

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



Motor type : 1AV2062B

SIMOTICS GP - 63 M - IM B14 - 4p

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

Electrical data

Safe Area

U [V]	Δ / Y	f [Hz]	P [kW]	P [hp]	I [A]	n [1/min]	M [Nm]	η ³⁾			$\cos\phi$ ³⁾			I_A/I_N I_i/I_N	M_A/M_N T_i/T_N	M_K/M_N T_B/T_N	IE-CL
								4/4	3/4	2/4	4/4	3/4	2/4				
230	Δ	50	0.12	-/-	0.77	1390	0.8	59.1	56.4	49.0	0.66	0.57	0.45	3.1	2.4	2.5	IE2
400	Y	50	0.12	-/-	0.44	1390	0.8	59.1	56.4	49.0	0.66	0.57	0.45	3.1	2.4	2.5	IE2
460	Y	60	0.14	-/-	0.42	1685	0.8	64.0	61.4	54.8	0.66	0.57	0.46	3.5	2.4	2.7	IE2
460	Y	60	0.12	-/-	0.39	1710	0.7	64.0	60.3	52.2	0.60	0.52	0.41	3.7	2.9	3.2	IE2
IM B14 / IM 3601		FS 63 M		kg		IP55		IEC/EN 60034		IEC, DIN, ISO, VDE, EN							
Environmental conditions : -20 °C - +40 °C / 1000 m										Locked rotor time (hot / cold) : 40.4 s 53.7 s							

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	/ dB(A) ²⁾	/ dB(A) ²⁾	Vibration severity grade	A
Moment of inertia	0.0004 kg m ²		Insulation	155(F) to 130(B)
Bearing DE NDE	6201 2Z C3	6201 2Z C3	Duty type	S1
bearing lifetime			Direction of rotation	bidirectional
L _{10mh} , F _{Rad} , min 50 60Hz ¹⁾ for coupling operation	40000 h	32000 h	Frame material	aluminum
Lubricants	Unirex N3		Net weight of the motor (IM B3)	kg
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	Yes		Method of cooling	IC411 - self ventilated, surface cooled
External earthing terminal	No			

Terminal box

Terminal box position	top	Max. cross-sectional area	1.5 mm ²
Material of terminal box	Aluminium	Cable diameter from ... to ...	9 mm - 17 mm
Type of terminal box	TB1 B00	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	<i>Technical data are subject to change! There may be discrepancies between calculated and rating plate values.</i>			
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Special design

H03 Condensation drain holes in end shield

Notes:

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