

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

Motor type: GP100 FS: 213T - 2p - 7.5 hp -

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

Remarks	
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Electrical data	without
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without

[illegible]

Frame Type: 213T	Type of constr.: (E) Foot mounted - C-Face	Ins. Cl.:Standard Class F Insulation	Motor Prot.:(A) Without Protection	NEMA Des.: B	S.F.: 1.15
Mtr. WT:209		Temp. Rise Cl.: B	Amb. Temp.: + 40 to -20 °C @1000 m	kVA: H	I.P.: 55

Mechanical data

Sound level (SPL / SWL) at 60 Hz				66.0 dB(A) / 78.0 dB(A)				Thickener	Polyurea
Octave Band Center Frequencies Hertz								Safe Stall Time Hot	17 s
	250	500	1000	2000	4000	8000	Hz	Safe Stall Time Cold	30 s
SPL@3	53.0	55.0	63.0	62.0	58.0	47.0	dB(A)	Frame material	cast iron
Moment of inertia				0.4 Lb-ft²				Color, paint shade	Standard Paint - RAL7030
Ext Load Inertia Capability:				83.0 Lb ft²				Coating (paint finish)	Standard Alkyed + Epoxy (C2)
Bearings									
Bearing DE NDE			6208 ZZ C3 S0			6208 ZZ C3 S0			
Bearing_Type			Ball Bearing			Ball Bearing			
AFBMA:			40BC02JPP30			40BC02JPP30			
Grease									
Capacity			0.30 oz			0.30 oz			
Grease Type:				Exxon Mobile EM				Brake:	without
VFD								CT: 4:1 VT: 20:1	
Space heaters								without	
Brake:								without	

Terminal box

Lead Wire Connection		9 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
LOW	T1 T7	T2 T8	T3 T9	T4 T5 T6	Cable entry	1" NPT
HIGH	T1	T2	T3	T4 T7-T5 T8-T6 T9		

Notes:

I_{lr}/I_{ln} = locked rotor current / current nominal	3) Value is valid only for DOL operation with motor design IC411
M_{lr}/M_{ln} = locked rotor torque / torque nominal	2) at rated power / at full load
M_{br}/M_{ln} = 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 published and actual data values.			
	document type datasheet				document status released		customer	
	title 1LE2221-2AA11-4EA3-Z				document number			
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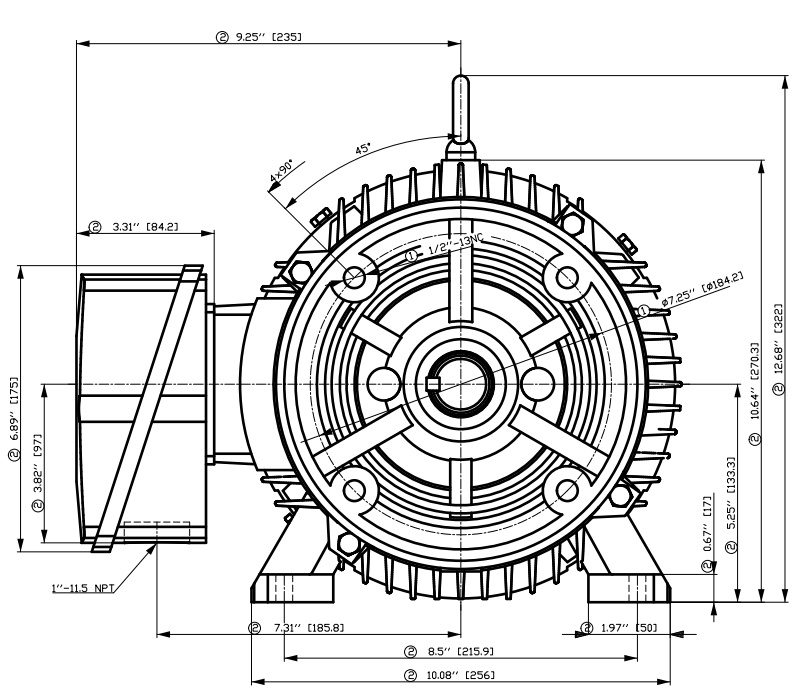
Motor type: GP100 FS: 213T - 2p - 7.5 hp -

