

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 [lb-ft]	T _A /T _N LRT [%]	T _k /T _N BDT [%]
						4/4	3/4	1/2	0	4/4		3/4	2/4	4/4	3/4	2/4				
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	$\Delta \Delta$	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	

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-ft ²		Color, paint shade	Standard Paint - RAL7030					
Ext Load Inertia Capability:	122.0 Lb ft ²		Coating (paint finish)	Standard Alkyed + Epoxy (C2)					
Bearings									
Bearing DE NDE	6310 Z C3 S0		6210 ZZ C3 S0	Ventilation Type					
Bearing_Type	Ball Bearing		Ball Bearing	Method of cooling	TEFC				
AFBMA:	50BC03JP30		50BC02JPP30	Direction of rotation	Bidirectional				
Grease									
Capacity	2.60 oz		2.30 oz	Fan Material	Polypropylen ESD				
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_r/I_N = locked rotor current / current nominal
 M_r/M_N = locked rotor torque / torque nominal
 M_d/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	<i>Technical data are subject to change! There may be discrepancies between software and hardware versions.</i>
-------------------------------	---------------------	-------------------------------	-------------	---

	document type datasheet	document status released	customer	
	title 1LE2221-2CB11-6AA3-Z B09+F36	document number	rev. 01	creation date 2021-04-22 07:39
© Siemens AG 2021				Page 1/2

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


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

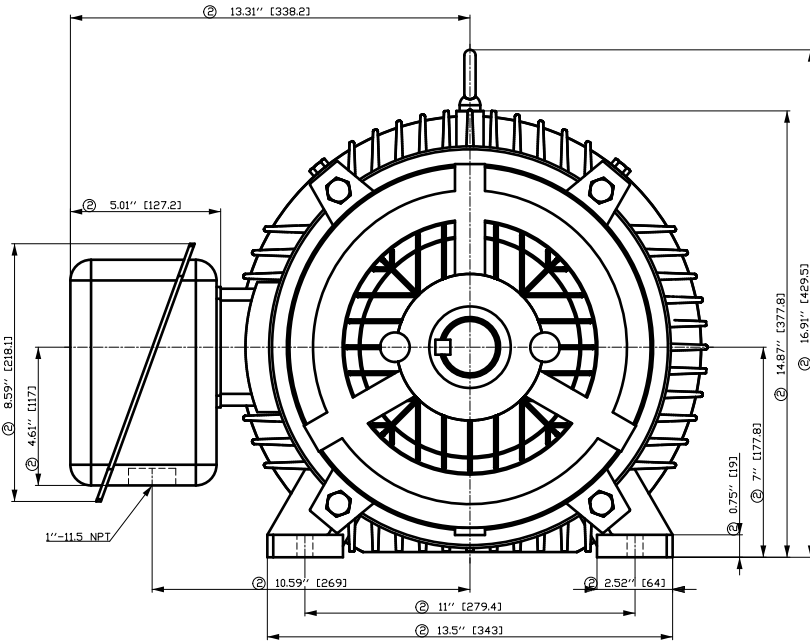
Special design

B09 Export packing sea freight - Siemens standard F36 Electrical duplicate - (routine test)

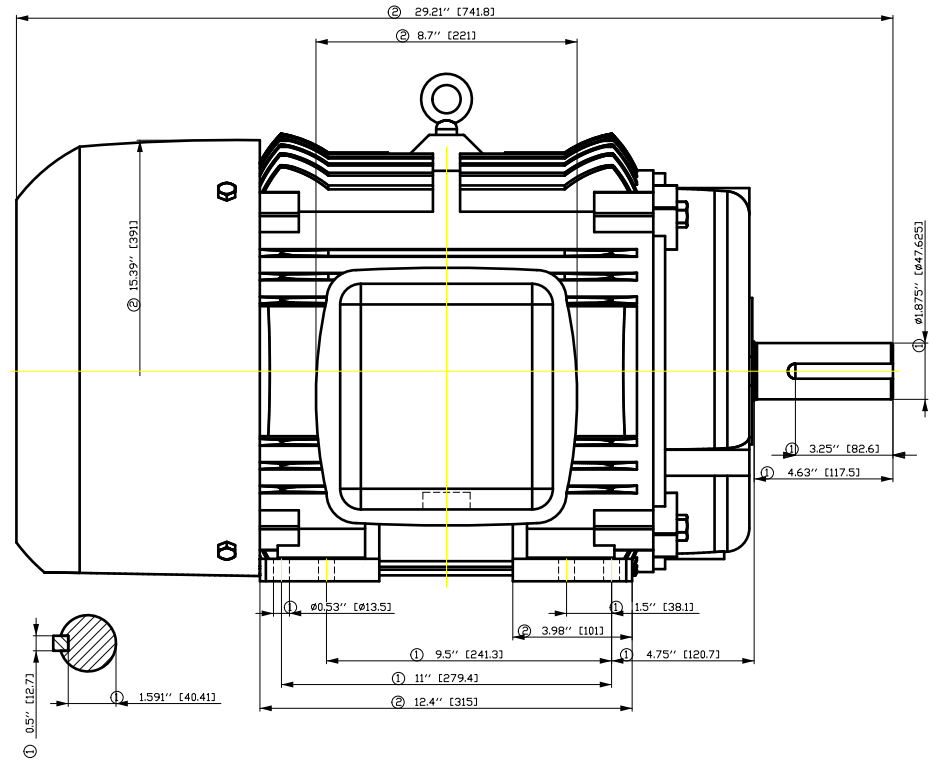
Notes:

