

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

Motor type: GP100 FS: 254T - 4p - 15 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: 254T	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:242		Temp. Rise Cl.: B	Amb. Temp.: + 40 to -20 °C @1000 m	kVA: G	I.P.: 55

Mechanical data

Sound level (SPL / SWL) at 60 Hz								61.0 dB(A) / 73.0 dB(A)		Thickener		Polyurea			
Octave Band Center Frequencies Hertz										Safe Stall Time Hot		21 s			
	250	500	1000	2000	4000	8000	Hz			Safe Stall Time Cold		33 s			
SPL@3	47.0	53.0	59.0	56.0	47.0	38.0	dB(A)			Frame material		cast iron			
Moment of inertia								1.7 Lb-ft²		Color, paint shade		Standard Paint - RAL7030			
Ext Load Inertia Capability:								75.0 Lb ft²		Coating (paint finish)		Standard Alkyed + Epoxy (C2)			
Bearings										Ventilation Type					
Bearing DE NDE								6209 ZZ C3 S0		6209 ZZ C3 S0		Method of cooling		TEFC	
Bearing_Type								Ball Bearing		Ball Bearing		Direction of rotation		Bidirectional	
AFBMA:								45BC02JPP30		45BC02JPP30		Fan Material		Polypropylen	
Grease												VFD		CT: 4:1 VT: 20:1	
Capacity								0.50 oz		0.50 oz		Space heaters		without	
Grease Type:								Exxon Mobile EM				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	1.25" 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 individual editions of this document.			
		document type datasheet			document status released		customer	
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Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS

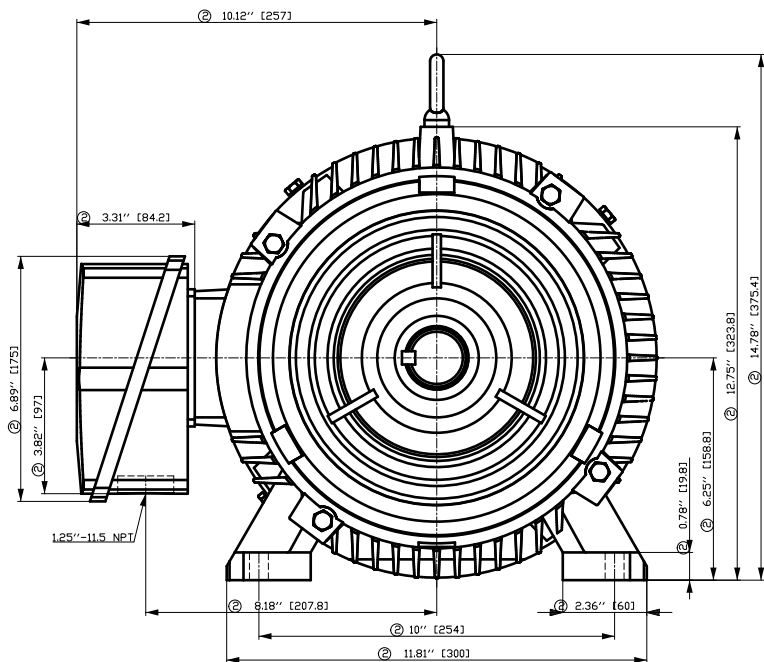
Motor type: GP100 FS: 254T - 4p - 15 hp -

Special design

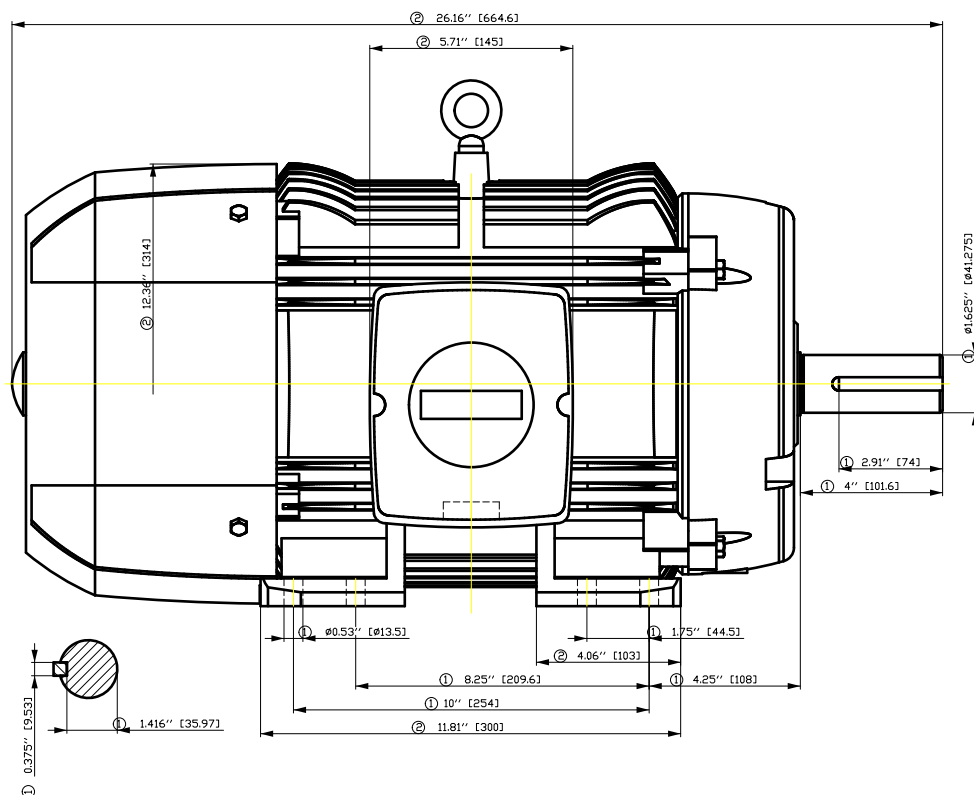
B09	Export packing sea freight - Siemens standard
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Notes:

