

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



Motor type : 1AV3130B

SIMOTICS GP - 132 S - IM B35 - 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				
220	Δ	60	6.30	-/-	21.50	1770	34.0	91.7	92.0	91.3	0.83	0.79	0.69	8.7	2.7	3.7	IE3
380	Y	60	6.30	-/-	12.60	1770	34.0	91.7	92.0	91.3	0.83	0.79	0.69	8.7	2.7	3.7	IE3
220	Δ	60	5.50	-/-	19.40	1775	29.5	91.7	91.6	90.5	0.81	0.76	0.65	10.0	3.1	4.2	IE3
380	Y	60	5.50	-/-	11.30	1775	29.5	91.7	91.6	90.5	0.81	0.76	0.65	10.0	3.1	4.2	IE3
IM B35 / IM 2001		FS 132 S		64 kg		IP55		IEC/EN 60034		IEC, DIN, ISO, VDE, EN			KS C IEC60034-2-1				

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

Locked rotor time (hot / cold) : 22 s | 28.1 s

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	64.0 / 76.0 dB(A) ²⁾	68.0 / 80.0 dB(A) ²⁾	External earthing terminal	No
Moment of inertia	0.0340 kg m ²		Vibration severity grade	A
Bearing DE NDE	6208 Z C3	6208 Z 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
Relubrication interval/quantity DE NDE	10 g 10 g 8000 h		Frame material	aluminum
Lubricants	Unirex N3		Coating (paint finish)	Standard paint finish C2
Regreasing device	Yes		Color, paint shade	RAL7030
Grease nipple	M8x1 DIN 71412		Motor protection	(B) 3 PTC thermistors - for tripping (2 terminals)
Type of bearing	Preloaded bearing DE		Method of cooling	IC411 - self ventilated, surface cooled
Condensate drainage holes	Yes (standard)			

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	2xM32x1,5-1xM16x1,5
Contact screw thread	M4	Cable gland	3 plugs

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

L23	Regreasing system	N30	Increased air humidity/temperature with 30 to 60 g water per m3 air
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