

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
Remarks		

Electrical data

without

U [V]	Δ / Y	f [Hz]	P [HP]	P [kW]	n [rpm]	I Load [Amps]					LRC	Nom. Eff Load [%]			Pwr. Factor Load [%]			Torque	T _A /T _N	T _k /T _N
						4/4	3/4	1/2	0	4/4		3/4	2/4	4/4	3/4	2/4	[lb-ft]	LRT [%]	BDT [%]	
460	Δ	60	25.00	18.50	1,775	30.00	23.30	17.60	11.00	183.0	93.6	94.0	93.5	84.0	80.0	71.0	74.0	180	250	
230	Δ Δ	60	25.00	18.50	1,775	60.00	46.69	35.26	22.00	366.0	93.6	94.0	93.5	84.0	80.0	71.0	74.0	180	250	
400	Δ	50	20.00		1,480	27.97	21.42	17.29	12.06	192.4	92.1	92.6	91.9	82.1	80.0	66.6	71.0	215	335	
200	Δ Δ	50	20.00		1,480	55.94	42.84	34.58	24.12	384.8	92.1	92.6	91.9	82.1	80.0	66.6	71.0	215	335	
Frame Type: 284T			Type of constr.: (A) Foot mounted - End shield										Motor Prot.:(A) Without Protection				NEMA Des.: B		S.F.: 1.15	
Mtr. WT:445 lbs			Insulation Class.:Standard Class F Insulation							Temp. Rise Cl.: B		Amb. Temp.: + 40 to -20 °C @1000 m				kVA: G		IP 54		

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										Ventilation Type																								
Bearing DE NDE					6310 Z C3 S0					6210 ZZ C3 S0					Method of cooling										TEFC									
Bearing_Type					Ball Bearing					Ball Bearing					Direction of rotation										Bidirectional									
AFBMA:					50BC03JP30					50BC02JPP30					Fan Material										Polypropylen ESD									
Grease										VFD										CT: 4:1 VT: 20:1														
Capacity					2.6 oz					2.3 oz					Space heaters										without									
Grease Type:					Exxon Mobile EM					Brake:					without																			

Terminal box											
Lead Wire Connection				9 LEAD - DELTA		Terminal box position				(3) F-1, Standard Floor Mount, T. Box LHS	
Voltage	L1	L2	L3	Connected together		Material of terminal box				Stamped Steel	
LOW	T1 T7 T6	T2 T8 T4	T3 T9 T5	-- -- --		Cable entry				1.5" NPT	
HIGH	T1	T2	T3	T4 T7-T5 T8-T6 T9							

Notes:

I_L/I_N = locked rotor current / current nominal
M_L/M_N = locked rotor torque / torque nominal
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.	technical reference	created by	approved by	Technical data are subject to change! There may be discrepancies between datasheet and actual motor surface					
DI MC LVM		DT Configurator							
	document type			document status		customer			
	datasheet			released					
	title			document number					
1LE2221-2CB11-6AA3-Z									
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				01	2022-09-08 12:38	en	1/2		

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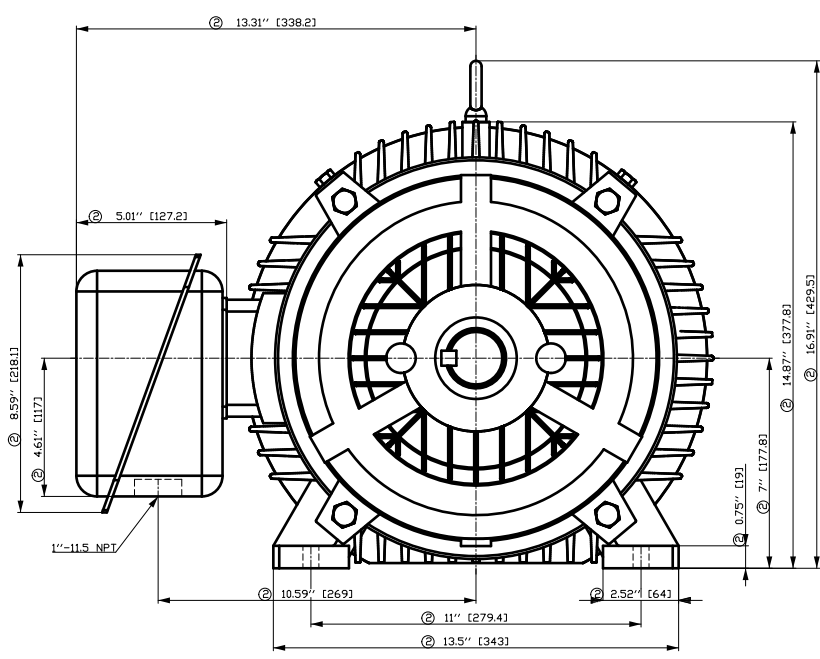
Motor type: GP100 FS: 284T - 4p - 25 hp -

