

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

Motor type: **GP100** FS: **365T - 6p - 50 hp -**

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

## Electrical data

U [V]	$\Delta/Y$	f [Hz]	P [HP]	P [kW]	n [rpm]	I Load [Amps]					LRC	Nom. Eff Load [%]			Pwr. Factor Load [%]			Torque [lb-ft]	T <sub>A</sub> /T <sub>N</sub> LRT [%]	T <sub>k</sub> /T <sub>N</sub> BDT [%]
						4/4	3/4	1/2	0	4/4		3/4	2/4	4/4	3/4	2/4				
575	$\Delta$	60	50.00	37.00	1,200	49.60	39.20	29.70	19.20	290.4	94.1	94.3	94.0	80.0	76.0	67.0	222.0	190	220	
Frame Type: 365T		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: 863						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	60.0 dB(A) / 71.0 dB(A)		Thickener	Polyurea					
Octave Band Center Frequencies Hertz			Safe Stall Time Hot	29 s					
	250	500	1000	2000	4000	8000	Hz	Safe Stall Time Cold	55 s
SPL@3	48.0	53.0	54.0	53.0	52.0	50.0	dB(A)	Frame material	cast iron
Moment of inertia	16.2 Lb-ft <sup>2</sup>		Color, paint shade	Standard Paint - RAL7030					
Ext Load Inertia Capability:	620.0 Lb ft <sup>2</sup>		Coating (paint finish)	Standard Alkyed + Epoxy (C2)					
<b>Bearings</b>			<b>Ventilation Type</b>						
Bearing DE   NDE	6314 Z C3 S0		6214 ZZ C3 S0						
Bearing_Type	Ball Bearing		Ball Bearing						
AFBMA:	70BC03JP30		70BC02JPP30						
<b>Grease</b>			Method of cooling						
Capacity	7.5 oz		6.7 oz						
Grease Type:	Exxon Mobile EM		VFD						
			Space heaters						
			Brake:						


## Terminal box

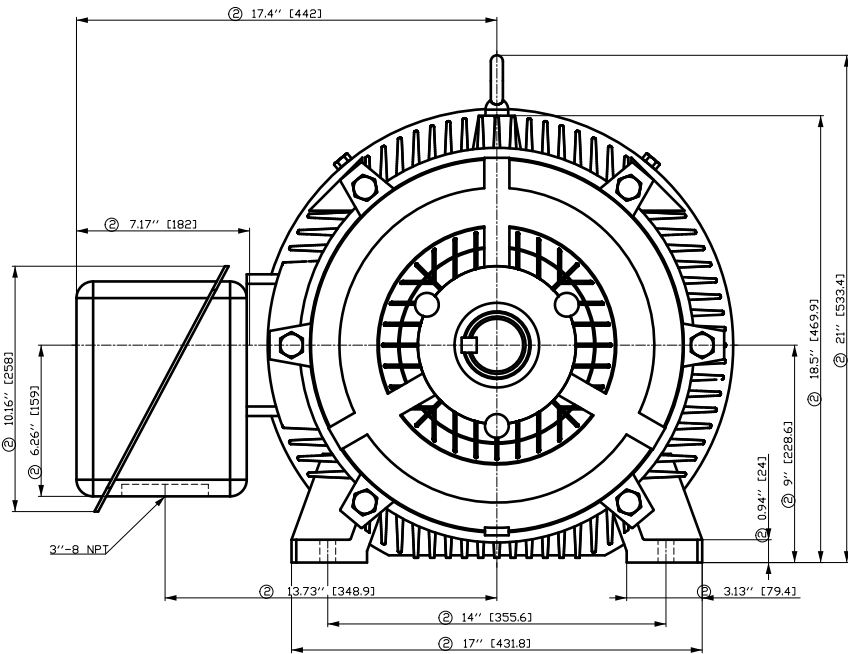
Lead Wire Connection		3 LEAD - DELTA			Terminal box position	(3) F-1, Standard Floor Mount, T. Box LHS
Voltage	L1	L1	L1	Connected together	Material of terminal box	Stamped Steel
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----	T1	T2	T3	----		

