

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

Motor type: **GP100** FS: **324T - 6p - 25 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				
460	Δ	60	25.00	18.50	1,200	33.00	26.20	20.40	14.00	183.0	93.0	93.2	92.7	76.0	72.0	62.0	111.0	170	241	
230	$\Delta\Delta$	60	25.00	18.50	1,200	66.00	52.33	40.73	28.00	366.0	93.0	93.2	92.7	76.0	72.0	62.0	111.0	170	241	
400	Δ	50	20.00		989	32.84	27.58	20.82	18.30	189.7	91.2	91.2	89.9	70.8	63.2	50.4	106.3	226	288	
200	$\Delta\Delta$	50	20.00		989	65.68	55.16	41.64	36.60	379.5	91.2	91.2	89.9	70.8	63.2	50.4	106.3	226	288	

without

Frame Type: 324T	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: 633		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	63.0 dB(A) / 76.0 dB(A)							Thickener	Polyurea
Octave Band Center Frequencies Hertz								Safe Stall Time Hot	28 s
	250	500	1000	2000	4000	8000	Hz	Safe Stall Time Cold	54 s
SPL@3	51.0	57.0	58.0	56.0	51.0	50.0	dB(A)	Frame material	cast iron
Moment of inertia	9.4 Lb-ft ²							Color, paint shade	Standard Paint - RAL7030
Ext Load Inertia Capability:	324.0 Lb ft ²							Coating (paint finish)	Standard Alkyed + Epoxy (C2)
Bearings								Ventilation Type	
Bearing DE NDE	6312 Z C3 S0			6210 ZZ C3 S0				Method of cooling	TEFC
Bearing_Type	Ball Bearing			Ball Bearing				Direction of rotation	Bidirectional
AFBMA:	60BC03JP30			50BC02JPP30				Fan Material	Polypropylen ESD
Grease								VFD	CT: 4:1 VT: 20:1
Capacity	5.5 oz			2.3 oz				Space heaters	without
Grease Type:	Exxon Mobile EM							Brake:	without


Terminal box

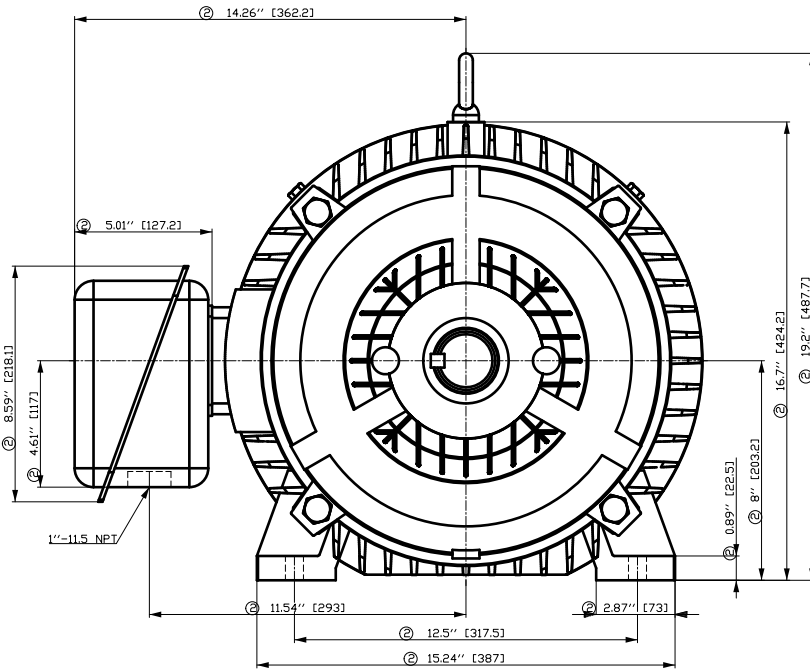
Lead Wire Connection	9 LEAD - DELTA				Terminal box position	(3) F-1, Standard Floor Mount, T. Box LHS
Voltage	L1	L1	L1	Connected together	Material of terminal box	Stamped Steel
LOW	T1 T7 T6	T2 T8 T4	T3 T9 T5	---	Cable entry	2" NPT
HIGH	T1	T2	T3	T4 T7-T5 T8-T6 T9		

