	UKCA		IEC/EN 60034			IEC, DIN, ISO, VDE, EN						
Environmental conditions : -20 °C - +40 °C / 1000 m									Locked rotor time (hot / cold) : 6.9 s 11.6 s									

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	71 / 79 dB(A) ^{2) 3)}	75 / 83 dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.0062 kg m²		Thermal class	F
Bearing DE NDE	6206 2Z C3	6206 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
Regreasing device	Without		Net weight of the motor (IM B3)	26 kg
Grease nipple	-/-		Coating (paint finish)	Standard paint finish C2
Type of bearing	Preloaded bearing DE		Color, paint shade	RAL7030
Condensate drainage holes	Without		Motor protection	(A) without (Standard)
External earthing terminal	Without		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box

Terminal box position	top	Max. cross-sectional area	4 mm²
Material of terminal box	Aluminium	Cable diameter from ... to ...	11 mm - 21 mm
Type of terminal box	TB1 F00	Cable entry	2xM32x1,5
Contact screw thread	M4	Cable gland	2 plugs

I_A/I_N = locked rotor current / current nominal M_A/M_N = locked rotor torque / torque nominal M_B/M_N = break down torque / nominal torque
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1) L_{10mh} 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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