

SIMOTICS GP - 100 L - IM B3 - 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	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)																	
380	Δ	50	3.00	-/-	6.60	1425	20.0	81.5	82.6	81.5	0.85	0.78	0.65	5.4	2.4	2.6	IE1
660	Y	50	3.00	-/-	3.80	1425	20.0	81.5	82.6	81.5	0.85	0.78	0.65	5.4	2.4	2.6	IE1
440	Δ	60	3.45	-/-	6.20	1725	19.1	85.0	85.8	84.8	0.86	0.80	0.68	6.0	2.2	2.3	IE1
IM B3 / IM 1001			FS 100 L			IP55		IEC/EN 60034		IEC, DIN, ISO, VDE, EN							

Locked rotor time (hot / cold) : 9.76 s | 16.9 s

Sound level (SPL / SWL) at 50Hz 60Hz	60 / 72 dB(A) ²⁾	62 / 74 dB(A) ²⁾	Vibration severity grade	A
Moment of inertia	0.0078 kg m ²		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
Lubricants	Unirex N3		Net weight of the motor (IM B3)	22 kg
Regreasing device	No		Coating (paint finish)	Standard paint finish C2
Grease nipple	-/-		Color, paint shade	RAL7030
Type of bearing	Preloaded bearing DE		Motor protection	(A) without (Standard)
Condensate drainage holes	No		Method of cooling	IC411 - self ventilated, surface cooled
External earthing terminal	No			

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	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.		Link documents	
DI MC LVM		DT Configurator					
	document type			document status			
	datasheet			released			
	title			document number			
	1LE1002-1AB53-3AA4-Z						
	D22+F01+F12+G11			rev.	creation date	language	Page
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Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS



Motor type : 1AV1105B

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Special design

D22	Motor without CE character for export outside the EEA (see EU regulation 2019/1781)	F12	Brake supply voltage 400 V AC, 50/60 Hz
F01	Mounting a brake	G11	Rotary pulse encoder Sendix 5020 (HTL)

Additional information:

Brake:

Description:	BFK458-12	Current:	.22 A
Voltage:	AC 400 V	Moment of inertia:	0.000360 kgm ²

Notes:

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