

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

Motor type: GP100 FS: 184T - 2p - 5 hp -

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

Remarks	
---------	--

Electrical data	without
-----------------	---------

without

[illegible]

Frame Type: 184T	Type of constr.: (A) Foot mounted - End shield	Ins. Cl.:Standard Class F Insulation	Motor Prot.:(A) Without Protection	NEMA Des.: B	S.F.: 1.15
Mtr. WT:109		Temp. Rise Cl.: B	Amb. Temp.: + 40 to -20 °C @1000 m	kVA: J	I.P.: 55

Mechanical data

Sound level (SPL / SWL) at 60 Hz				69.0 dB(A) / 81.0 dB(A)				Thickener	Polyurea
Octave Band Center Frequencies Hertz								Safe Stall Time Hot	15 s
	250	500	1000	2000	4000	8000	Hz	Safe Stall Time Cold	29 s
SPL@3	49.0	61.0	66.0	64.0	60.0	50.0	dB(A)	Frame material	cast iron
Moment of inertia					0.2 Lb-ft²			Color, paint shade	Standard Paint - RAL7030
Ext Load Inertia Capability:					57.0 Lb ft²			Coating (paint finish)	Standard Alkyed + Epoxy (C2)
Bearings									
Bearing DE NDE			6206 ZZ C3 S0		6206 ZZ C3 S0			Method of cooling	TEFC
Bearing_Type			Ball Bearing		Ball Bearing			Direction of rotation	Bidirectional
AFBMA:			30BC02JPP30		30BC02JPP30			Fan Material	Polypropylen
Grease									
Capacity			0.20 oz		0.20 oz			VFD	CT: 4:1 VT: 20:1
Grease Type:					Exxon Mobile EM			Space heaters	without
								Brake:	without

Terminal box

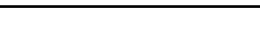
Lead Wire Connection					3 LEAD - WYE	Terminal box position	(3) F-1, Standard Floor Mount, T. Box LHS
Voltage	L1	L1	L1	Connected together	Material of terminal box	Aluminium	
----	----	----	----	----	Cable entry	.75" NPT	
----	T1	T2	T3	----			

Notes:

I_L/I_N = locked rotor current / current nominal	3) Value is valid only for DOL operation with motor design IC411
M_L/M_N = locked rotor torque / torque nominal	2) at rated power / at full load
M_B/M_N = break down torque / nominal torque	

3) Value is valid only for DOL operation with motor design IC411
2) at rated power / at full load

responsible dep. DI MC LVM	technical reference	created by DT Configurator	approved by	Technical data are subject to change! There may be discrepancies <i>between the actual data and the data in the technical data</i>
-------------------------------	---------------------	-------------------------------	-------------	--

	document type	document status		customer	
	datasheet	released			
© Siemens AG 2021	title	document number		language	Page
	1LE2221-1CA39-0AA3-Z B09+D05+M1Y+Y80	rev. 01	creation date 2021-04-21 11:13		

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

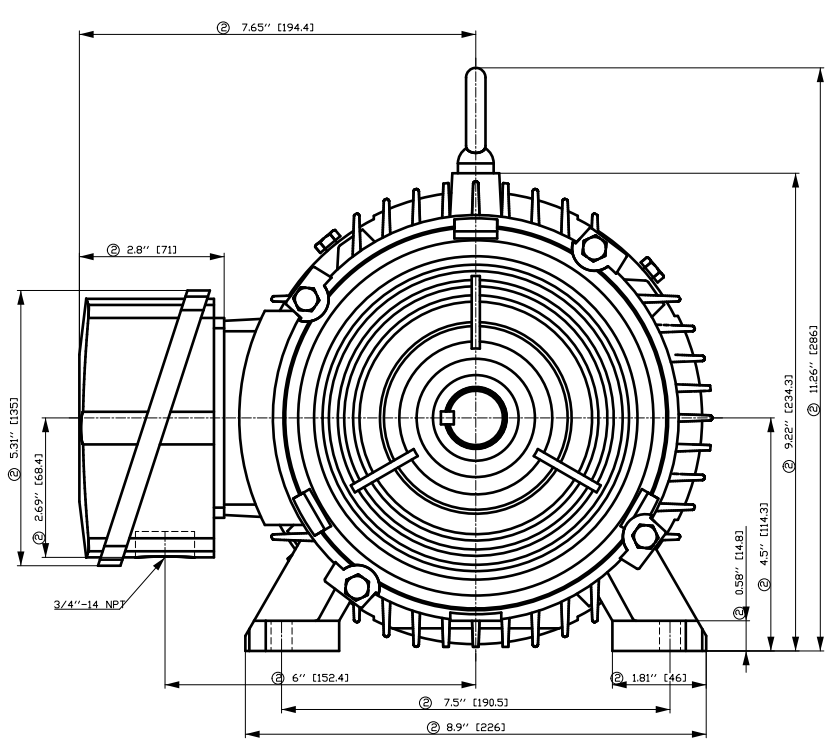
Motor type: GP100 FS: 184T - 2p - 5 hp -

