

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

Motor type: GP100 FS: 284T - 4p - 25 hp -

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

Electrical data	without
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without

[illegible]

Frame Type: 284T	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:445		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	65.0 dB(A) / 76.0 dB(A)							Thickener	Polyurea
Octave Band Center Frequencies Hertz								Safe Stall Time Hot	24 s
	250	500	1000	2000	4000	8000	Hz	Safe Stall Time Cold	44 s
SPL@3	51.0	55.0	55.0	62.0	59.0	51.0	dB(A)	Frame material	cast iron
Moment of inertia	4.4 Lb-ft²							Color, paint shade	Standard Paint - RAL7030
Ext Load Inertia Capability:	122.0 Lb ft²							Coating (paint finish)	Standard Alkyed + Epoxy (C2)
Bearings									
Bearing DE NDE			6310 Z C3 S0			6210 ZZ C3 S0			
Bearing_Type			Ball Bearing			Ball Bearing			
AFBMA:			50BC03JP30			50BC02JPP30			
Grease									
Capacity			2.60 oz			2.30 oz			
Grease Type:			Exxon Mobile EM						
VFD								CT: 4:1 VT: 20:1	
Space heaters								without	
Brake:								without	

Terminal box

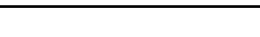
Lead Wire Connection		9 LEAD - DELTA			Terminal box position	(3) F-1, Standard Floor Mount, T. Box LHS
Voltage	L1	L1	L1	Connected together	Material of terminal box	Stamped Steel
LOW	T1 T7 T6	T2 T8 T4	T3 T9 T5	-- -- --	Cable entry	2" NPT
HIGH	T1	T2	T3	T4 T7-T5 T8-T6 T9		

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	

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>Technische Daten sind ohne Gewähr! Es kann zu Abweichungen kommen!</i>
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	document type	document status		customer	
	datasheet	released			
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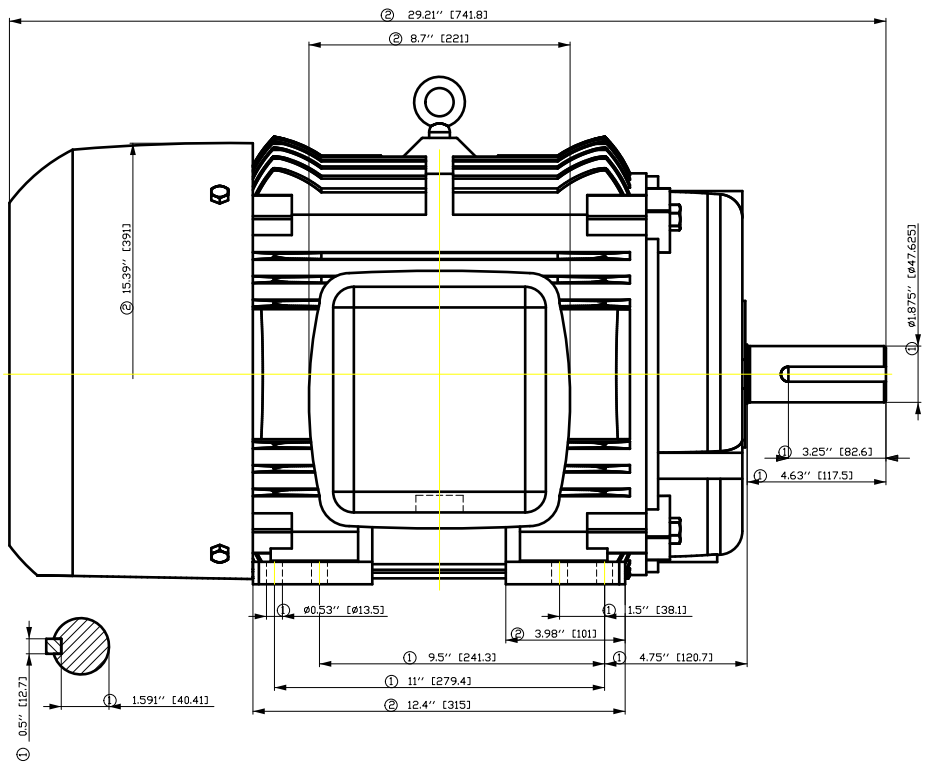
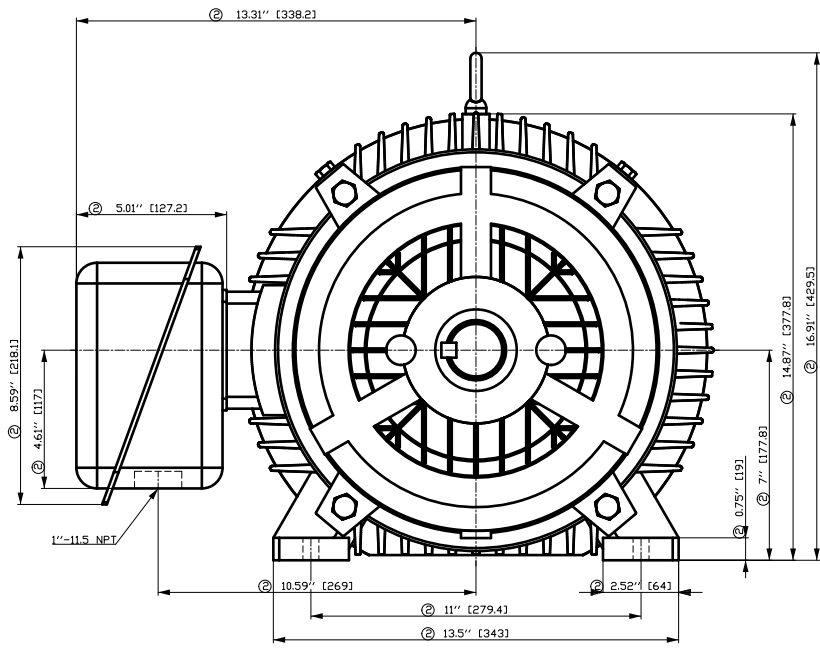
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Special design

