

SIMOTICS GP - 80 M - IM B14 - 2p

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

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 155(F)																	
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		CC032A		IP65	UKCA		IEC/EN 60034		IEC, EN, UL, CSA, NEMA MG1-12-12			kVA Code: M		
Environmental conditions : -20 °C - +55 °C / 1000 m									Locked rotor time (hot / cold) : 14.4 s 19.5 s								

Sound level (SPL / SWL) at 50Hz 60Hz	60 / 71 dB(A) ^{2) 3)}	64 / 75 dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.0013 kg m²		Thermal class	F
Bearing DE NDE	6004 2Z C3	6004 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
Regreasing device	Without		Net weight of the motor (IM B3)	12 kg
Grease nipple	-/-		Coating (paint finish)	Standard paint finish C2
Type of bearing	Preloaded bearing DE		Color, paint shade	RAL7030
Condensate drainage holes	Without		Motor protection	(A) without (Standard)
External earthing terminal	Without		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 mm - 17 mm
Type of terminal box	TB1 E10	Cable entry	1xM25x1,5
Contact screw thread	M4	Cable gland	1 plug

I_r/I_n = locked rotor current / current nominal	1) $L_{10\text{th}}$ 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		

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Responsible department IN LVM	Technical reference	Created by SPC	Approved by Created automatically	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.		Link documents	
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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	N03	Temperature class 155 (F), utilised to 155 (F), with increased cooling medium temperature
H20	IP 65 degree of protection	P01	Next larger standard flange

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