Notes:

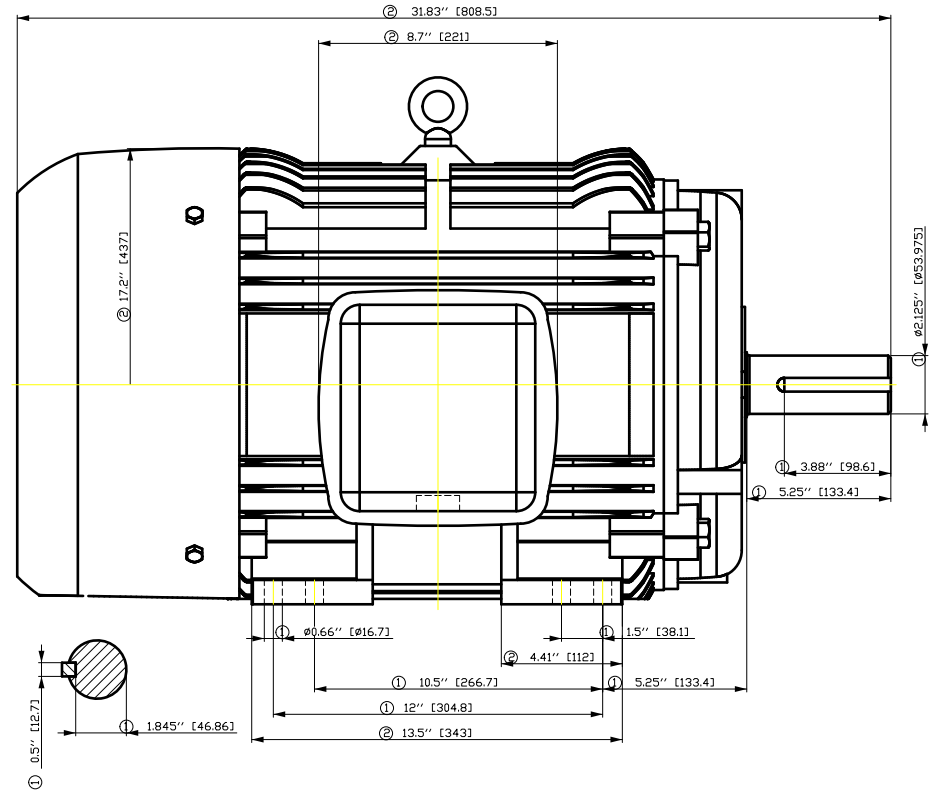
I_L/I_N = locked rotor current / current nominal
M_L/M_N = locked rotor torque / torque nominal
M_d/M_N = break down torque / nominal torque

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>	
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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.

