

SIMOTICS GP - 112 M - IM B5 - 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	$\eta^{3)}$			$\cos\phi^{3)}$			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_A/I_N	T_A/T_N	T_B/T_N	
415	Δ	50	4.00	-/-	7.90	1460	26.0	86.6	87.3	86.4	0.81	0.74	0.61	7.1	2.5	3.2	IE2
480	Δ	60	4.55	-/-	7.60	1760	24.5	87.5	88.0	86.9	0.82	0.76	0.63	7.5	2.4	3.2	IE2
480	Δ	60	3.70	-/-	6.60	1770	20.0	87.5	87.2	85.1	0.77	0.69	0.56	8.7	3.0	4.0	IE2
IM B5 / IM 3001			FS 112 M		29 kq		IP55			IEC/EN 60034		IEC, DIN, ISO, VDE, EN					

Locked rotor time (hot / cold) : 8.85 s | 14.5 s

Sound level (SPL / SWL) at 50Hz 60Hz	58.0 / 70.0 dB(A) ²⁾	62.0 / 74.0 dB(A) ²⁾	External earthing terminal	No
Moment of inertia	0.0140 kg m ²		Vibration severity grade	A
Bearing DE NDE	6206 2Z C3	6206 2Z 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
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	(F) 1 temperature sensor KTY84-130 (2 terminals)
Condensate drainage holes	No		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box position	top	Max. cross-sectional area	4.0 mm²
Material of terminal box	Aluminium	Cable diameter from ... to ...	11.0 mm - 21.0 mm
Type of terminal box	TB1 F00	Cable entry	2xM32x1,5-1xM16x1,5
Contact screw thread	M4	Cable gland	3 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.	technical reference	created by	approved by	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.			
DI MC LVM		DT Configurator					
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Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS



Motor type : 1AV2112B

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Special design

B02	Acceptance test certificate 3.1 acc. to EN 10204	M11	Stainless steel rating plate
F01	Mounting a brake	Y82	Auxiliary name plate with customer data
F10	Brake supply voltage 24 V DC		

Additional information:

Brake:

Description:	BFK458-14	Current:	2.1 A
Voltage:	DC 24 V	Moment of inertia:	.00063 Nm

Notes:

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.
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