

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

Motor type: **GP100** FS: **447TS - 2p - 200 hp -**

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

Electrical data

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					
575	Δ	60	200.00	150.00	3,600	172.80	130.60	94.70	35.20	1160.0	95.4	95.6	95.3	91.0	90.0	83.0	294.0	120	200	
Frame Type: 447TS		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: 1,916						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	83.0 dB(A) / 94.0 dB(A)							Thickener	Polyurea
Octave Band Center Frequencies Hertz								Safe Stall Time Hot	16 s
	250	500	1000	2000	4000	8000	Hz	Safe Stall Time Cold	20 s
SPL@3	69.0	74.0	78.0	79.0	72.0	63.0	dB(A)	Frame material	cast iron
Moment of inertia	31.3 Lb-ft ²							Color, paint shade	Standard Paint - RAL7030
Ext Load Inertia Capability:	172.0 Lb ft ²							Coating (paint finish)	Standard Alkyed + Epoxy (C2)
Bearings								Ventilation Type	
Bearing DE NDE	6316 Z C3 S0			6216 ZZ C3 S0			Method of cooling	TEFC	
Bearing_Type	Ball Bearing			Ball Bearing			Direction of rotation	Bidirectional	
AFBMA:	80BC03JP30			80BC02JPP30			Fan Material	Polypropylen ESD	
Grease								VFD	CT: 4:1 VT: 20:1
Capacity	7.5 oz			6 oz			Space heaters	without	
Grease Type:	Exxon Mobile EM							Brake:	without


Terminal box

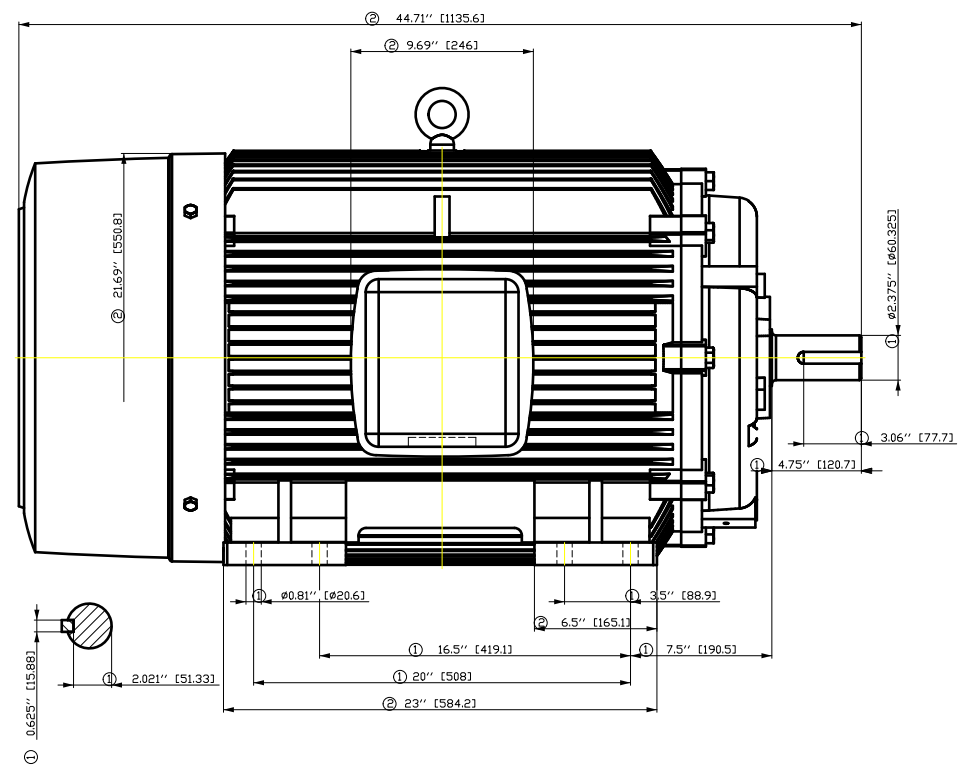
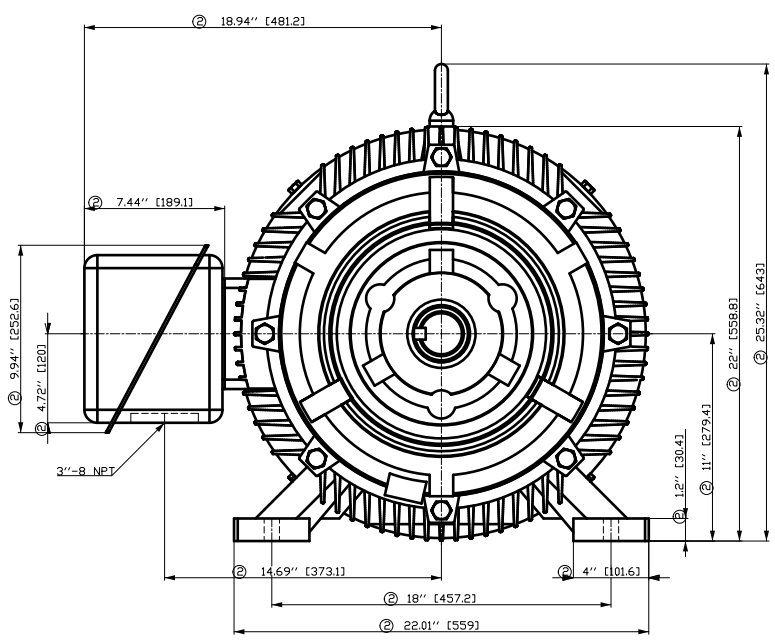
Lead Wire Connection					Terminal box position	(3) F-1, Standard Floor Mount, T. Box LHS	
Voltage	L1	L1	L1	Connected together	Material of terminal box	Cast Iron	
----	----	----	----	----	Cable entry	3" NPT	
----	T1	T2	T3	----			

