

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

Motor type: **GP100** FS: **444TS - 2p - 125 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	4/4	3/4	2/4				
575	Δ	60	125.00	90.00	3,600	110.40	83.90	59.00	25.60	726.4	95.0	95.1	94.5	89.0	88.0	84.0	184.0	120	200	

without

Frame Type: 444TS	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: 1,381		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	79.0 dB(A) / 90.0 dB(A)	Thickener	Polyurea
Octave Band Center Frequencies Hertz		Safe Stall Time Hot	18 s
250	500	1000	2000
4000	8000	Hz	
SPL@3	68.0	72.0	74.0
	74.0	70.0	60.0
			dB(A)
Moment of inertia	20.9 Lb-ft ²	Safe Stall Time Cold	23 s
Ext Load Inertia Capability:	113.0 Lb ft ²	Frame material	cast iron
Bearings		Color, paint shade	Standard Paint - RAL7030
Bearing DE NDE	6316 Z C3 S0	6216 ZZ C3 S0	
Bearing_Type	Ball Bearing	Ball Bearing	
AFBMA:	80BC03JP30	80BC02JPP30	
Grease		Coating (paint finish)	Standard Alkyed + Epoxy (C2)
Capacity	7.5 oz	6 oz	
Grease Type:	Exxon Mobile EM		
		Ventilation Type	
		Method of cooling	TEFC
		Direction of rotation	Bidirectional
		Fan Material	Polypropylen ESD
		VFD	CT: 4:1 VT: 20:1
		Space heaters	without
		Brake:	without

Terminal box


Lead Wire Connection	Terminal box position	(3) F-1, Standard Floor Mount, T. Box LHS
Voltage	L1	L1
	L1	L1
	L1	L1
	Connected together	
	T1	T2
	T2	T3
	T3	

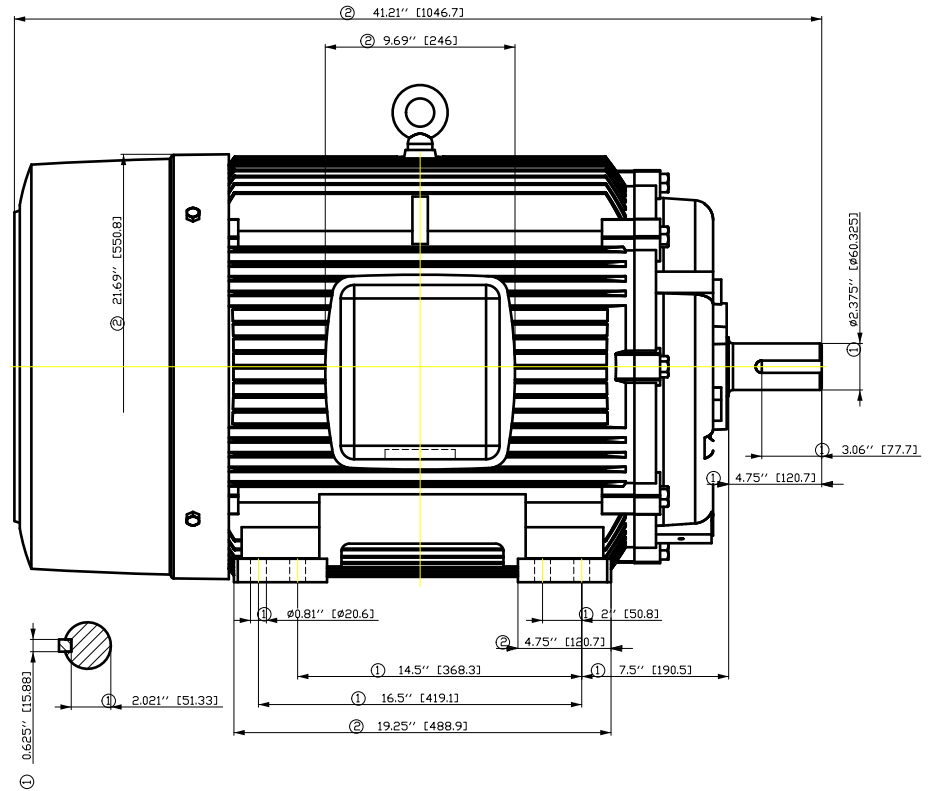
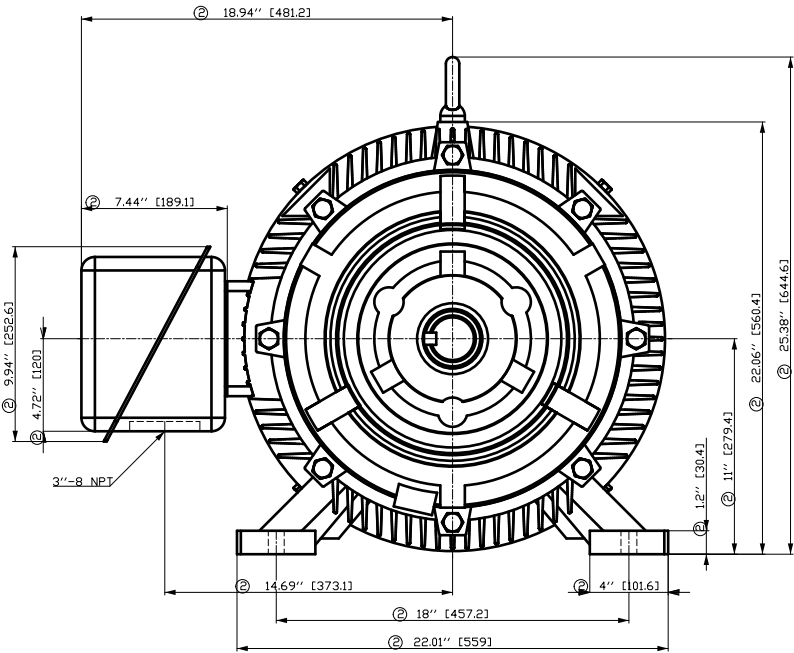
Material of terminal box	Cast Iron
Cable entry	3" NPT

