

SIMOTICS GP - 112 M - IM B3 - 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	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	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
690	Y	50	2.20	-/-	3.30	940	22.5	77.7	78.4	76.6	0.72	0.64	0.51	4.6	2.6	2.7	IE1
460	Δ	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 / 1,000 m										Locked rotor time (hot / cold) : 14.5 s 27.8 s							

Sound level (SPL / SWL) at 50Hz 60Hz	57 / 69 dB(A) ^{2) 3)}	60 / 72 dB(A) ^{2) 3)}	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
bearing lifetime			Direction of rotation	bidirectional
$L_{10\text{mh}}$ $F_{\text{Rad min}}$ for coupling operation 50 60Hz ¹⁾	40000 h	32000 h	Frame material	aluminum
Regreasing device	No		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	No		Motor protection	(A) without (Standard)
External earthing terminal	No		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	2xM32x1,5-1xM16x1,5
Contact screw thread	M4	Cable gland	1 gland, 2 plugs

Notes:

I_r/I_n = locked rotor current / current nominal	1) L10mh 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_b/M_n = break down torque / nominal torque		

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			
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Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS



Motor type : 1AV1112C

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Special design

B02	Acceptance test certificate 3.1 acc. to EN 10204	F50	Mechanical manual brake release with lever (cannot be locked)
D22	Motor without CE character for export outside the EEA (see EU regulation 2019/1781)	H02	Vibration-proof version
F01	Mounting a brake	M11	Stainless steel rating plate
F12	Brake supply voltage 400 V AC, 50/60 Hz	R15	One metal cable gland

Additional information:

Brake:

Description:	BFK458-14	Current:	.28 A
Voltage:	AC 400 V	Moment of inertia:	0.000630 kgm ²

Notes:

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