Special design

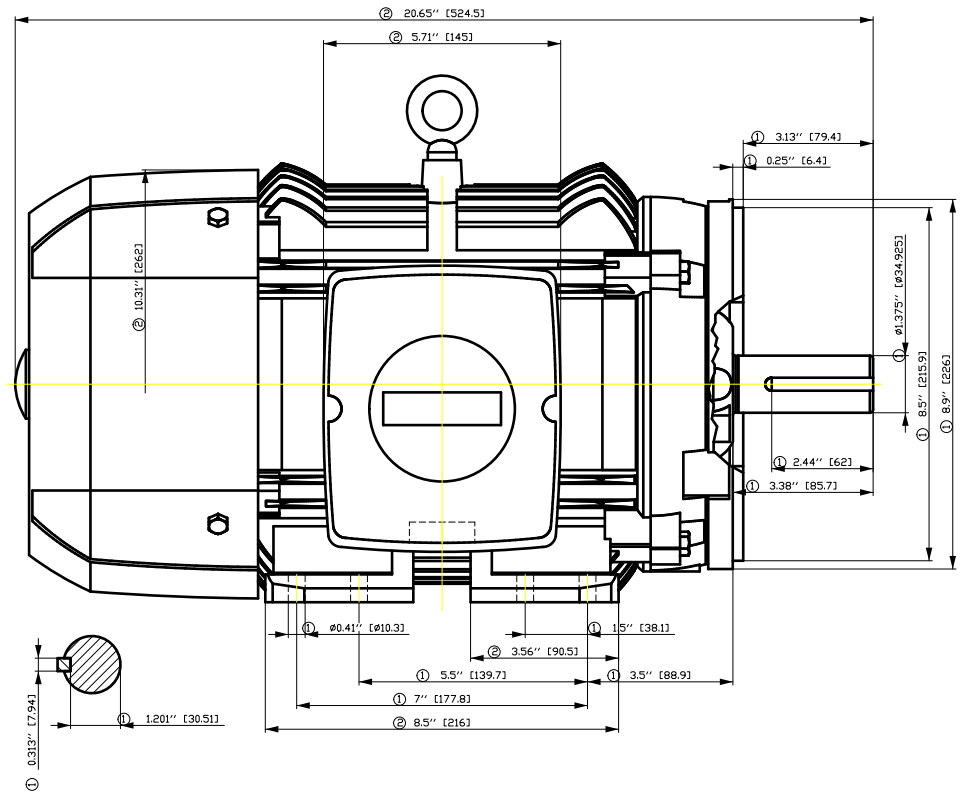
B09	Export packing sea freight - Siemens standard
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Notes:

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- 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.