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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.

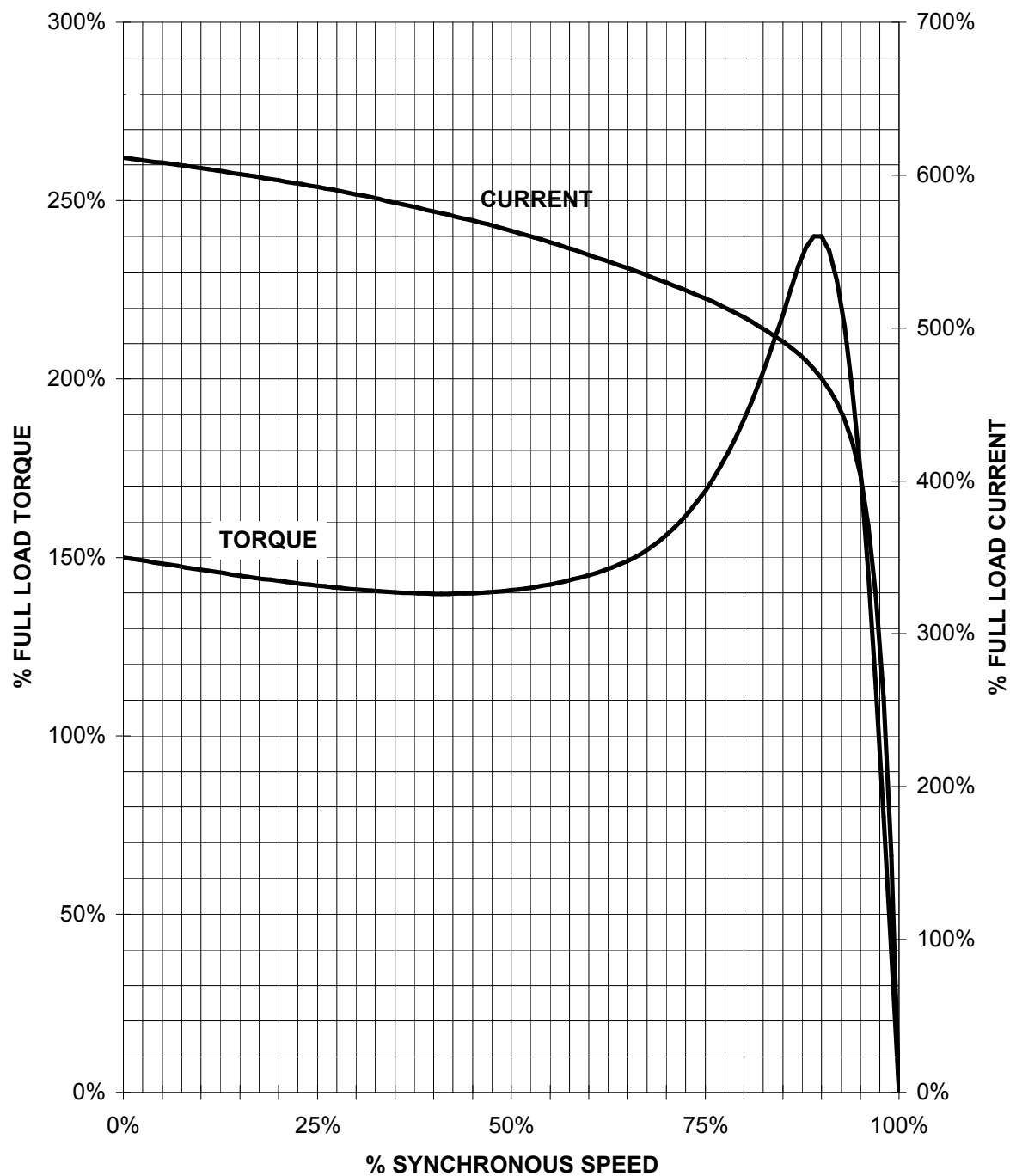


Tolerance	Surface	Material	Weight	Scale
1LE2221-2BB11-4AA3-Z B09	Author Creator Approval Department Change Order	Dimensional drawing Maßezeichnung		
SIEMENS © Siemens AG 2018	Doc. State Revision	4/21/21 Index RS	Item No Doc No	Doc Type Paper Size 1st Language 2nd Language
	Project No	-	Ref No	-
				Sheet 1 of 1
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SIEMENS INDUSTRY, INC.

