

SIMOTICS GP - 80 M - 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	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	
230	Δ	50	1.10	-/-	4.20	2835	3.7	79.6	81.3	80.9	0.83	0.77	0.64	6.0	2.7	3.1	IE2
400	Y	50	1.10	-/-	2.40	2835	3.7	79.6	81.3	80.9	0.83	0.77	0.64	6.0	2.7	3.1	IE2
460	Y	60	1.27	-/-	2.30	3430	3.5	82.5	83.9	83.1	0.84	0.80	0.69	6.3	2.7	3.3	IE2
460	Y	60	1.10	-/-	2.05	3465	3.0	82.5	83.0	81.4	0.82	0.75	0.64	7.2	3.1	3.8	IE2
IM B14 / IM 3601			FS 80 M		11 kg		IP55			IEC/EN 60034		IEC, DIN, ISO, VDE, EN					

Locked rotor time (hot / cold) : 12.8 s | 19.8 s

Sound level (SPL / SWL) at 50Hz 60Hz	60.0 / 71.0 dB(A) ²⁾	64.0 / 75.0 dB(A) ²⁾	External earthing terminal	No
Moment of inertia	0.0011 kg m ²		Vibration severity grade	A
Bearing DE NDE	6004 2Z C3	6004 2Z C3	Insulation	155(F) to 155(F)
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	(A) without (Standard)
Condensate drainage holes	-/-		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box position	top	Max. cross-sectional area	1.5 mm²
Material of terminal box	Aluminium	Cable diameter from ... to ...	9.0 mm - 17.0 mm
Type of terminal box	TB1 E00	Cable entry	1xM25x1,5
Contact screw thread	M4	Cable gland	1 plug

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.	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						
	document type	datasheet			document status		customer	
	title				released			
		1LE1001-0DA32-2KA4-Z			document number			
	N03+P01				rev.	creation date	language	Page
© Siemens AG 2021					01	2021-04-20 21:54	en	1/2

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



Motor type : 1AV2083A

SIMOTICS GP - 80 M - IM B14 - 2p

Special design

N03 Temperature class 155 (F), utilised to 155 (F), with increased cooling medium temperature P01 Next larger standard flange

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 1LE1001-0DA32-2KA4-Z				document number			
© Siemens AG 2021	N03+P01				rev. 01	creation date 2021-04-20 21:54	language en	Page 2/2