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. 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 1LE2221-4DA31-3AA3	document number					
© Siemens AG 2022	rev. 01	creation date 2022-04-08 23:00	language en	Page 1/1			



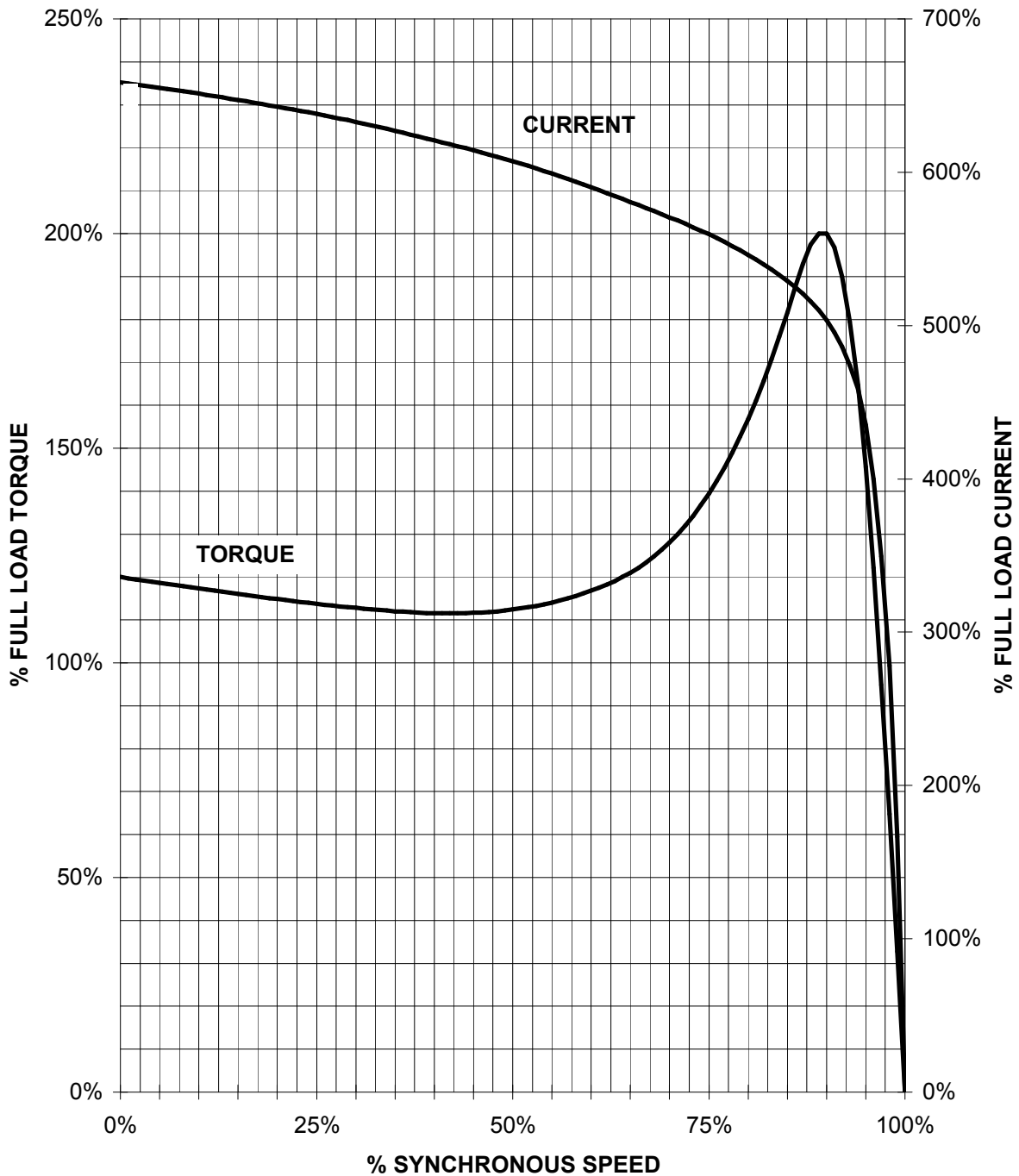
- ① Tolerances according to NEMA std.
- ② All these dimensions corresponding to assemblies and castings shall have a tolerance as per DIN standard 1686-GTB 19.
- ③ Not according to NEMA std.

Tolerance	Surface	Material	Weight	Scale
F50GGGF8 ÖCH-F80EH E	Author Creator Approval Department Change Order	ÖS T a : ^ @ ~ } *	E	{ {
SIEMENS © Siemens AG 2018	Doc. State	Item No	Doc Type	
	Revision	Index	Paper Size	CH
	Project No	RS	1st Language	^
	E	E	2nd Language	â^
		Ref No	E	Sheet F of F

SIEMENS INDUSTRY, INC.