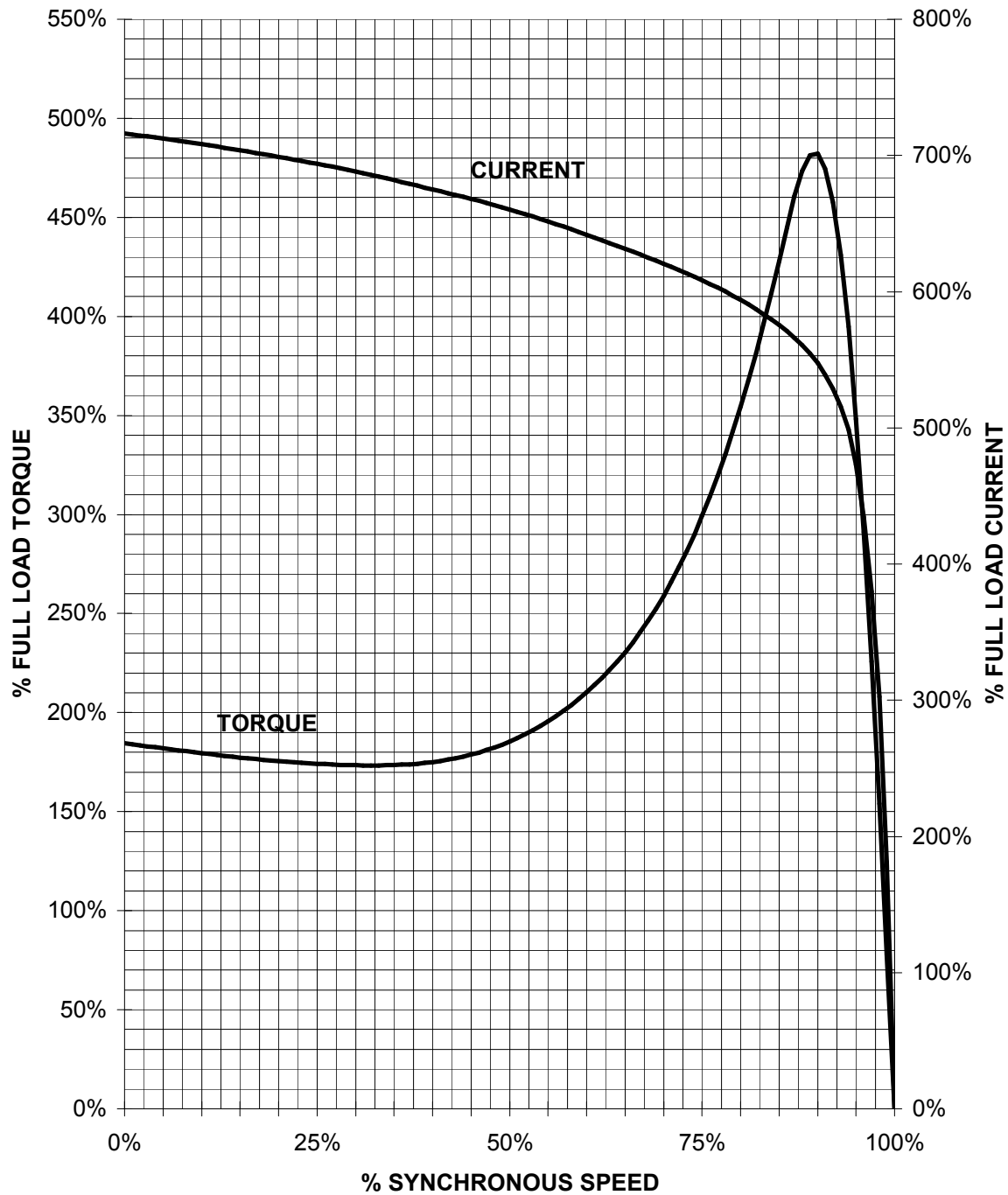


Tolerance	Surface	Material	Weight	Scale
1LE2221-2AA11-4EA3-Z B09	Author Creator Approval Department Change Order	Dimensional drawing Maßzeichnung		
SIEMENS © Siemens AG 2018	Doc. State	4/22/21	Item No	Paper Size A3
	Revision	Index RS	Doc No	1st Language en 2nd Language de
	Project No	-	Ref No	-
				Sheet 1 of 1

SIEMENS INDUSTRY, INC.

