



**SIMOTICS GP - 112 M - IM B3 - 6p**

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

## Safe Area

-/-




U	Δ / Y	f	P	P	I	n	M	η <sup>3)</sup>			cosφ <sup>3)</sup>			I <sub>A</sub> /I <sub>N</sub>	M <sub>A</sub> /M <sub>N</sub>	M <sub>K</sub> /M <sub>N</sub>	IE-CL
[V]		[Hz]	[kW]	[hp]	[A]	[1/min]	[Nm]	4/4	3/4	2/4	4/4	3/4	2/4	I <sub>I</sub> /I <sub>N</sub>	T <sub>I</sub> /T <sub>N</sub>	T <sub>B</sub> /T <sub>N</sub>	
DOL duty (S1) - 155(F) to 130(B)																	
230	Δ	50	2.20	-/-	9.90	940	22.5	77.7	78.4	76.6	0.72	0.64	0.51	4.6	2.6	2.7	IE1
400	Y	50	2.20	-/-	5.70	940	22.5	77.7	78.4	76.6	0.72	0.64	0.51	4.6	2.6	2.7	IE1
460	Y	60	2.55	-/-	5.60	1140	21.5	78.5	79.2	77.8	0.73	0.65	0.53	5.1	2.6	2.8	IE1
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) : 14.5 s   27.8 s								

Sound level (SPL / SWL) at 50Hz 60Hz	57 / 69 dB(A) <sup>2) 3)</sup>	60 / 72 dB(A) <sup>2) 3)</sup>	Vibration severity grade	A
Moment of inertia	0.0092 kg m²		Thermal class	F
Bearing DE   NDE	6206 2Z C3	6206 2Z C3	Duty type	S1
<b>bearing lifetime</b>			Direction of rotation	bidirectional
L <sub>10mh</sub> F <sub>Rad min</sub> for coupling operation 50 60Hz <sup>1)</sup>	40000 h	32000 h	Frame material	aluminum
Regreasing device	Without		Net weight of the motor (IM B3)	25 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 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

$I_R/I_N$ = locked rotor current / current nominal	1) $L_{10th}$ according to DIN ISO 281 10/2010	3) Value is valid only for DOL operation with motor design IC411
$M_R/M_N$ = locked rotor torque / torque nominal	2) at rated power / at full load	
$M_R/M_{br}$ = break down torque / nominal torque		

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Responsible department IN LVM	Technical reference	Created by SPC	Approved by Created automatically	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.		<a href="#">Link documents</a> 	
	Document type Technical data sheet			Document status Released			
	Document title 1LE1002-1BC22-2AA4			Document number TDS-240420-075003			
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