### Notes:

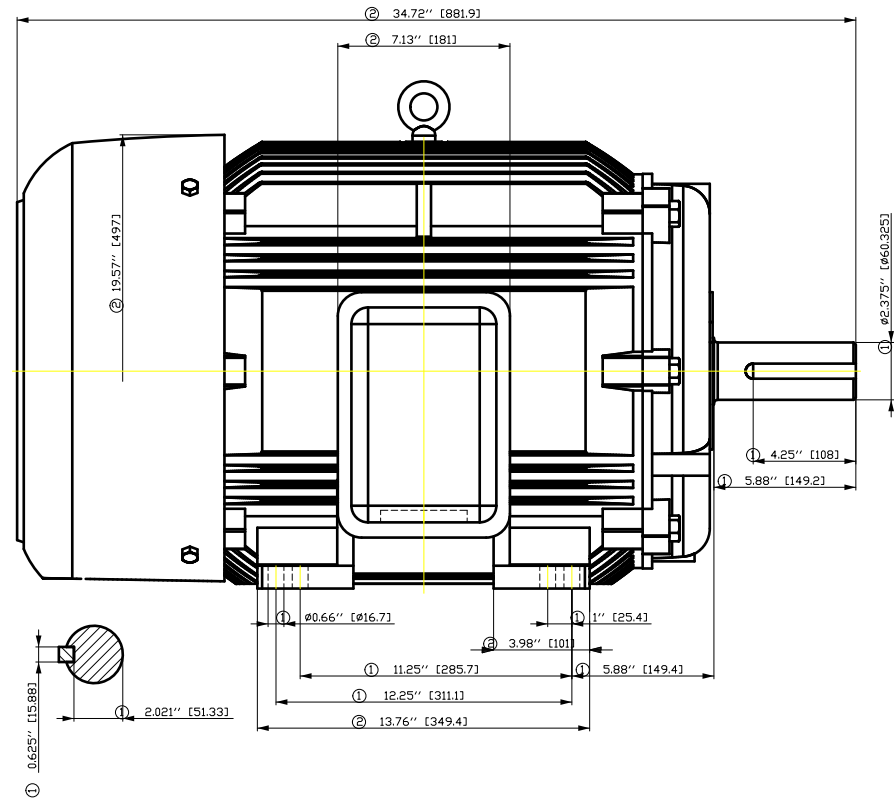
I<sub>L</sub>/I<sub>N</sub> = locked rotor current / current nominal  
M<sub>L</sub>/M<sub>N</sub> = locked rotor torque / torque nominal  
M<sub>d</sub>/M<sub>N</sub> = break down torque / nominal torque

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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	title 1LE2221-3CC21-3AA3	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.

