

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



Motor type : 1AV1130A

SIMOTICS GP - 132 S - IM B3 - 2p

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				
400	Δ	50	5.50	-/-	10.70	2910	18.0	84.7	85.8	85.3	0.88	0.84	0.75	5.7	1.8	2.6	IE1
690	Y	50	5.50	-/-	6.20	2910	18.0	84.7	85.8	85.3	0.88	0.84	0.75	5.7	1.8	2.6	IE1
460	Δ	60	6.30	-/-	10.30	3510	17.0	86.0	86.5	85.8	0.89	0.84	0.76	6.0	1.8	2.7	IE1
IM B3 / IM 1001		FS 132 S		35 kg		IP55		IEC/EN 60034			IEC, DIN, ISO, VDE, EN						

Environmental conditions : -20 °C - +40 °C / 1,000 m

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	68.0 / 80.0 dB(A) ²⁾	72.0 / 84.0 dB(A) ²⁾	External earthing terminal	No
Moment of inertia	0.0130 kg m ²		Vibration severity grade	A
Bearing DE NDE	6208 2Z C3	6208 2Z C3	Insulation	155(F) to 130(B)
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


Terminal box position	top	Max. cross-sectional area	6.0 mm ²
Material of terminal box	Aluminium	Cable diameter from ... to ...	11.0 mm - 21.0 mm
Type of terminal box	TB1 H00	Cable entry	2xM32x1,5
Contact screw thread	M4	Cable gland	2 plugs

Notes:

I_A/I_N = locked rotor current / current nominal
 M_K/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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