

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



Motor type : 1AV2063A

SIMOTICS GP - 63 M - IM B14 - 2p

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

Remarks

## Electrical data

## Safe Area

U [V]	$\Delta / Y$	f [Hz]	P [kW]	P [hp]	I [A]	n [1/min]	M [Nm]	$\eta$ <sup>3)</sup>			$\cos\phi$ <sup>3)</sup>			$I_A/I_N$ $I_i/I_N$	$M_A/M_N$ $T_i/T_N$	$M_k/M_N$ $T_B/T_N$	IE-CL
								4/4	3/4	2/4	4/4	3/4	2/4				
230	$\Delta$	50	0.25	-/-	1.20	2835	0.8	64.8	63.5	57.3	0.81	0.73	0.58	4.1	1.9	2.5	IE2
400	Y	50	0.25	-/-	0.69	2835	0.8	64.8	63.5	57.3	0.81	0.73	0.58	4.1	1.9	2.5	IE2
460	Y	60	0.28	-/-	0.66	3435	0.8	68.0	66.1	60.7	0.81	0.72	0.59	4.8	2.0	2.7	IE2
460	Y	60	0.25	-/-	0.61	3465	0.7	68.0	65.2	58.0	0.76	0.67	0.54	5.2	2.4	3.1	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) : 11 s   15.2 s	

## Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	/ dB(A) <sup>2)</sup>	/ dB(A) <sup>2)</sup>	Vibration severity grade	A
Moment of inertia	0.0003 kg m <sup>2</sup>		Insulation	155(F) to 130(B)
Bearing DE   NDE	6201 2Z C3	6201 2Z C3	Duty type	S1
<b>bearing lifetime</b>			Direction of rotation	bidirectional
L <sub>10mh</sub> , F <sub>Rad</sub> min 50 60Hz <sup>1)</sup> 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 <sup>2</sup>
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	1) L10mh according to DIN ISO 281 10/2010	3) Value is valid only for DOL operation with motor design IC411
$M_k/M_N$ = locked rotor torque / torque nominal	2) at rated power / at full load	
$M_k/M_N$ = break down torque / nominal torque		

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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## Special design

H03 Condensation drain holes in end shield

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