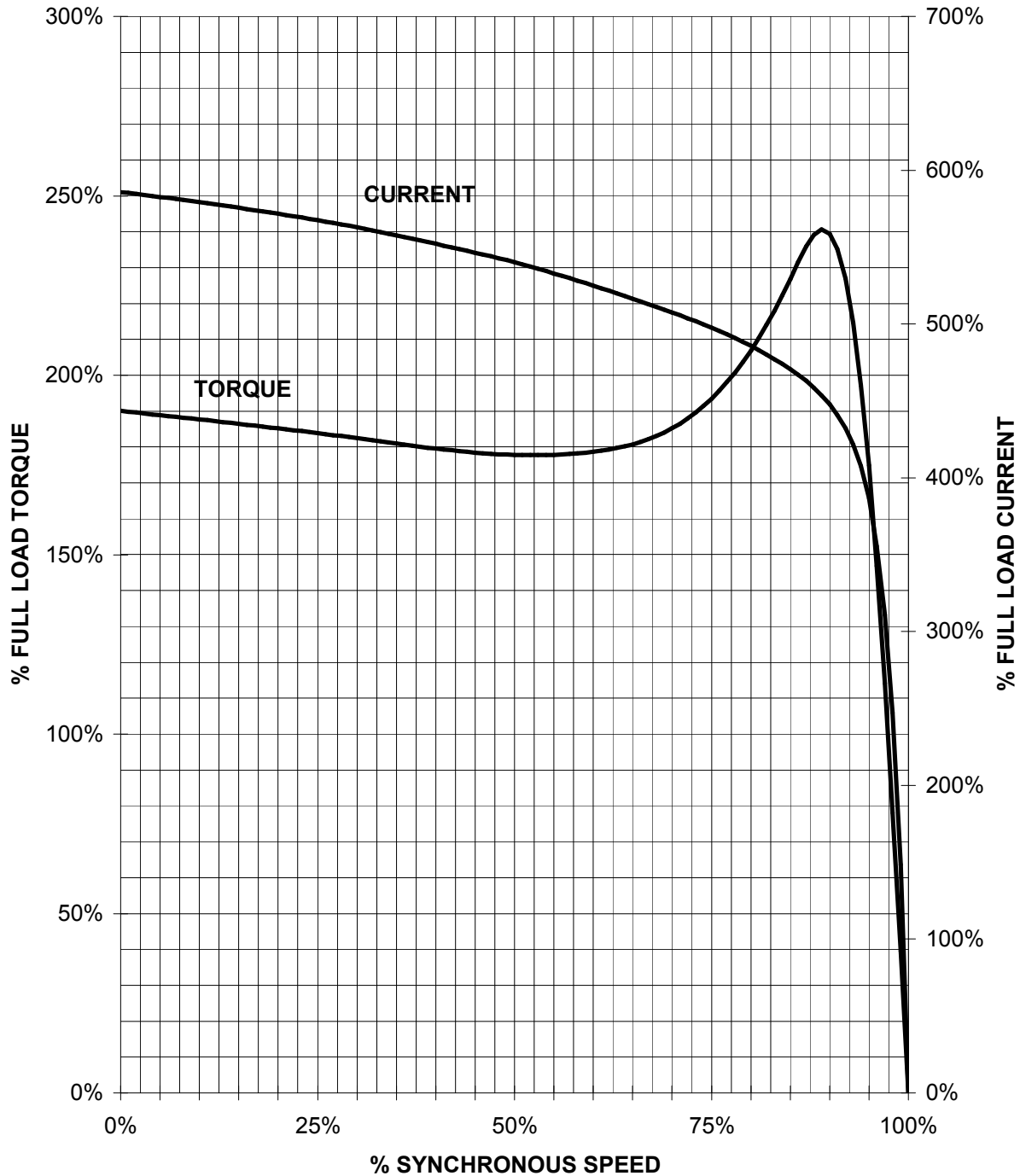


Tolerance	Surface	Material	Weight	Scale
F50CGE#H0G#E#E	Author	ÖS	E	{ }
E	Creator	T a : ^ & @ } *		
	Approval			
	Department			
	Change Order	MFB		
	Doc. State	I B E G		Paper Size CH
<b>SIEMENS</b>	Revision	Index RS		1st Language ^
© Siemens AG 2018	Project No	E		2nd Language a^
				Sheet F of F