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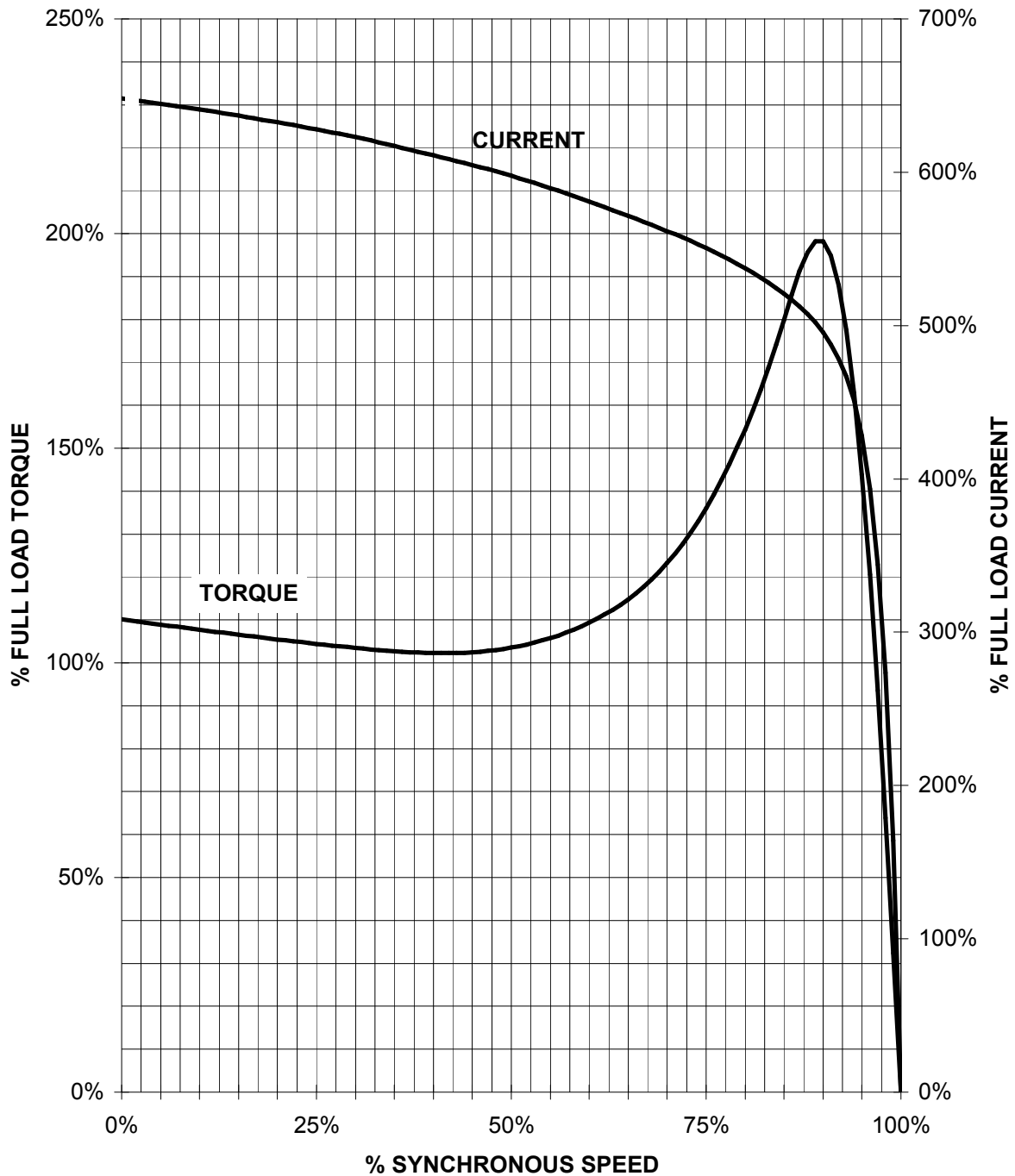
- ① Tolerances according to NEMA std.
- ② All these dimensions corresponding to assemblies and castings shall have a tolerance as per DIN standard 1686-GTB 19.
- ③ Not according to NEMA std.

