

SIMOTICS GP - 100 L - IM B14 - 2p

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

Remarks

Safe Area

U	Δ / Y	f	P	P	I	n	M	$\eta^{3)}$			$\cos\varphi^{3)}$			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	
230	Δ	50	3.00	-/-	10.60	2835	10.1	81.5	83.2	82.7	0.87	0.82	0.73	6.4	3.2	3.5	IE1
400	Y	50	3.00	-/-	6.10	2835	10.1	81.5	83.2	82.7	0.87	0.82	0.73	6.4	3.2	3.5	IE1
460	Y	60	3.45	-/-	5.80	3435	9.6	84.5	85.5	85.2	0.88	0.84	0.75	7.4	3.9	3.9	IE1
IM B14 / IM 3601			FS 100 L		20 kg		IP55	IEC/EN 60034			IEC, DIN, ISO, VDE, EN						

Locked rotor time (hot / cold) : 8.74 s | 16.3 s

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	67.0 / 79.0 dB(A) ²⁾	71.0 / 83.0 dB(A) ²⁾	External earthing terminal	No
Moment of inertia	0.0034 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} 50 60Hz ¹⁾ for coupling operation	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	(A) without (Standard)
Condensate drainage holes	-/		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box

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
Contact screw thread	M4	Cable gland	2 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. 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.			
	document type datasheet			document status released		customer		
	title 1LE1002-1AA42-2KA4-Z			document number				
© Siemens AG 2021	D22+D47			rev. 01	creation date 2021-04-23 14:14	language en	Page 1/2	

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



Motor type : 1AV1104A

SIMOTICS GP - 100 L - IM B14 - 2p

Special design

D22 motor without CE character for export outside the EEA (see EU regulation 640/2009) D47 TR CU product safety certificate EAC for the Eurasian Customs Union

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.			
	document type datasheet				document status released		customer	
	title 1LE1002-1AA42-2KA4-Z D22+D47				document number			
© Siemens AG 2021					rev. 01	creation date 2021-04-23 14:14	language en	Page 2/2