

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



Motor type : 1AV2130B

SIMOTICS GP - 132 S - IM V6 - 4p

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

Remarks

Electrical data

Safe Area

U	Δ / Y	f	P	P	I	n	M	η ³⁾			cosφ ³⁾			I _A /I _N	M _A /M _N	M _K /M _N	IE-CL
[V]		[Hz]	[kW]	[hp]	[A]	[1/min]	[Nm]	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	-/-	11.30	1465	36.0	87.7	88.4	87.6	0.80	0.74	0.62	6.9	2.3	2.9	IE2
690	Y	50	5.50	-/-	6.60	1465	36.0	87.7	88.4	87.6	0.80	0.74	0.62	6.9	2.3	2.9	IE2
460	Δ	60	6.30	-/-	10.90	1765	34.0	89.5	90.0	89.1	0.81	0.76	0.66	7.3	2.3	2.9	IE2
460	Δ	60	5.50	-/-	9.90	1770	29.5	89.5	89.6	88.1	0.78	0.72	0.61	8.0	2.6	3.3	IE2
IM V6 / IM 1031		FS 132 S		42 kg		IP56		IEC/EN 60034		IEC, DIN, ISO, VDE, EN							

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

Locked rotor time (hot / cold) : 14.3 s | 22.2 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	0.0220 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} 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	left	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	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 _B /M _N = break down torque / nominal torque		

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		

SIEMENS	document type	document status		customer	
	datasheet	released			
	title	document number			
	1LE1001-1CB03-4DB6-Z				
	H22+R12	rev.	creation date	language	Page
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Special design

H22 IP 56 degree of protection R12 Terminal box rotated through 180°

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