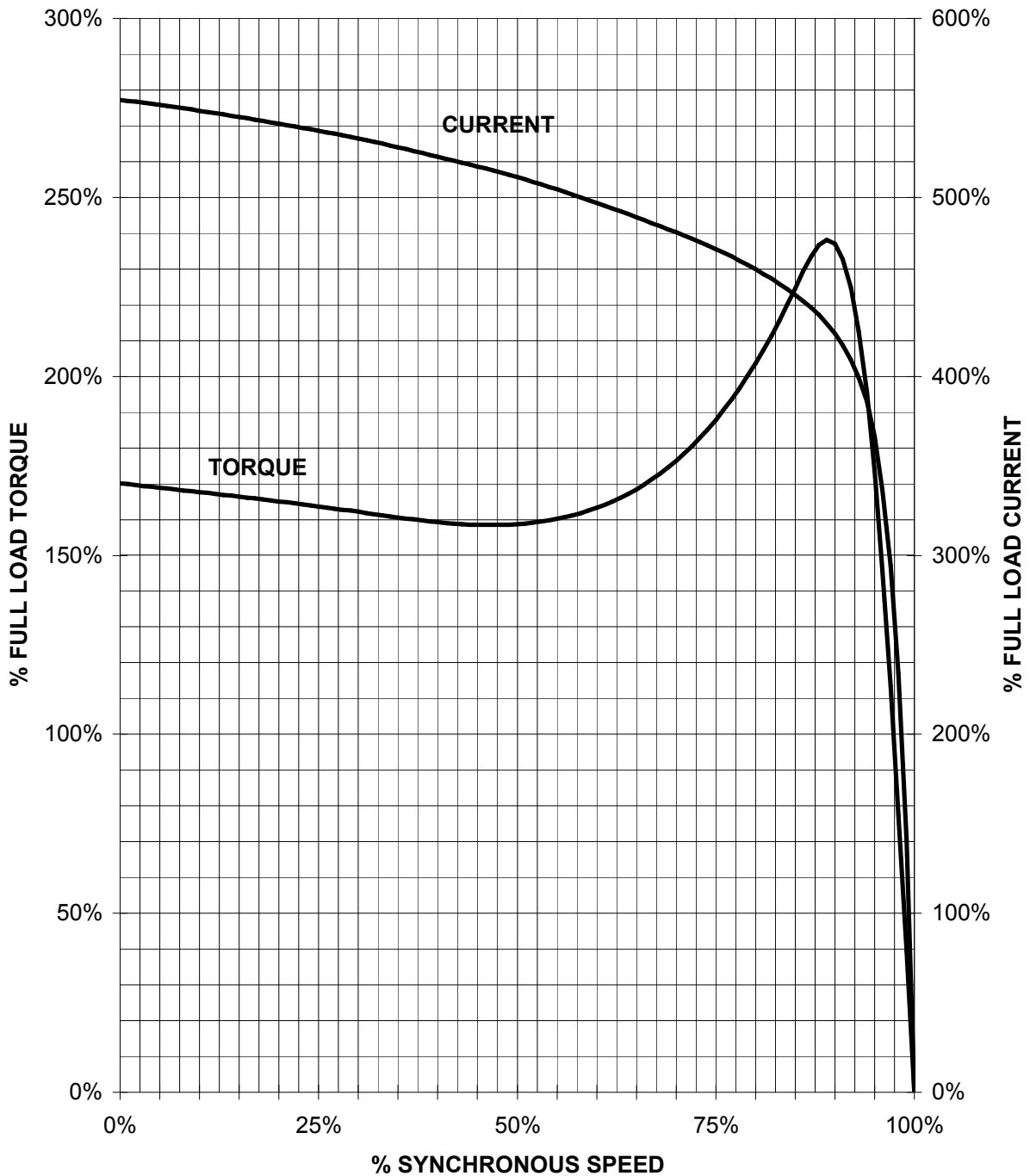


Tolerance	Surface	Material	Weight	Scale
F50GGGF-00FF00EH	Author	ÖV	E	{ }
E	Creator	ÖVS		
	Approval	T a : ^ @ } *		
	Department			
	Change Order	MFB		Doc Type
	Doc State	I 00GG		Paper Size CH
	Revision	Index RS		1st Language ^
				2nd Language a^
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HP 25 VOLTS < 600V RPM 1200 TYPE GP100
HZ 60 PHASE 3 FRAME 324T NEMA B