Special design

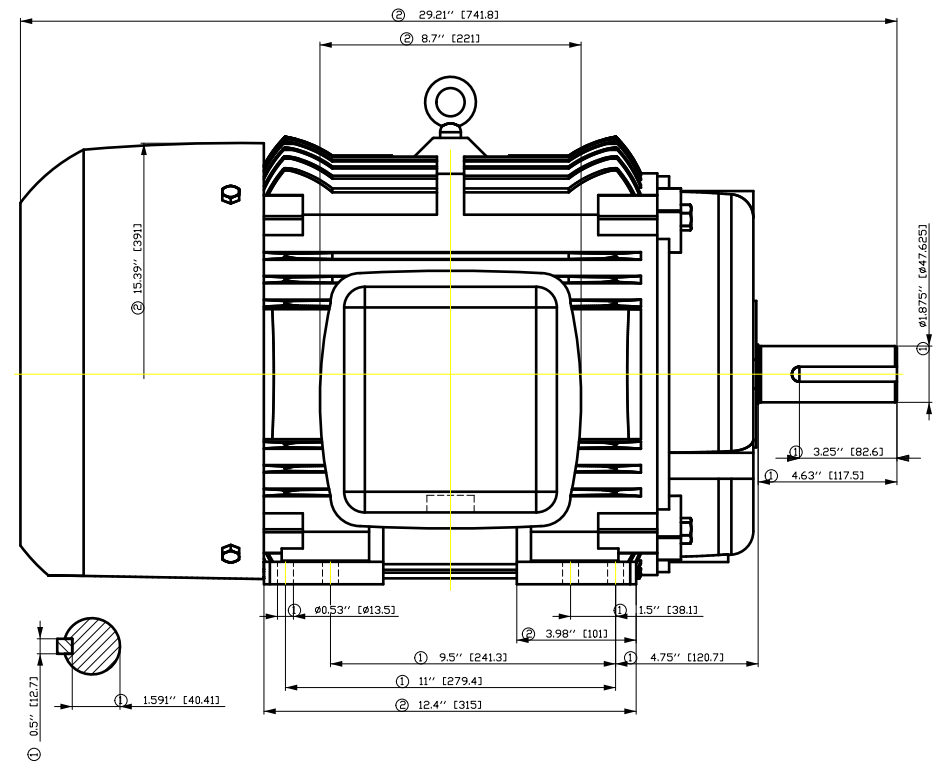
B09 Export packing sea freight - Siemens standard

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 calculated and actual data values			
	document type datasheet		document status released		customer			
	title 1LE2221-2CB11-6AA3-Z		document number					
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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.