Special design

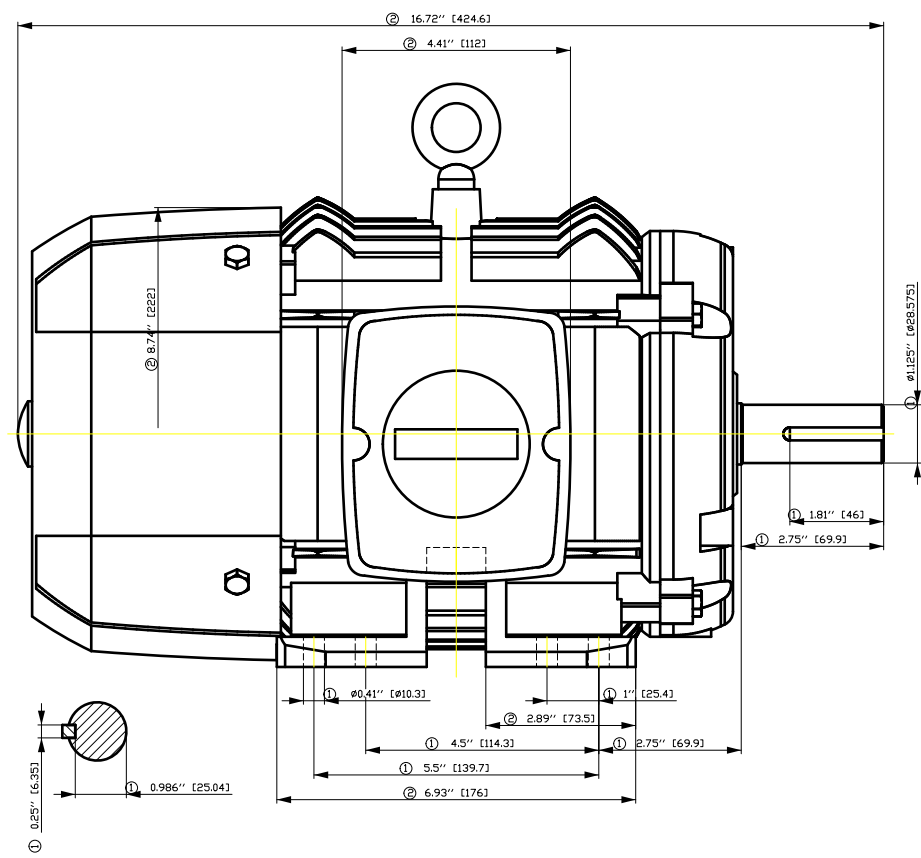
B09	Export packing sea freight - Siemens standard	M1Y	Special voltage (200-460V)
D05	Documentation in Spanish	Y80	Rerate / derate altitude and/or ambient:

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 configurations and customer data sheets			
	document type datasheet				document status released		customer	
	title 1LE2221-1CA39-0AA3-Z				document number			
	© Siemens AG 2021	B09+D05+M1Y+Y80	rev. 01	creation date 2021-04-21 11:13		language en	Page 2/2	



- ① Tolerances according to NEMA std.
- ② All these dimensions corresponding to assemblies and castings shall have a tolerance as per DIN standard 1686-GTB 19.
- ③ Not according to NEMA std.

