

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



Motor type : 1AV3130A

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⁾			cosφ ³⁾			I _A /I _N	M _A /M _N	M _K /M _N	IE-CL
								4/4	3/4	2/4	4/4	3/4	2/4	I _I /I _N	T _I /T _N	T _B /T _N	
400	Δ	50	5.50	-/-	9.90	2950	17.8	89.2	90.1	89.7	0.90	0.87	0.79	7.3	1.9	3.7	IE3
690	Y	50	5.50	-/-	5.70	2950	17.8	89.2	90.1	89.7	0.90	0.87	0.79	7.3	1.9	3.7	IE3
460	Δ	60	6.30	-/-	9.70	3545	17.0	89.5	89.9	89.1	0.91	0.88	0.81	7.5	1.9	3.8	IE3
460	Δ	60	5.50	-/-	8.60	3555	14.8	89.5	89.4	88.2	0.90	0.86	0.78	8.6	2.1	4.4	IE3

IM B3 / IM 1001		FS 132 S	43 kg	IP55		IEC/EN 60034	IEC, DIN, ISO, VDE, EN		
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Environmental conditions : -20 °C - + °C / 1,000 m

Locked rotor time (hot / cold) : 15.1 s | 21.2 s

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	0.0240 kg m ²		Vibration severity grade	A
Bearing DE NDE	6208 2Z C3	6208 2Z C3	Insulation	155(F) to 155(F)
bearing lifetime			Duty type	S1
L _{10mh} F _{Rad min} 50 60Hz ¹⁾ for coupling operation	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	(B) 3 PTC thermistors - for tripping (2 terminals)
Condensate drainage holes	-/-		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box

Terminal box position	top	Max. cross-sectional area	0.0 mm ²
Material of terminal box	Aluminium	Cable diameter from ... to ...	0.0 mm - 0.0 mm
Type of terminal box	TB1 H40	Cable entry	1xM32x1,5-1xM16x1,5
Contact screw thread	- / -	Cable gland	2 glands

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.	technical reference	created by	approved by	Technical data are subject to change! There may be discrepancies between calculated and rating plate values.
DI MC LVM		DT Configurator		

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Special design

N03	Temperature class 155 (F), utilised to 155 (F), with increased cooling medium temperature	R23	6 cable ends brought out, 1.5m long
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Notes:

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