

SIMOTICS GP - 63 M - IM B14 - 4p

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

Remarks

Safe Area

Electrical data

-/-

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	0.18	-/-	1.12	1360	1.3	57.0	55.1	47.8	0.71	0.62	0.49	2.8	1.9	2.1	IE1
400	Y	50	0.18	-/-	0.64	1360	1.3	57.0	55.1	47.8	0.71	0.62	0.49	2.8	1.9	2.1	IE1
460	Y	60	0.21	-/-	0.59	1670	1.2	66.0	63.7	56.5	0.68	0.58	0.47	3.2	2.1	2.3	IE1
IM B14 / IM 3601			FS 63 M			IP66	UKCA	IEC/EN 60034		IEC, DIN, ISO, VDE, EN							
Environmental conditions : -20 °C - +40 °C / 1000 m									Locked rotor time (hot / cold) : 24 s 37.8 s								
Exception from EU 2019/1781 acc. to Article 2 (2) (o)																	

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	/ dB(A) ^{2) 3)}	/ dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.0004 kg m²		Thermal class	F
Bearing DE NDE	6201 2Z C3	6201 2Z C3	Duty type	S1
bearing lifetime			Direction of rotation	bidirectional
L ₁₀ min F _{Rad} min 50 60Hz ¹⁾	40000 h	32000 h	Frame material	aluminum
Regreasing device	Without		Net weight of the motor (IM B3)	kg
Grease nipple	-/-		Coating (paint finish)	Special paint finish C3
Type of bearing	Preloaded bearing DE		Color, paint shade	RAL7030
Condensate drainage holes	With (standard)		Motor protection	(K) 1 Pt1000 resistance thermometer(2 terminals)
External earthing terminal	Without		Method of cooling	IC418 - without fan and without housing fan

Terminal box

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 B00	Cable entry	1xM25x1,5-1xM16x1,5
Contact screw thread	M4	Cable gland	2 plugs

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
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1) L_{10mh} 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

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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	
		Document type Technical datasheet motor			Document status Released			
		Title 1LE1002-0BB32-2KK4-Z			Document number TDS-240312-150603			
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D23	Motor exclusively for use in transportation equipment for passengers and freight transport corresponding to EVPG § 1 from February 27, 2008	L92	Traction-compliant version IC418, DIN EN IEC 60349 according to EN45545, without outer fan and without fan cover
H19	IP 66 degree of protection	N31	Increased air humidity/temperature with 60 to 100 g water per m3 air

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