

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	-/-	3.95	2885	3.6	82.7	83.9	83.1	0.85	0.80	0.69	7.1	3.0	3.3	IE3	
400	Y	50	1.10	-/-	2.25	2885	3.6	82.7	83.9	83.1	0.85	0.80	0.69	7.1	3.0	3.3	IE3	
460	Y	60	1.27	-/-	2.25	3480	3.5	84.0	84.6	83.4	0.85	0.80	0.71	7.4	2.8	3.4	IE3	
460	Y	60	1.10	1.50	2.00	3500	3.0	84.0	84.0	82.0	0.83	0.77	0.67	8.4	3.3	4.0	MG1	
IM B14 / IM 3601			FS 80 M		12 kq		IP55	CC032A		IEC/EN 60034			IEC, EN, UL, CSA, NEMA MG1-12-12			kVA Code: M		

Locked rotor time (hot / cold) : 14.7 s | 20 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	0.0013 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	No		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 E10	Cable entry	1xM25x1,5
Contact screw thread	M4	Cable gland	1 plug

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



Motor type : 1AV3083A

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Special design

B99	Lattice pallet packaging	P01	Next larger standard flange
N03	Temperature class 155 (F), utilised to 155 (F), with increased cooling medium temperature		

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