

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



Motor type : 1AV2132D

SIMOTICS GP - 132 M - IM B14 - 8p

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	
IM B14 / IM 3601			FS 132 M		52 kg	IP55		IEC/EN 60034			IEC, DIN, ISO, VDE, EN						
Environmental conditions : -20 °C - + °C / 1,000 m									Locked rotor time (hot / cold) : 47.4 s 75 s								

Mechanical data

Sound level (SPL / SWL) at 50Hz 60Hz	63.0 / 75.0 dB(A) ²⁾	66.0 / 78.0 dB(A) ²⁾	External earthing terminal	No
Moment of inertia	0.0370 kg m ²		Vibration severity grade	A
Bearing DE NDE	6208 Z C3	6208 Z C3	Insulation	180(H) to 180(H)
bearing lifetime			Duty type	S1
L _{10mh} F _{rad min} for coupling operation 50 60Hz ¹⁾	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	-/-		Method of cooling	IC411 - self ventilated, surface cooled

Terminal box

Terminal box position	top	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
Contact screw thread	M4	Cable gland	2 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 1LE1001-1CD29-0KA4-Z M1Y+N11		document number				
© Siemens AG 2021			rev. 01	creation date 2021-04-22 13:16	language en	Page 1/2	

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



Motor type : 1AV2132D

SIMOTICS GP - 132 M - IM B14 - 8p

Special design

M1Y Non-standard winding: N11 Temperature class 180(H), and coolant temperature max. 60°C

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.			
	document type datasheet				document status released		customer	
	title 1LE1001-1CD29-0KA4-Z				document number			
© Siemens AG 2021	M1Y+N11				rev. 01	creation date 2021-04-22 13:16	language en	Page 2/2