

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



Motor type : 1AV3130C

SIMOTICS GP - 132 S - IM B3 - 6p

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

Remarks

Safe Area

Electrical data

-/-

U [V]	Δ / Y	f [Hz]	P [kW]	P [hp]	I [A]	n [1/min]	M [Nm]	$\eta^{3)}$			$\cos\phi^{3)}$			I_A/I_N I_f/I_N	M_A/M_N T_f/T_N	M_K/M_N T_B/T_N	IE-CL
								4/4	3/4	2/4	4/4	3/4	2/4				
DOL duty (S1) - 155(F) to 130(B)																	
400	Δ	50	3.00	-/-	6.90	975	29.5	85.6	85.8	84.3	0.73	0.65	0.51	6.6	2.3	3.2	IE3
690	Y	50	3.00	-/-	4.00	975	29.5	85.6	85.8	84.3	0.73	0.65	0.51	6.6	2.3	3.2	IE3
IM B3 / IM 1001			FS 132 S		IP55		UKCA	IEC/EN 60034		IEC, DIN, ISO, VDE, EN							
Environmental conditions : -20 °C - +40 °C / 1000 m										Locked rotor time (hot / cold) : 16.9 s 22.3 s							

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	63 / 75 dB(A) ^{2) 3)}	67 / 79 dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.0340 kg m ²		Thermal class	F
Bearing DE NDE	6208 2Z C3	6208 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)	42 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	(B) 3 PTC thermistors - for tripping (2 terminals)
External earthing terminal	Without		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box

Terminal box position	top	Max. cross-sectional area	6 mm ²
Material of terminal box	Aluminium	Cable diameter from ... to ...	11 mm - 21 mm
Type of terminal box	TB1 H00	Cable entry	2xM32x1,5-1xM16x1,5
Contact screw thread	M4	Cable gland	3 plugs

I_A/I_N = locked rotor current / current nominal ¹⁾ L_{10mh} according to DIN ISO 281 10/2010 ³⁾ Value is valid only for DOL operation with motor design IC411
 M_A/M_N = locked rotor torque / torque nominal ²⁾ at rated power / at full load
 M_K/M_N = break down torque / nominal torque

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Responsible department IN LVM	Technical reference	Created by SPC	Approved by Created automatically	<i>Technical data are subject to change! There may be discrepancies between calculated and rating plate values.</i>	Link documents	
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