HP 15 VOLTS < 600V RPM 1800 TYPE GP100
HZ 60 PHASE 3 FRAME 254T NEMA B

TORQUE & CURRENT VS. SPEED

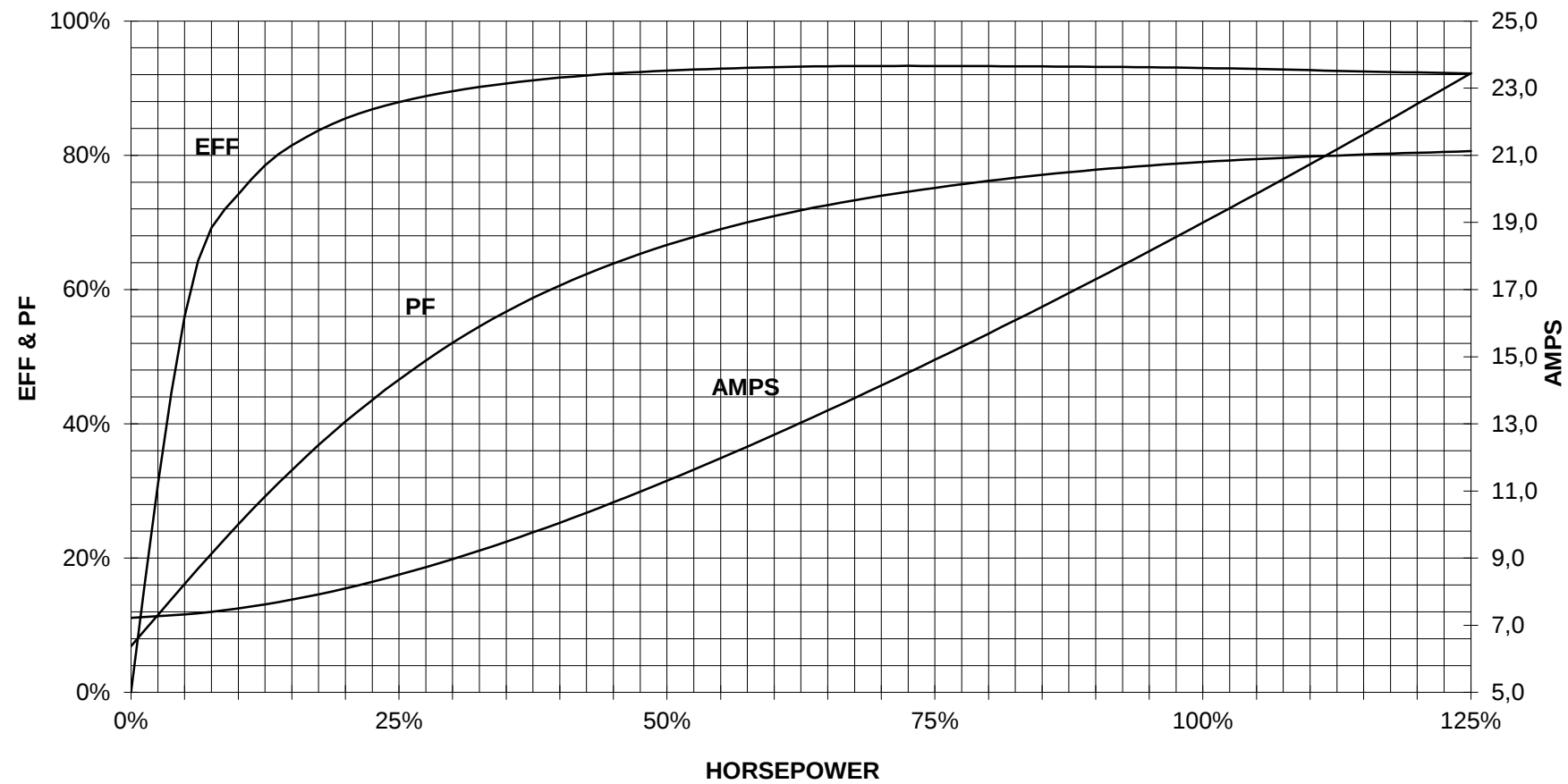


CUSTOMER: _____ ORDER#: _____

PERFORMANCE BASED ON DESIGN CALCULATIONS. SUBJECT TO CHANGE WITHOUT NOTICE.
REV. 1

15 HP 1800 RPM 254T FRAME 460 VOLTS 3 PHASE NEMA DESIGN B

SIEMENS INDUSTRY, INC.
PERFORMANCE CURVE
GP100

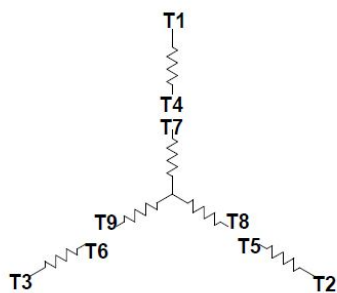


CUSTOMER _____ ORDER # _____ PO # _____

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

REV. 1

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

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