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

Motor type : 1AV2136B **SIMOTICS GP - 132 M - IM B3 - 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) 4/4	η 3) 3/4	η 3) 2/4	cosφ 3) 4/4	cosφ 3) 3/4	cosφ 3) 2/4	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
DOL duty (S1) - 155(F) to 155(F)																	
IM B3 / IM 1001		FS 132 M		IP55	UKCA	IEC/EN 60034	IEC, DIN, ISO, VDE, EN										
Environmental conditions : -30 °C - + °C / 1,000 m								Locked rotor time (hot / cold) : 10.1 s | 17.2 s									

Mechanical data

Sound level (SPL / SWL) at 50Hz|60Hz	64 / 76 dB(A) 2) 3)	68 / 80 dB(A) 2) 3)	Vibration severity grade	A
Moment of inertia	0.0460 kg m²		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
Lubricants	Unirex N3		Net weight of the motor (IM B3)	64 kg
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	IC418 - without fan and without housing fan
External earthing terminal	No			

Terminal box

Terminal box position	top	Max. cross-sectional area	6 mm²
Material of terminal box	Aluminium	Cable diameter from ... to ...	11 mm - 21 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_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.	technical reference	created by	approved by	*Technical data are subject to change! There may be discrepancies between calculated and rating plate values.*	Link documents
DI MC LVM		DT Configurator			

SIEMENS

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Special design

D04	Minimum ambient temperature -30°C	M1Y	Non-standard winding:
F90	Without external fan and without external fan cover	N03	Temperature class 155 (F), utilised to 155 (F), with increased cooling medium temperature
H08	Terminal box at the NDE	Y99	special motor design

Notes:

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