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

	document type datasheet	document status released	customer			
	title 1LE2221-2CB11-6AA3-Z B09+F36	document number	rev. 01	creation date 2021-04-22 07:39	language en	Page 2/2
© Siemens AG 2021						



- 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.

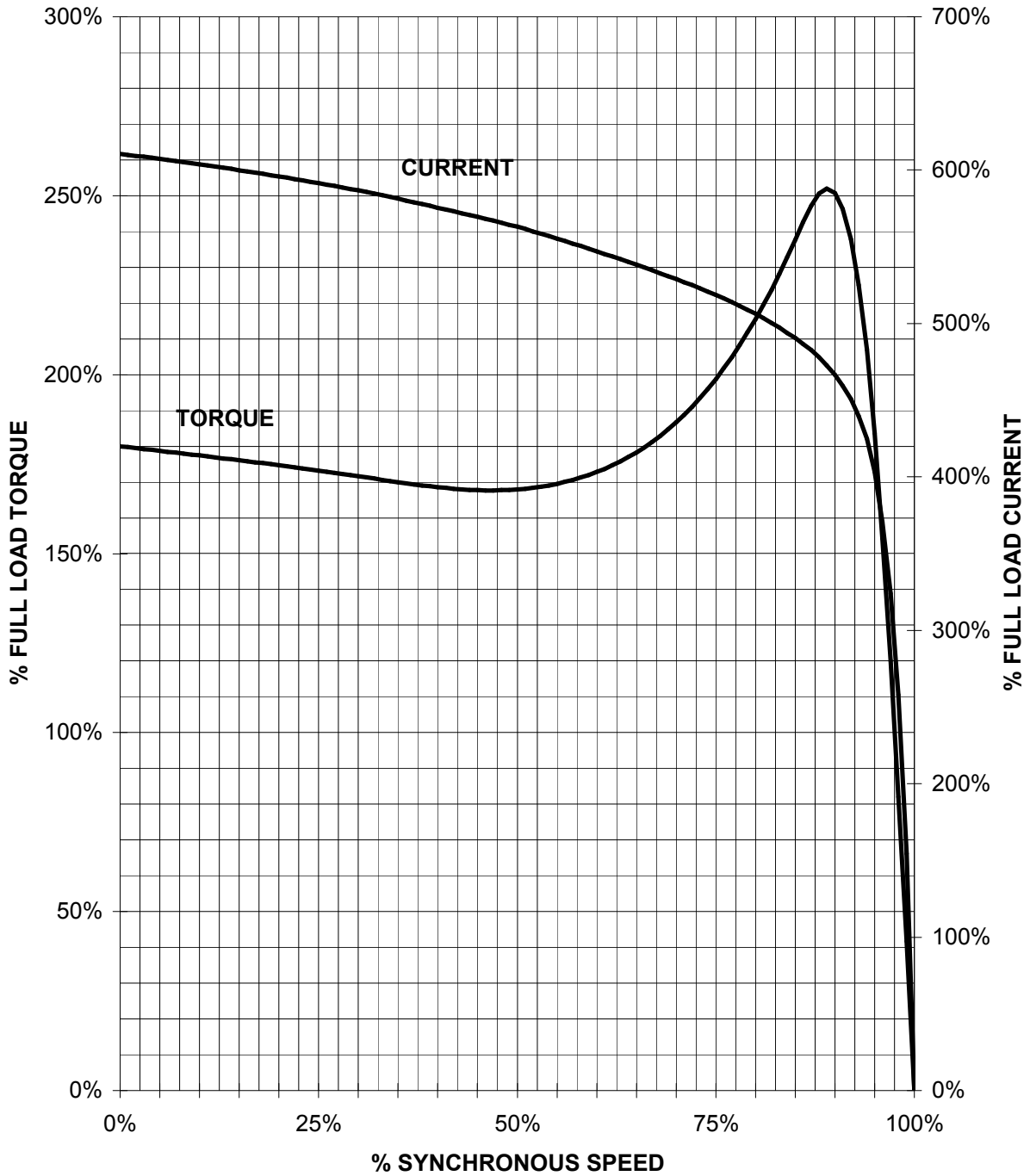


Tolerance	Surface	Material	Weight	Scale
F50GGFEE0FFB CEHEZ OeEZH	Author Creator Approval Department Change Order	ÖS T a : ^ & @ } *	E	{ {
SIEMENS	Doc. State	Item No	Doc Type	Paper Size
	Revision	Index	Doc No	1st Language
	Project No	E	Ref No	2nd Language
	© Siemens AG	2018	Sheet	F of F

SIEMENS INDUSTRY, INC.