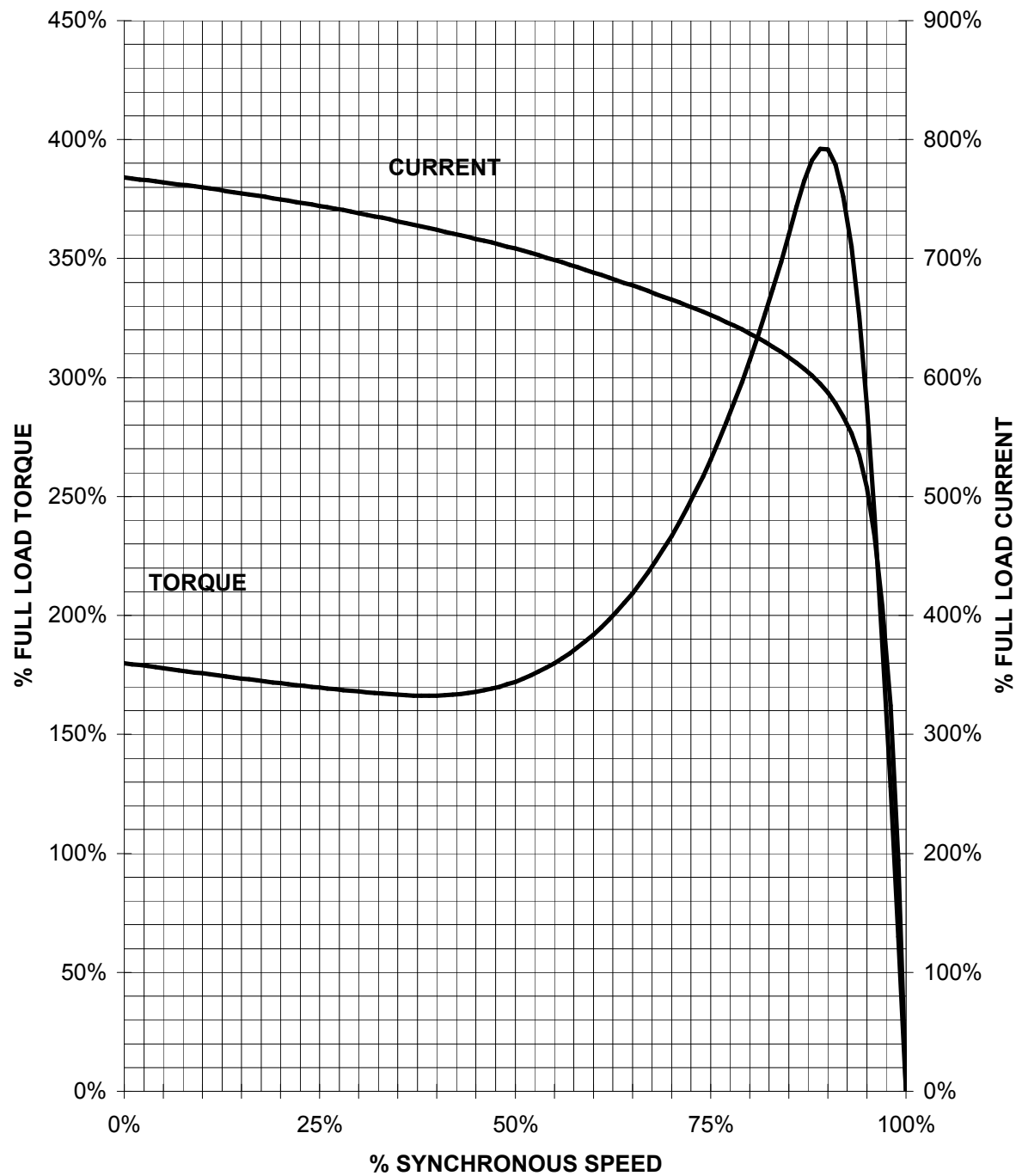


Tolerance	Surface	Material	Weight	Scale
1LE2221-1CA39-0AA3-Z B09+D05+M1Y+Y80	Author Creator Approval Department Change Order	Dimensional drawing Maßzeichnung		
SIEMENS © Siemens AG 2018	Doc. State 4/21/21	Item No	Paper Size A3	
	Revision Index RS	Doc No	1st Language en 2nd Language de	
	Project No -	Ref No -	Sheet 1 of 1	

SIEMENS INDUSTRY, INC.

HP 5 VOLTS < 600V RPM 3600 TYPE GP100
HZ 60 PHASE 3 FRAME 184T NEMA B

TORQUE & CURRENT VS. SPEED



CUSTOMER: _____ ORDER#: _____

Main terminal diagram

responsible dep. DI MC LVM	technical reference	created by	approved by	Project				
	document type Wiring Diagram				document status free		customer	
	title 1LE2221-1CA39-0AA3-Z				document number			
	© Siemens AG 2019	B09+D05+M1Y+Y80	rev. 01	creation date 12/03/2019		language en	Page 1/1	