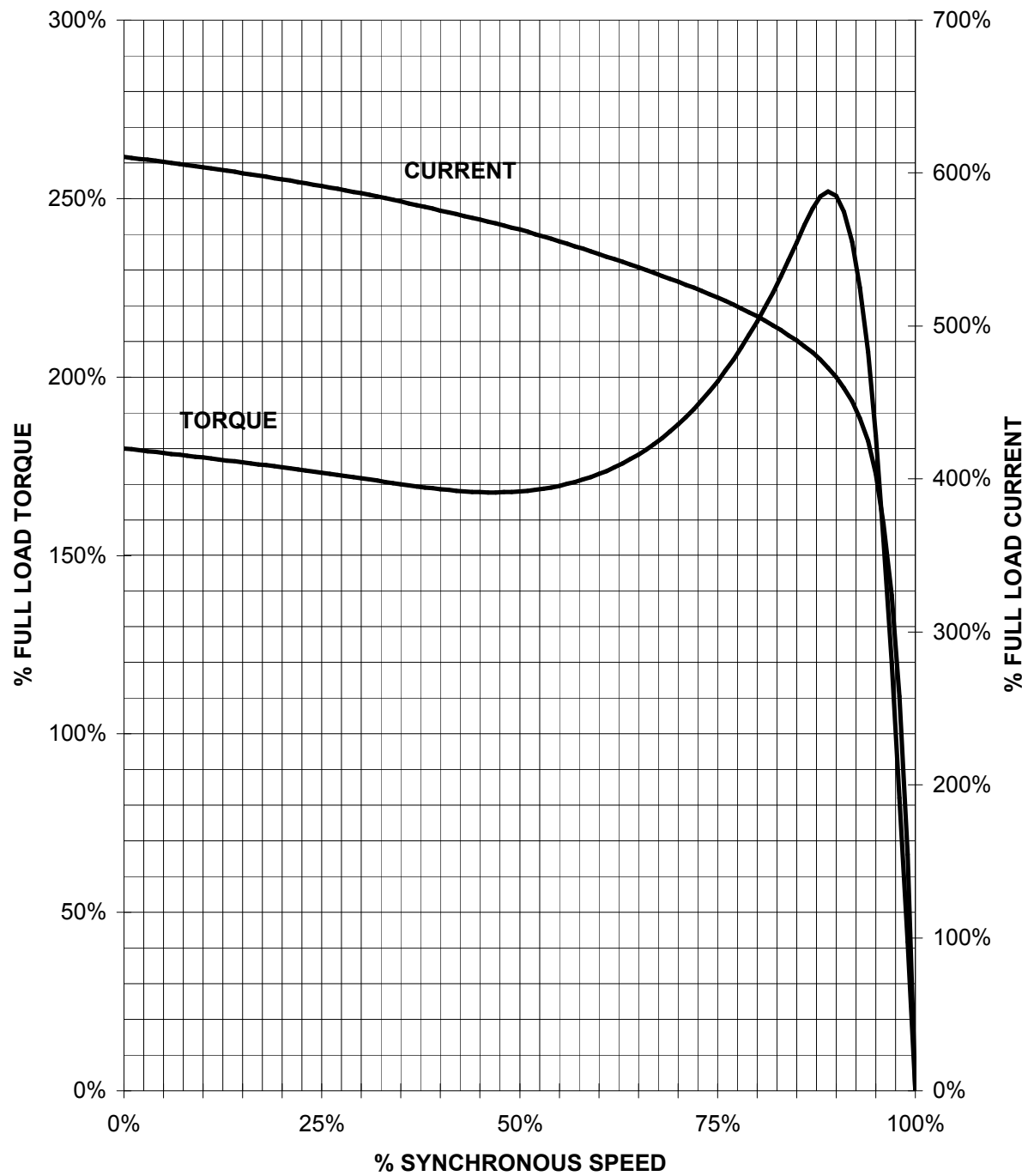


Tolerance	Surface	Material	Weight	Scale
1LE2221-2CB11-6AA3-Z B09	Author Creator Approval Department Change Order	Dimensional drawing Maßzeichnung		
SIEMENS	Doc. State	9/8/22	Item No	Paper Size A3
	Revision	Index RS	Doc No	1st Language en 2nd Language de
	Project No	-	Ref No	Sheet 1 of 1
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SIEMENS INDUSTRY, INC.

