

SIMOTICS GP - 100 L - IM B14 - 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)																	
230	Δ	50	1.50	-/-	6.30	970	14.8	82.5	83.1	81.5	0.73	0.65	0.52	5.2	1.9	2.8	IE3
400	Y	50	1.50	-/-	3.60	970	14.8	82.5	83.1	81.5	0.73	0.65	0.52	5.2	1.9	2.8	IE3
IM B14 / IM 3601			FS 100 L		IP55			IEC/EN 60034		IEC, DIN, ISO, VDE, EN							

Locked rotor time (hot / cold) : 26.1 s | 34.1 s

Sound level (SPL / SWL) at 50Hz 60Hz	59 / 71 dB(A) ²⁾	62 / 74 dB(A) ²⁾	Vibration severity grade	A
Moment of inertia	0.0110 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)	25 kg
Regreasing device	No		Coating (paint finish)	Special paint finish C3
Grease nipple	-/-		Color, paint shade	RAL7030
Type of bearing	Preloaded bearing DE		Motor protection	1/3 Bi-metallic sensors (opener) for tripping (2 terminals)
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 F10	Cable entry	Han-Drive 10e
Contact screw thread	M4	Cable gland	connector

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			
	1LE1003-1AC42-2KZ4-Z						
	Q3A+R70+S02+Y53+Y82			rev.	creation date	language	Page
© Siemens AG 2022				01	2022-03-10	en	1/2

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



Motor type : 1AV3104C

SIMOTICS GP - 100 L - IM B14 - 6p

Special design

Q3A	1/3 Bi-metallic sensors (opener) for tripping (2 terminals)	Y53	Paint finish in other standard RAL colours
R70	Motor connector Han-Drive 10e for 230 VD/400 VY	Y82	Auxiliary name plate with customer data
S02	Special paint finish C3		

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.		Link documents	
SIEMENS	document type datasheet			document status released			
	title 1LE1003-1AC42-2KZ4-Z Q3A+R70+S02+Y53+Y82			document number			
© Siemens AG 2022				rev. 01	creation date 2022-03-10	language en	Page 2/2