Tolerance	Surface	Material	Weight	Scale
F50GGGF8 ÖÖFF8H00H	Author	ÖV	Ä	{ }
Ä	Creator	ÖVS	Ä	{ }
	Approval	T ä : Ä@ }		
	Department			
	Change Order	MFB	Doc Type	/
SIEMENS	Doc. State	I 88G	Item No	Paper Size CH
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SIEMENS INDUSTRY, INC.

HP 125 VOLTS < 600V RPM 3600 TYPE GP100
HZ 60 PHASE 3 FRAME 444TS NEMA B

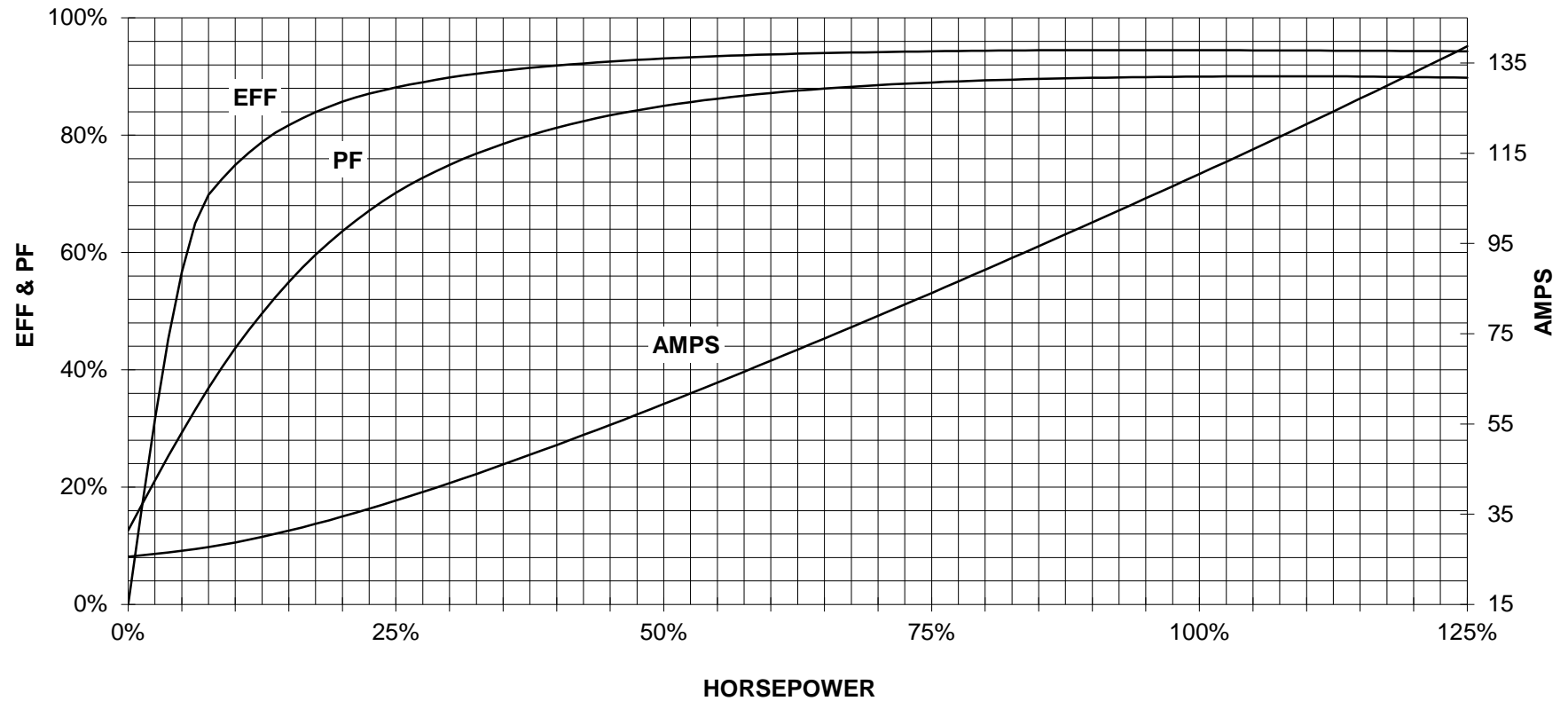
TORQUE & CURRENT VS. SPEED



CUSTOMER: _____ ORDER#: _____

125 HP 3600 RPM 444TS FRAME 575 VOLTS 3 PHASE NEMA DESIGN B

SIEMENS INDUSTRY, INC.
PERFORMANCE CURVE
GP100

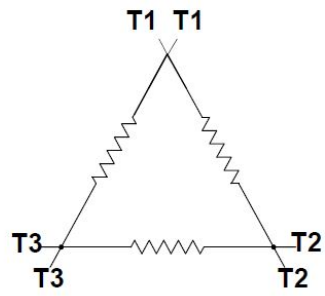


CUSTOMER _____ ORDER # _____ PO # _____


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	
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