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

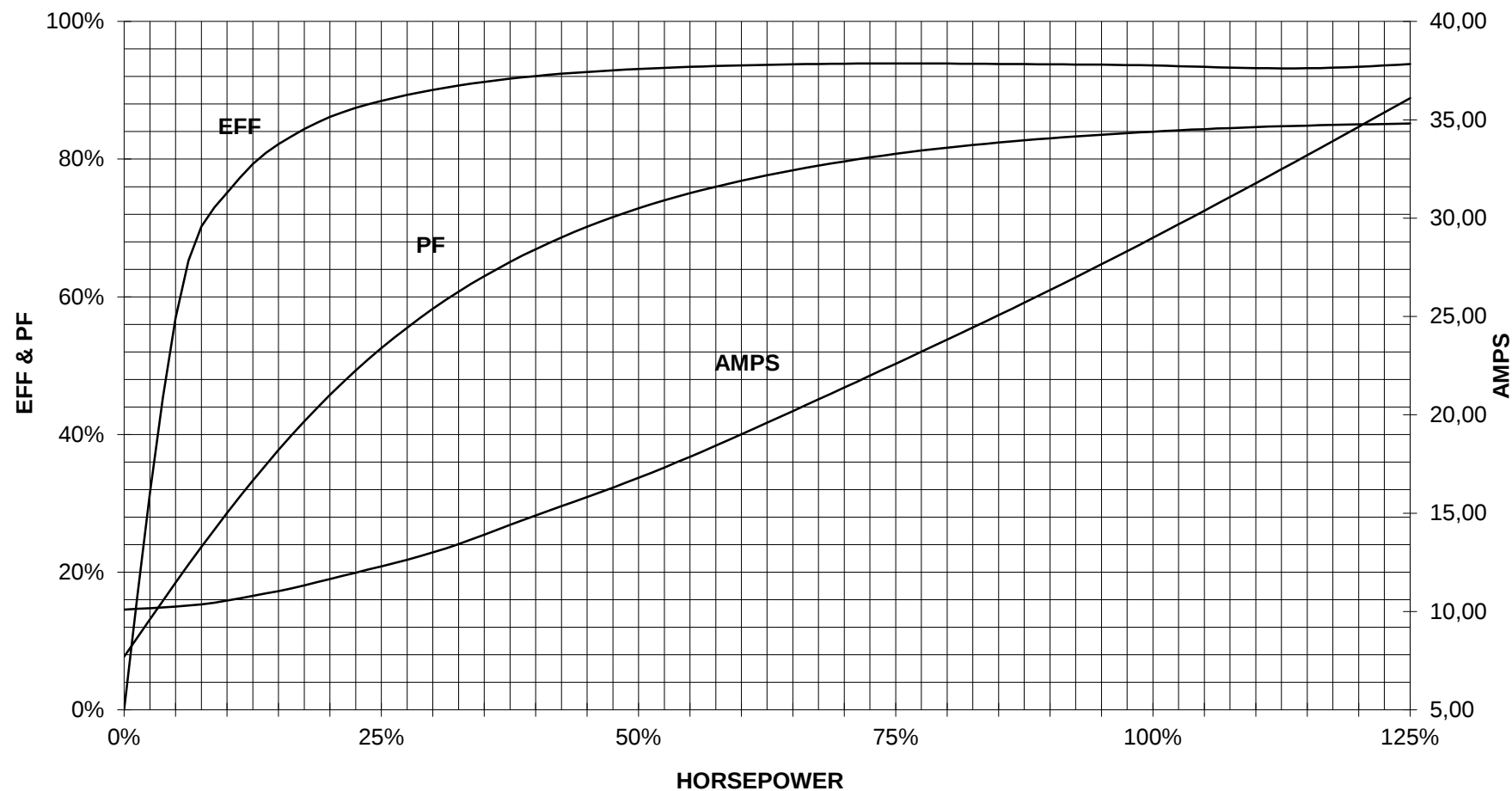
TORQUE & CURRENT VS. SPEED



CUSTOMER: _____ ORDER#: _____

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

SIEMENS INDUSTRY, INC.
PERFORMANCE CURVE
GP100

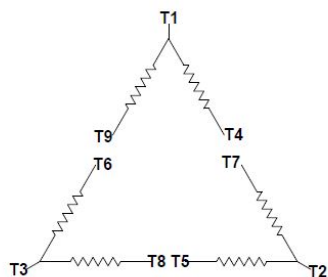


CUSTOMER: _____ ORDER #: _____

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 T9 T5					
HIGH	T1	T2	T3	T4	T7-T5	T8-T6	T9	Δ

responsible dep.
DI MC LVM

technical reference

created by

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Project

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document type
Wiring Diagram

title
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document number

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