# SIEMENS INDUSTRY, INC.

HP 50    VOLTS < 600V    RPM 1200    TYPE GP100  
HZ 60    PHASE 3    FRAME 365T    NEMA B

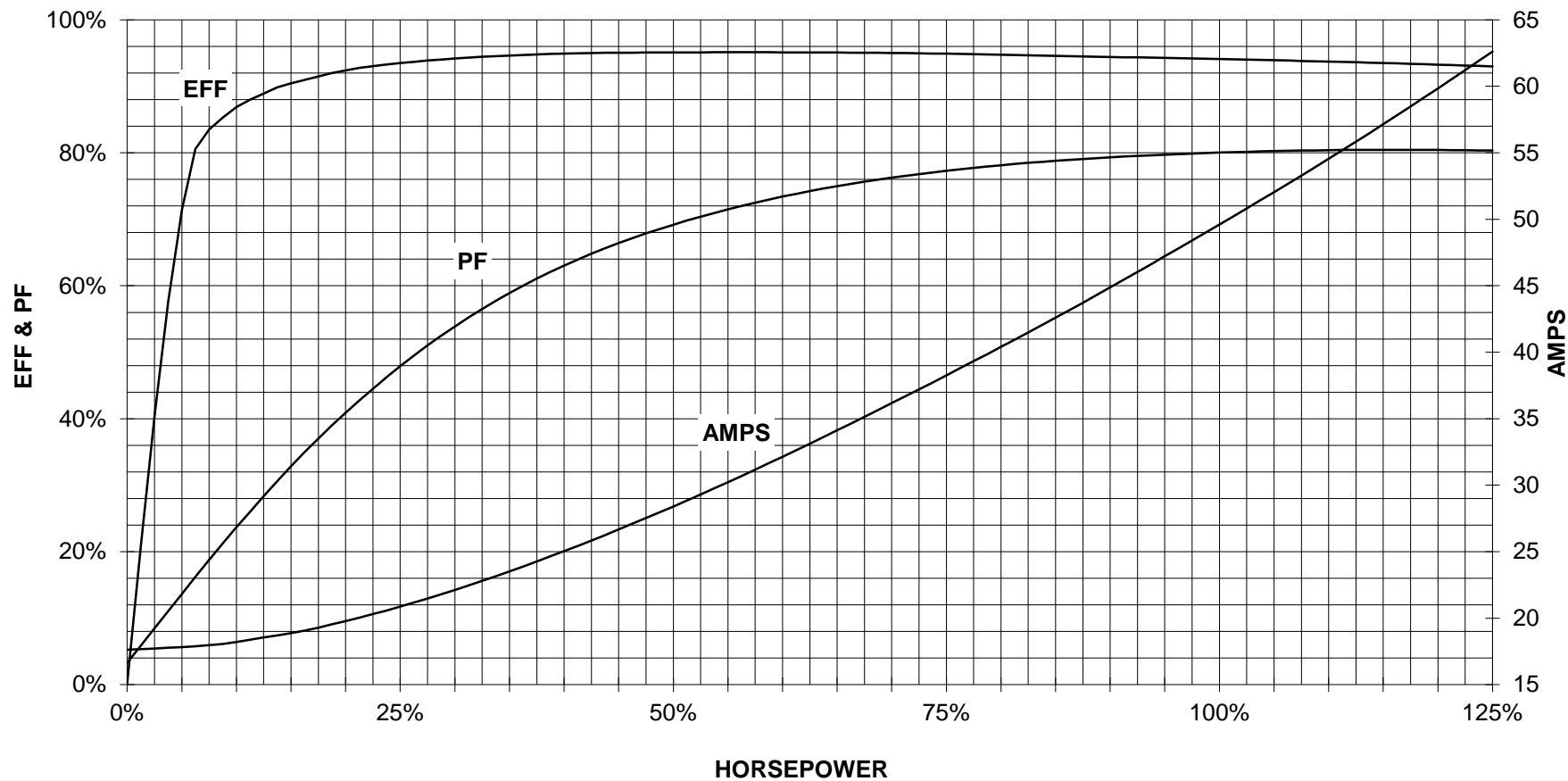
## TORQUE & CURRENT VS. SPEED



CUSTOMER: \_\_\_\_\_ ORDER#: \_\_\_\_\_

50 HP 1200 RPM 365T 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



3 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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