

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



Motor type : 1AV2133C

SIMOTICS GP - 132 M - IM B5 - 6p

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	
IM B5 / IM 3001			FS 132 M	52 kg	IP55			IEC/EN 60034			IEC, DIN, ISO, VDE, EN						
Environmental conditions : -20 °C - +40 °C / 1,000 m									Locked rotor time (hot / cold) : 19.5 s 32.7 s								

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	63 / 75 dB(A) ²⁾	67 / 79 dB(A) ²⁾	External earthing terminal	No
Moment of inertia	0.0370 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} $F_{Rad min}$ 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	(A) without (Standard)
Condensate drainage holes	No		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box

Terminal box position	right	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

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_A/M_N = locked rotor torque / torque nominal	2) at rated power / at full load	
M_K/M_N = break down torque / nominal torque		

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.			
	document type datasheet			document status released		customer	
	title 1LE1001-1CC39-0FA5-Z			document number			
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Special design

F01	Mounting a brake	M1Y	Non-standard winding:
F12	Brake supply voltage 400 V AC, 50/60 Hz		

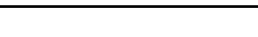
Additional information:

Brake:

Description:	BFK458-16	Current:	.31 A
Voltage:	AC 400 V	Moment of inertia:	0.001500 kgm ²

Notes:

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DI MC LVM		DT Configurator		

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		01	2021-08-13 15:38	en	2/2