

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



Motor type : 1AV3131A

SIMOTICS GP - 132 S - IM V15 - 2p

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⁾			cos φ 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	

DOL duty (S1) - 155(F) to 130(B)

IM V15 / IM 2011		FS 132 S		IP55		IEC/EN 60034	IEC, DIN, ISO, VDE, EN				Grade 3	
------------------	--	----------	--	------	--	--------------	------------------------	--	--	--	---------	--

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

Locked rotor time (hot / cold) : 9.3 s | 13.6 s

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	68 / 80 dB(A) ^{2) 3)}	72 / 84 dB(A) ^{2) 3)}	Vibration severity grade	A
Moment of inertia	0.0310 kg m ²		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⁾	20000 h	16000 h	Frame material	aluminum
Lubricants	Unirex N3		Net weight of the motor (IM B3)	57 kg
Regreasing device	No		Coating (paint finish)	Standard paint finish C2
Grease nipple	-/-		Color, paint shade	RAL7030
Type of bearing	Locating bearing DE		Motor protection	1/3 Bi-metallic sensors (opener) for tripping (2 terminals)
Condensate drainage holes	No		Method of cooling	IC411 - self ventilated, surface cooled
External earthing terminal	No			

Terminal box

Terminal box position	top	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
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.		Link documents	
DI MC LVM		DT Configurator					
SIEMENS	document type			document status			
	datasheet			released			
	title			document number			
	1LE1003-1CA19-0WZ4-Z						
© Siemens AG 2022	B02+D34+H01+L20+M1Y+Q3A			rev.	creation date	language	Page
				01	2022-07-06	en	1/2

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



Motor type : 1AV3131A

SIMOTICS GP - 132 S - IM V15 - 2p

Special design

B02	Acceptance test certificate 3.1 acc. to EN 10204	L20	Locating bearing, DE
D34	China Energy Efficiency Label	M1Y	Non-standard winding:
H01	Bolted on mounting feet (instead of cast)	Q3A	1/3 Bi-metallic sensors (opener) for tripping (2 terminals)

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	
SIEMENS	document type datasheet			document status released			
	title 1LE1003-1CA19-0WZ4-Z B02+D34+H01+L20+M1Y+Q3A			document number			
© Siemens AG 2022				rev. 01	creation date 2022-07-06	language en	Page 2/2