HP 7,5 VOLTS < 600V RPM 3600 TYPE GP100
HZ 60 PHASE 3 FRAME 213T NEMA B

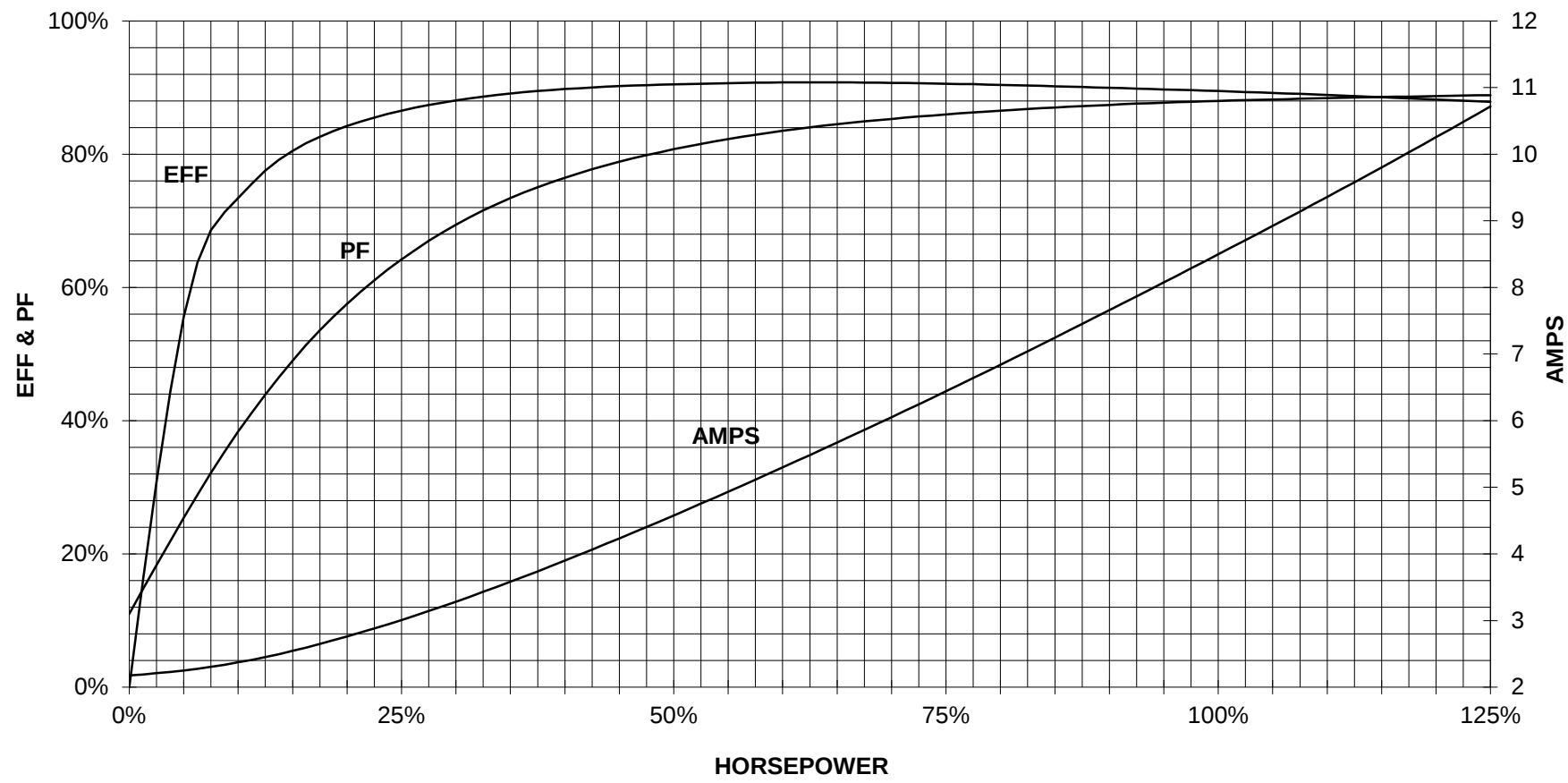
TORQUE & CURRENT VS. SPEED



CUSTOMER: _____ ORDER#: _____

7.5 HP 3600 RPM 213T FRAME 460 VOLTS 3 PHASE NEMA DESIGN B

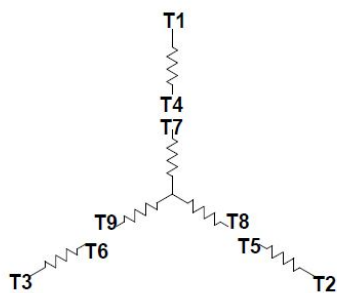
SIEMENS INDUSTRY, INC.
PERFORMANCE CURVE
GP100



CUSTOMER _____ ORDER # _____ PO # _____

PERFORMANCE BASED ON DESIGN CALCULATIONS. SUBJECT TO CHANGE WITHOUT NOTICE.

Main terminal diagram



9 LEAD WYE						
Volts	LINES			CONNECTED TOGETHER	CONN.	
	L1	L2	L3			
LOW	T1 T7	T2 T6	T3 T9	T4 T5 T6	Y Y	
HIGH	T1	T2	T3	T4 T7-T5 T8-T6 T9	Y	

responsible dep.
DI MC LVM

technical reference

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Project

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document type
Wiring Diagram

title
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document status

free

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