HP 200 VOLTS < 600V RPM 3600 TYPE GP100
HZ 60 PHASE 3 FRAME 447TS NEMA B

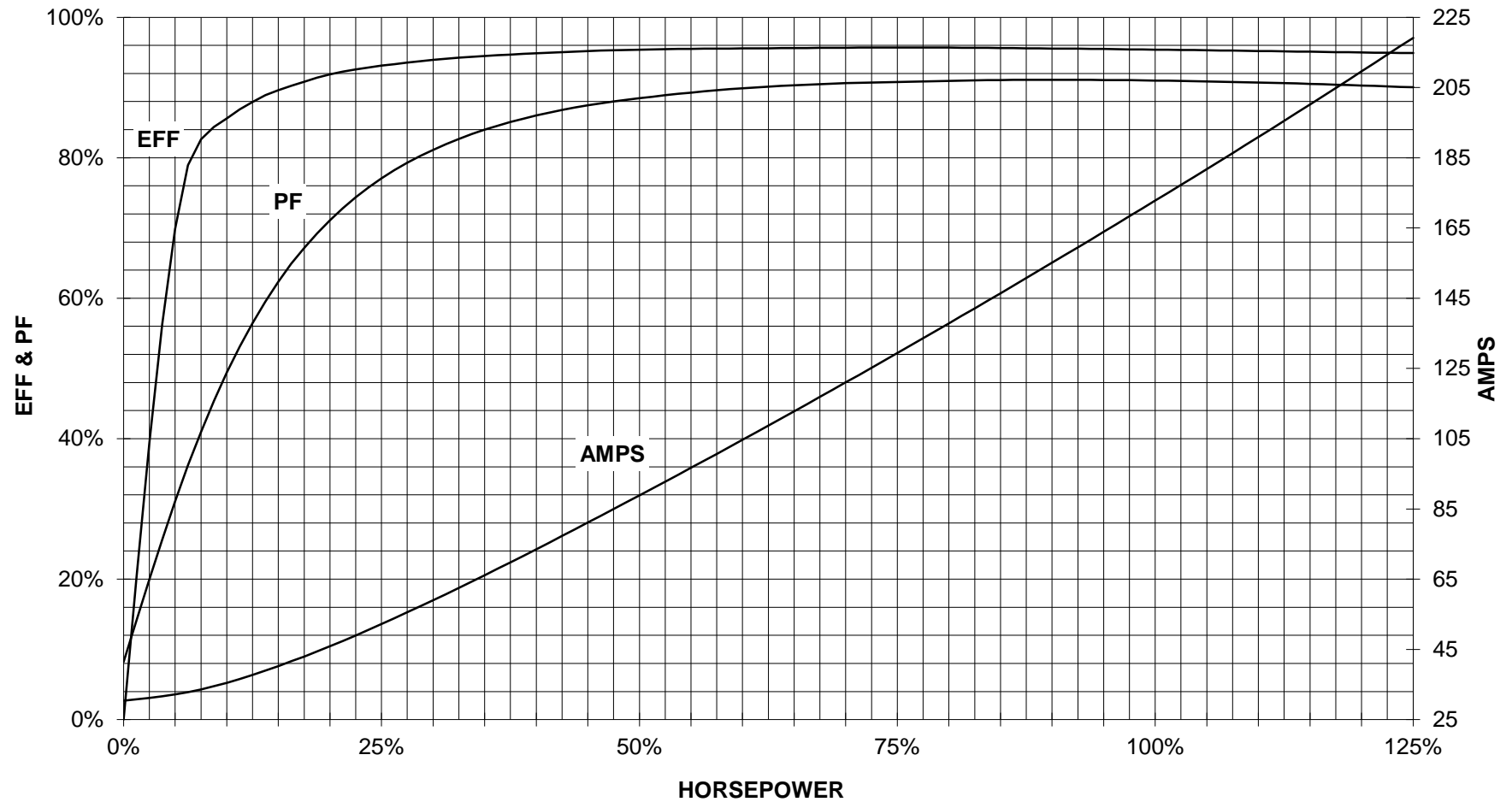
TORQUE & CURRENT VS. SPEED



CUSTOMER: _____ ORDER#: _____

200HP 3600 RPM 447TS FRAME 575 VOLTS 3 PHASE NEMA DESIGN B

SIEMENS INDUSTRY, INC.
PERFORMANCE CURVE
GP100

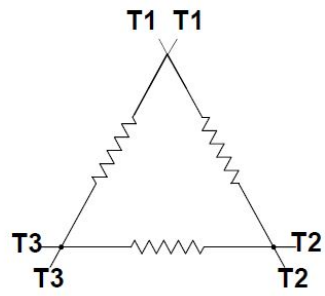


CUSTOMER _____ ORDER # _____ PO # _____

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

REV. 1

Main terminal diagram



6 LEAD DELTA			
LINES			CONN.
L1	L2	L3	
T1	T2	T3	Δ

responsible dep. DI MC LVM	technical reference	created by	approved by	Project
SIEMENS	document type Wiring Diagram	document status free		customer
	title 1LE2221-4DA31-3AA3	document number		
© Siemens AG 2019		rev. 01	creation date 12/03/2019	language en Page 1/1