B09	Export packing sea freight - Siemens standard	F00	Certificate of Compliance
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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 selected and actual data before			
	document type datasheet			document status released		customer	
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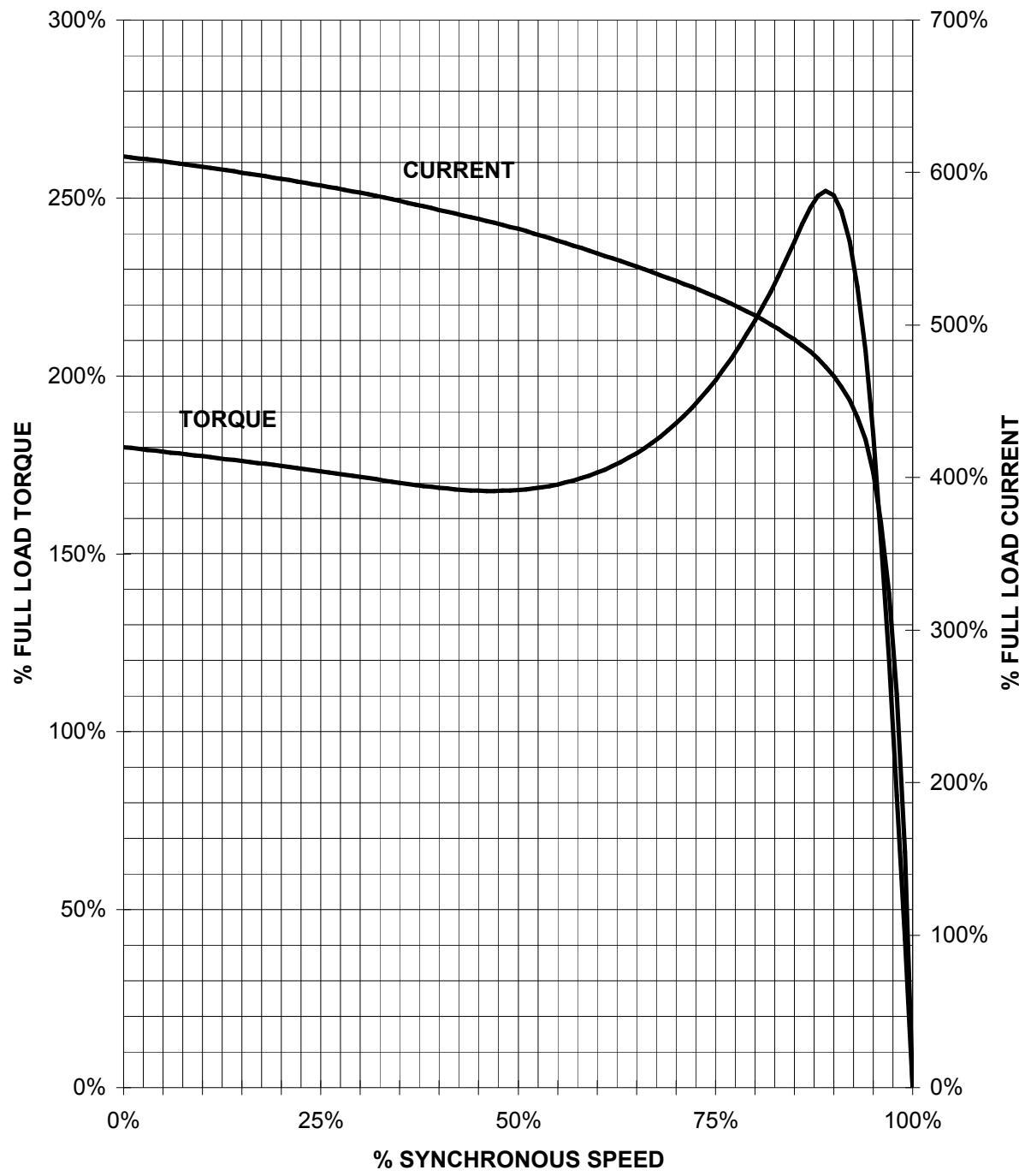
- ① Tolerances according to NEMA std.
- ② All these dimensions corresponding to assemblies and castings shall have a tolerance as per DIN standard 1686-GTB 19.
- ③ Not according to NEMA std.

