

Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS Motor type : 1AV3132B SIMOTICS GP - 132 M - IM B5 - 4p Offer no. Client order no. Item-No Order no. Consignment no. Project Remarks Safe Area Electrical data -/η 3) U Δ/Υ f Р Р ī М cosφ ³⁾ I_A/I_N M_A/M_N M_K/M_N IE-CL n [V] [Hz] [kW] [hp] [A] [1/min] [Nm] 4/4 3/4 4/4 2/4 I_I/I_N T_I/T_N T_B/T_N 2/4 3/4 **DOL duty (S1)** - 155(F) to 130(B) 400 Δ 50 7.50 15.00 1465 49.0 90.4 90.7 90.4 0.80 0.74 0.63 8.5 3.0 3.8 IE3 690 50 7.50 -/-8.70 90.7 0.74 3.8 1465 49.0 90.4 90.4 0.80 0.63 8.5 3.0 IE3 Δ 460 60 8.60 -/-14.90 1765 46.5 89.5 90.0 89.4 0.76 0.65 IE2 0.81 8.8 3.0 3.8 Δ -/-IE3 460 60 7.50 1770 40.5 91.7 91.6 90.6 0.79 0.73 0.61 9.8 3.4 4.3 13.00 IM B5 / IM 3001 UKCA IEC/EN 60034 IEC, DIN, ISO, VDE, EN FS 132 M Environmental conditions: -20 °C - +40 °C / 1000 m Locked rotor time (hot / cold): 14.8 s | 20.1 s Mechanical data Sound level (SPL / SWL) at 50Hz|60Hz 72 / 80 dB(A) 2) 3) 68 / 76 dB(A) 2) 3) Vibration severity grade Α Moment of inertia 0.0334 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 Regreasing device Without Net weight of the motor (IM B3) 61 kg Coating (paint finish) No paint finish (cast iron parts primed) Grease nipple Preloaded bearing DE RAL7030 Type of bearing Color, paint shade (F) 1 temperature sensor KTY84-130 (2 terminals) Condensate drainage holes Without Motor protection External earthing terminal Without Method of cooling IC411 - self ventilated, surface cooled 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 2xM32x1,5-1xM16x1,5 Cable entry Contact screw thread Μ4 Cable gland 3 plugs 1) L_{10mh} according to DIN ISO 281 10/2010 3) Value is valid only for DOL operation with motor design IC411 IA/IN = locked rotor current / current nominal 2) at rated power / at full load M_A/M_N = locked rotor torque / torque nominal $M_K/M_N = break down torque / nominal torque$ Transmittal, reproduction, dissemination and/or editing of this document as well as utilization of its contents and communication thereof to others without express authorization are prohibited. Offenders will be held liable for payment of damages. All rights created by patent grant or registration of a utility model or design patent are reserved.

Responsible department	Technical reference	Created by	Approved by	Technical data are subject to change! There may be		Link docume	ents	
IN LVM		SPC	Created automatically	discrepancies between calculated and rating plate values.			果然	
SIEMENS	Document type				Document status			
	Technical data sheet				Released			
	Document title				Document number			
	1LE1003-1CB23-4FF4-Z				TDS-240406-192225			
Restricted	F01+F11+S00				Revision	Creation date	Language	Page
© Innomotics 2024					AA	2024-04-06	en	1/2

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



Motor type : 1AV	/3132B	SIMOT	TICS GP - 132 M - IM E	85 - 4p					
Special design									
	ng of holding brake	S00	S00 No paint finish, only GG parts primed						
F11 Brake su	upply voltage, 230 V AC, 50/60 H	lz							
Additional inform	mation:								
Brake:									
Description:	BFK458-1	16	Current:			.27 A			
Voltage:	AC 230 V		Moment o	of inertia:		0.001500 kgm	2		
	lissemination and/or editing of this document by patent grant or registration of a utility mod		nts and communication thereof to	others without expre	ess authorizatio	n are prohibited. Offenders will	be held liable fo	r payment of	
Responsible department	t Technical reference	Created by	Approved by			ect to change! There may be	Link docum	ents	
SIEMENS		SPC	Created automa	tically discrepa values.	liscrepancies between calculated and rating plate values.				
	Document type			•		itatus			
		Technical data sheet				Released			
SILIVII					Document number				
B	1LE1003-1CB2 F01+F11+S00	:3-4FF4-Z				406-192225		L _{Dani}	
Restricted	1				Revision	Creation date	Language	Page	

2024-04-06

© Innomotics 2024