

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



Motor type : 1AV1132B

SIMOTICS GP - 132 M - IM B3 - 4p

Client order no.	Item-No.	Offer no.
Order no.	Consignment no.	Project

Remarks

Safe Area

Electrical data

-/-

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 I _I /I _N	M _A /M _N T _I /T _N	M _K /M _N T _B /T _N	IE-CL
								4/4	3/4	2/4	4/4	3/4	2/4				
DOL duty (S1) - 155(F) to 130(B)																	
400	Δ	50	7.50	-/-	15.40	1450	49.5	86.0	86.5	85.4	0.82	0.76	0.64	6.6	2.6	3.1	IE1
690	Y	50	7.50	-/-	8.90	1450	49.5	86.0	86.5	85.4	0.82	0.76	0.64	6.6	2.6	3.1	IE1
460	Δ	60	8.60	-/-	14.70	1750	47.0	87.5	87.8	86.7	0.84	0.79	0.68	7.0	2.4	3.0	IE1
IM B3 / IM 1001		FS 132 M		IP55		UKCA		IEC/EN 60034		IEC, DIN, ISO, VDE, EN							
Environmental conditions : -20 °C - +40 °C / 1000 m									Locked rotor time (hot / cold) : 8.6 s 15.5 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	0.0240 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} 50 60Hz ¹⁾ for coupling operation	40000 h	32000 h	Frame material	aluminum
Regreasing device	Without		Net weight of the motor (IM B3)	44 kg
Grease nipple	-/-		Coating (paint finish)	Standard paint finish C2
Type of bearing	Preloaded bearing DE		Color, paint shade	RAL7030
Condensate drainage holes	Without		Motor protection	(B) 3 PTC thermistors - for tripping (2 terminals)
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	Cable entry	2xM32x1,5-1xM16x1,5
Contact screw thread	M4	Cable gland	3 plugs

I_A/I_N = locked rotor current / current nominal
 M_K/M_N = locked rotor torque / torque nominal
 M_B/M_N = break down torque / nominal torque
 1) L_{10mh} 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

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 IN LVM	Technical reference	Created by SPC	Approved by Created automatically	<i>Technical data are subject to change! There may be discrepancies between calculated and rating plate values.</i>	Link documents
	Document type Technical data sheet	Document status Released			
	Document title 1LE1002-1CB23-4AB4-Z	Document number TDS-240614-120953			
Restricted © Innomotics 2024	D22+D47	Revision AA	Creation date 2024-06-14		

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



Motor type : 1AV1132B

SIMOTICS GP - 132 M - IM B3 - 4p

Special design

D22	Motor without CE character for export outside the EEA (see EU regulation 2019/1781)	D47	TR CU product safety certificate EAC for the Eurasian Customs Union
-----	---	-----	---

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 IN LVM	Technical reference	Created by SPC	Approved by Created automatically	<i>Technical data are subject to change! There may be discrepancies between calculated and rating plate values.</i>	Link documents
	Document type Technical data sheet	Document status Released			
	Document title 1LE1002-1CB23-4AB4-Z	Document number TDS-240614-120953			
Restricted © Innomotics 2024	D22+D47	Revision AA	Creation date 2024-06-14		