Tolerance	Surface	Material	Weight	Scale
1LE2221-2CB11-6AA3-Z B09+F00	Author	Dimensional drawing Maßzeichnung		
	Creator DTK			
	Approval			
	Department			
	Change Order	MLFB	Doc Type	
SIEMENS	Doc. State	4/22/21	Item No	Paper Size A3
	Revision	Index RS	Doc No	1st Language en
				2nd Language de
				Sheet 1 of 1
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SIEMENS INDUSTRY, INC.

HP 25 VOLTS < 600V RPM 1800 TYPE GP100
HZ 60 PHASE 3 FRAME 284T NEMA B

TORQUE & CURRENT VS. SPEED

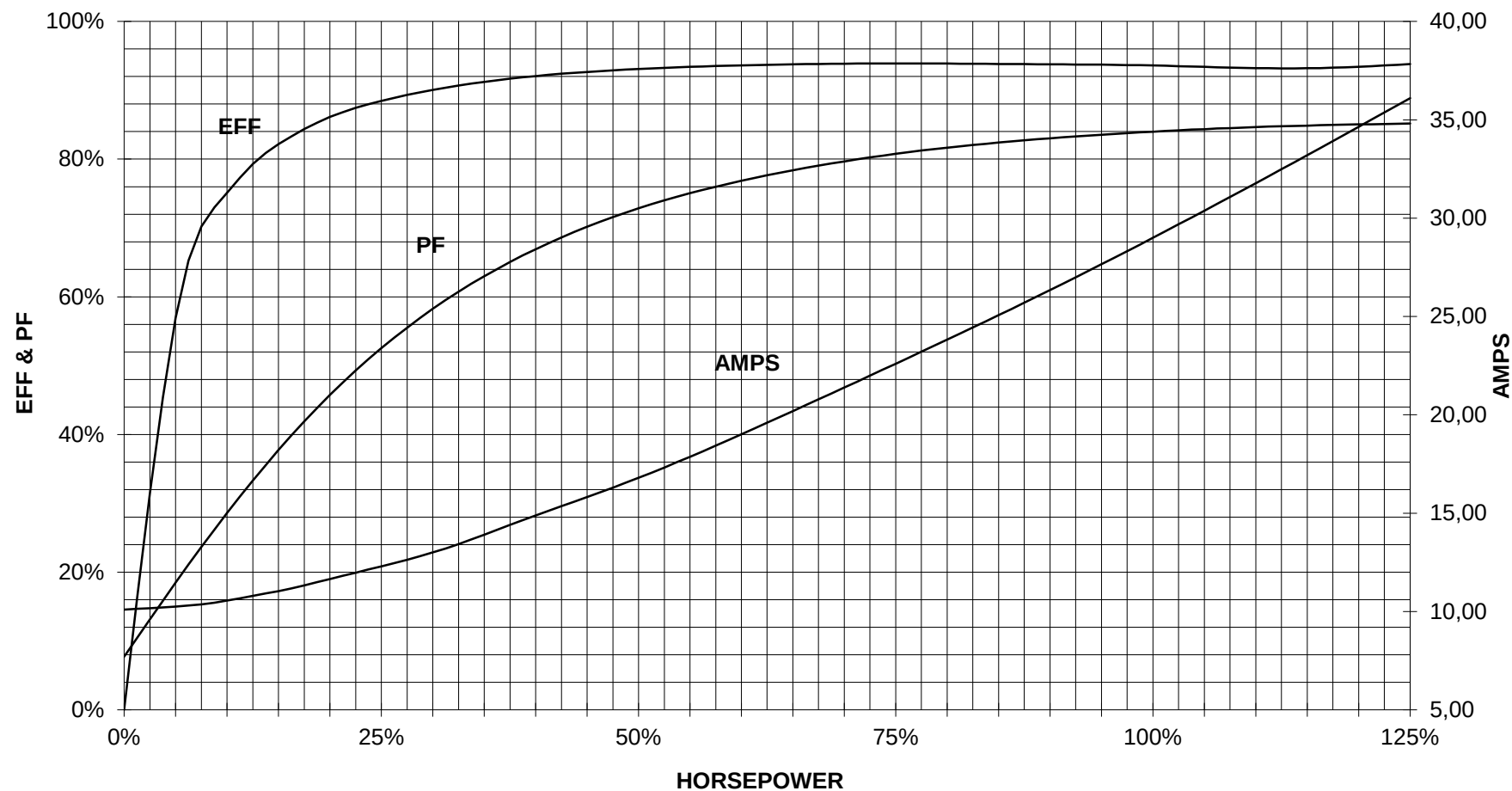


CUSTOMER: _____ ORDER#: _____

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

25 HP 1800 RPM 284T FRAME 460 VOLTS 3 PHASE NEMA DESIGN B

SIEMENS INDUSTRY, INC.
PERFORMANCE CURVE
GP100

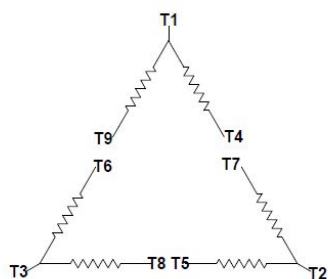


CUSTOMER: _____ ORDER #: _____

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

REV. 1

Main terminal diagram



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

responsible dep. DI MC LVM	technical reference	created by	approved by	Project				
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