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

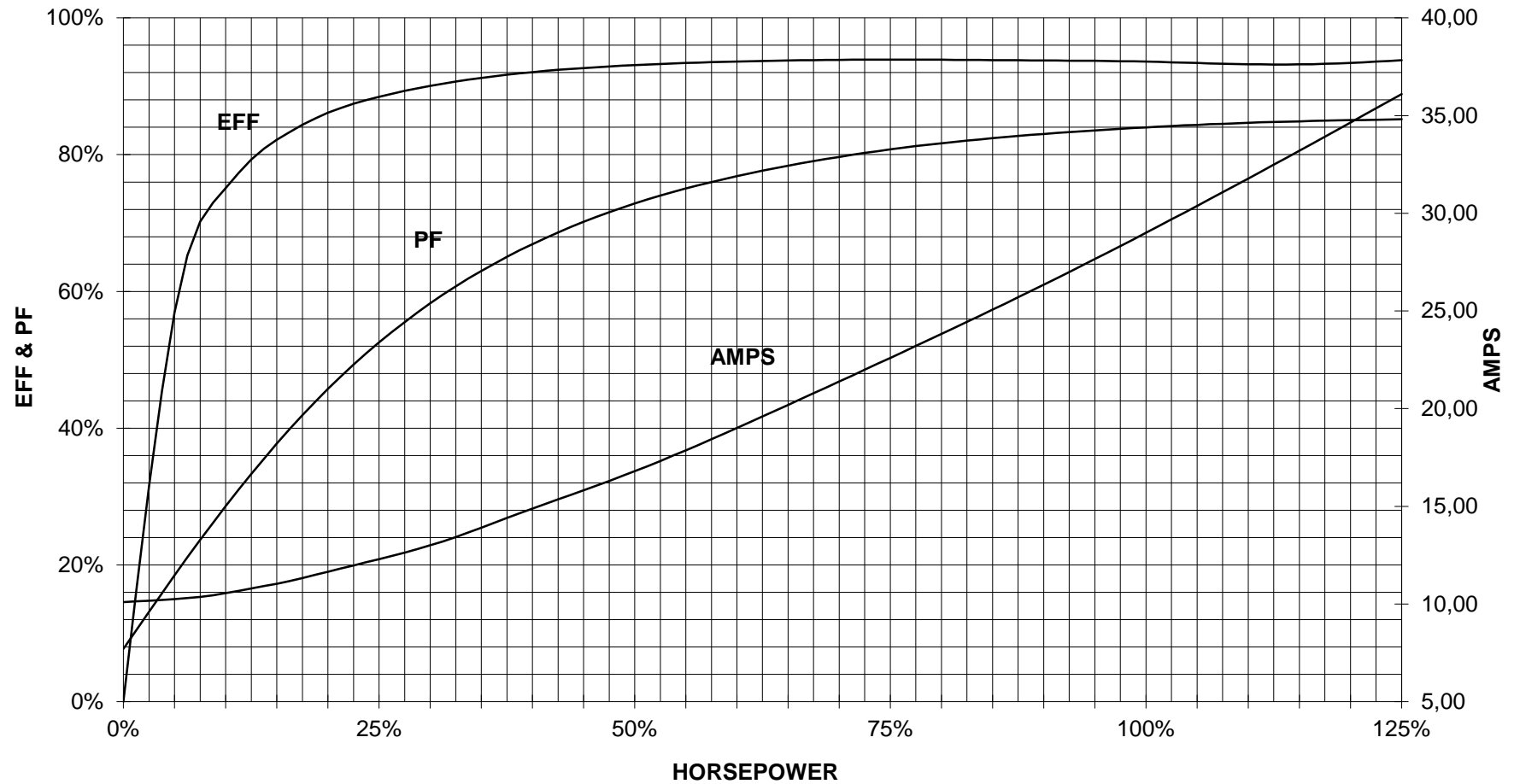
TORQUE & CURRENT VS. SPEED



CUSTOMER: _____ ORDER#: _____

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

SIEMENS INDUSTRY, INC.
PERFORMANCE CURVE
GP100

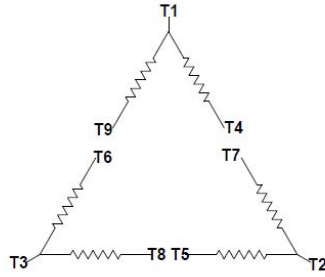


CUSTOMER: _____ ORDER #: _____

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

responsible dep.
DI MC LVM

technical reference

created by

approved by

Project

SIEMENS

document type
Wiring Diagram

title
1LE2221-2CB11-6AA3-Z
B09+F36

document status
free

document number

customer