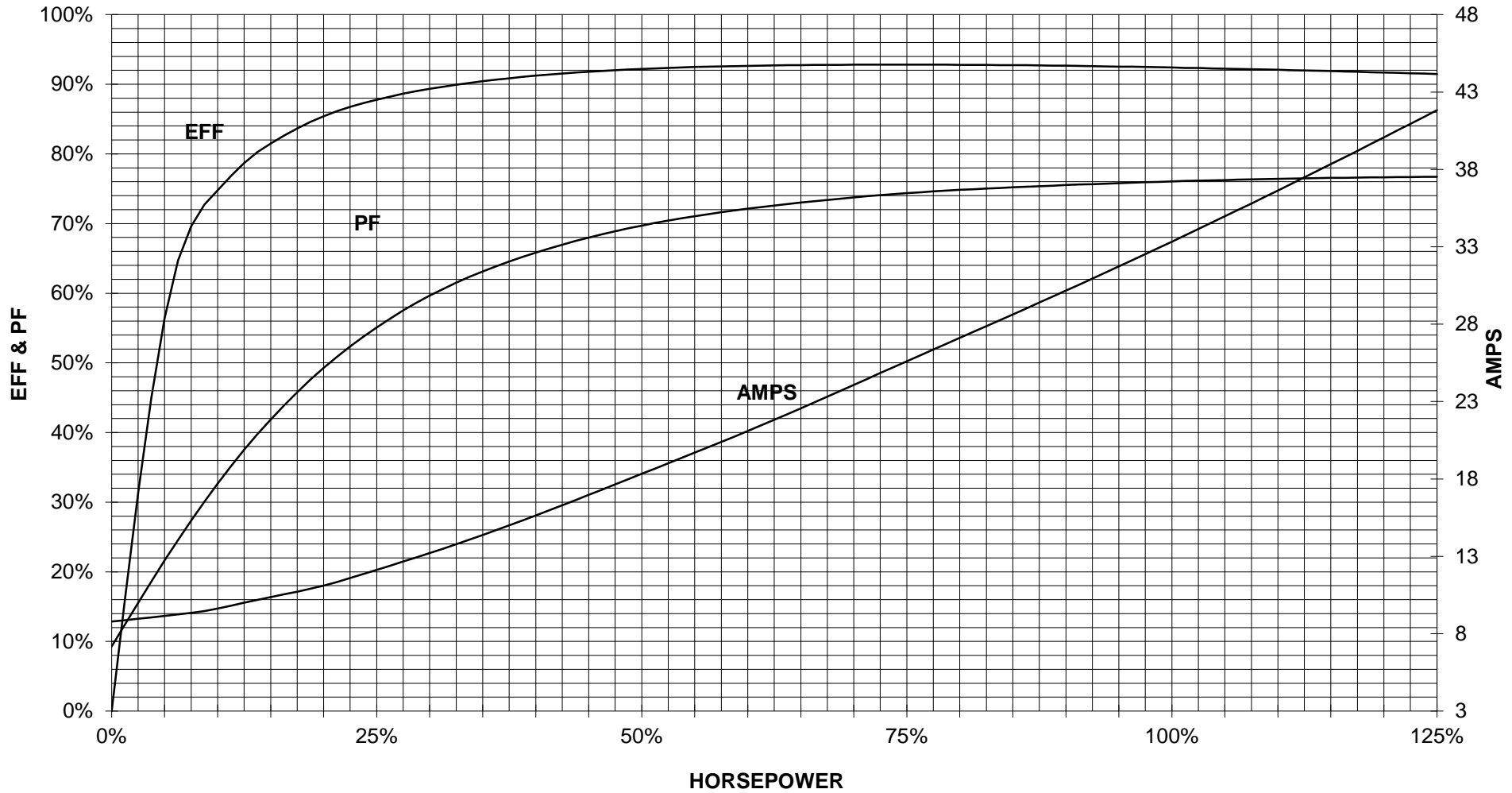
TORQUE & CURRENT VS. SPEED



CUSTOMER: _____ ORDER#: _____

25 HP 1200 RPM 324T FRAME 460 VOLTS 3 PHASE NEMA DESIGN B

SIEMENS INDUSTRY, INC.
PERFORMANCE CURVE
GP100

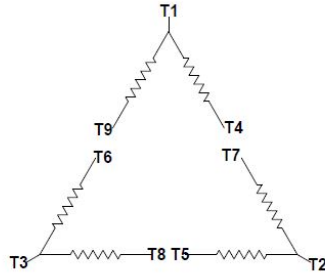


CUSTOMER _____ ORDER # _____ PO # _____

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

REV. 1

Main terminal diagram



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
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