



NEMA Motor Data

MLFB-Ordering data : 1LE2221-2AD11-4AA3

Client order no. :
 Order no. :
 Offer no. :
 Remarks :

Item no. :
 Consignment no. :
 Project :

Nameplate Data	Mounting and motor protection
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Type: GP100 - NEMA Premium Efficiency

HP	2.0	Rating	Cont.
Voltage	(14) 230/460V, 60Hz (Suitable for 208V)	Ins. Class	Class F (Standard)
Amps	6.6 / 3.3 A	S.F.	1.15
FL RPM	870	Amb. Temp.	+40C TO -20C
FL Efficiency	84.0 %	Temp. Rise	Class B
FRAME	213T	kVA Code	H
DE AFBMA	40BC02JPP30	NEMA Des	B
ODE AFBMA	40BC02JPP30	Mtr WT	126
60 Hertz	3 Ph TEFC	IP	55

Type of construction (A) Foot mounted - End shield
 Motor protection (A) Without Protection
 Terminal box design (3) F-1, Standard Floor Mount, T. Box

Bearing Data		
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	DE	ODE
Bearing Size	6208 ZZ C3 S0	6208 ZZ C3 S0
Bearing Type	Ball Bearing	Ball Bearing
AFBMA	40BC02JPP30	40BC02JPP30

Typical Performance Data					
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Load	No Load	1/2	3/4	Full Load	LRC
Efficiency		84.0 %	84.5 %	84.0 %	
Power Factor		51.0	63.0	67.0	
Current (A)	2.0 A	2.2 A	2.6 A	6.6 / 3.3 A	16.0 A
Inverter Duty	VT	20:1	CT	4:1	

Mechanical Data				
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SAFE STALL TIME	HOT (s)	22	COLD (s)	38	
Rtr wt (lbs)	3.53	Rtr WK2	0.48		
FLT (lb-ft)	12.0	LRT (%)	167	BDT (%)	292
Ext Load Inertia (WK2) Capability	60.0 lb-ft ²				
Brake:	without				

Typical Noise Data									
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A-weighted Sound	Octave Band Center Frequencies Hertz (Hz)									
Pressure Level	125	250	500	1000	2000	4000	8000	SPL	64	
at 3 feet	41	42	52	64	54	47	34	SPwrL	73	

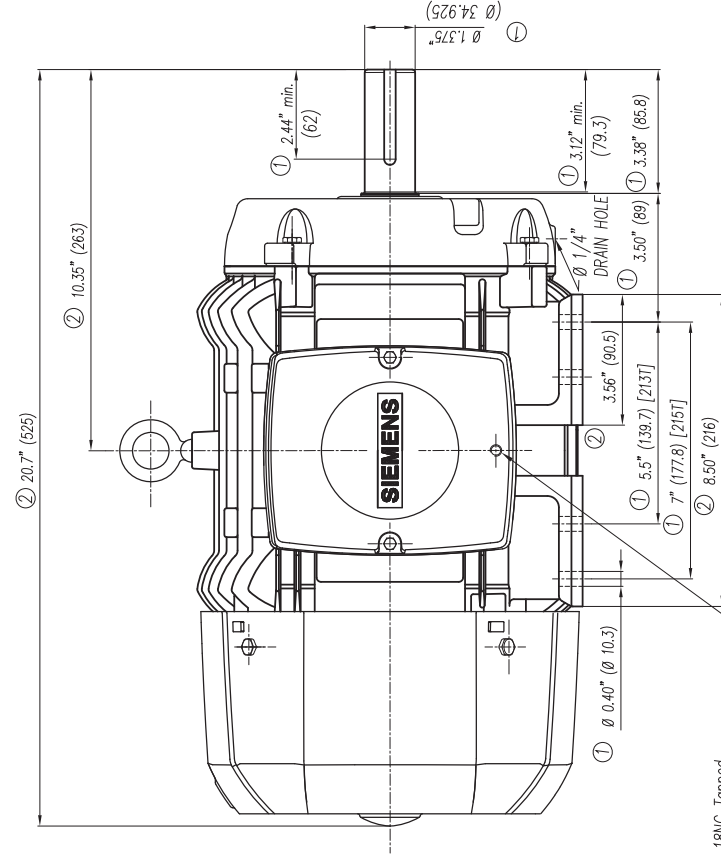
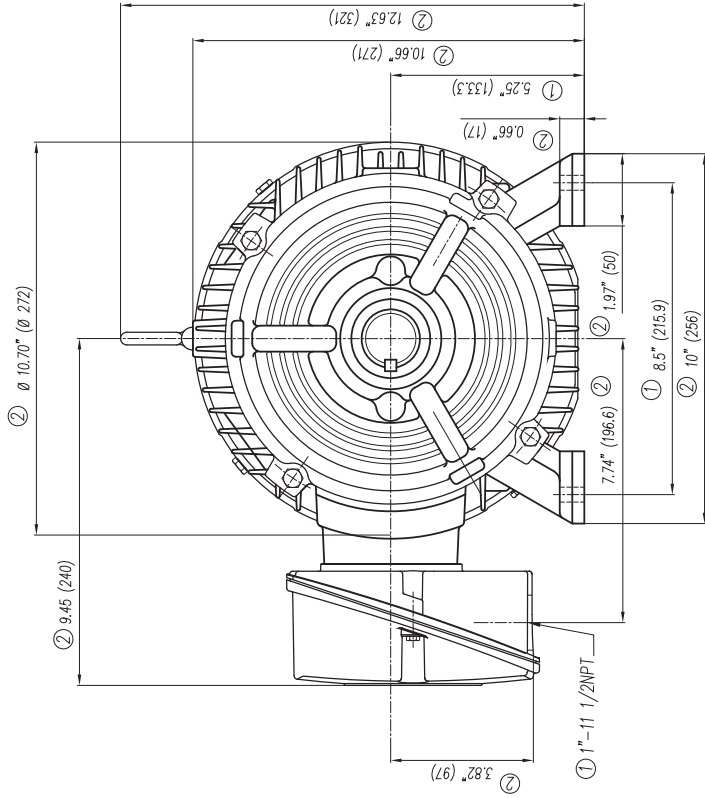
Wiring Connection Information					
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Description	3 PHASE - 9 LEAD - WYE				
Voltage	L1	L2	L3	Connected together	
LOW	T1 T7	T2 T8	T3 T9	T4 T5 T6	
HIGH	T1	T2	T3	T4 T7-T5 T8-T6 T9	
				YY	
				Y	

Special design :

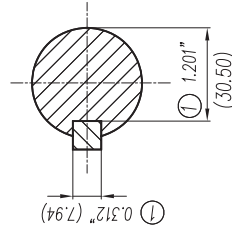
Lubrication Information	
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Manufacturer	Mobil Polyrex EM or equal
Type	Polyurea (standard)
DE Capacity (oz.)	0.30
ODEnd Capacity (oz.)	0.30



5/16" -18NC Tapped Hole for Grounding both sides of Frame

- ① Tolerancias 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.



Keyseat detail
Detalle Cúñero

CERTIFIED PRINT/CERTIFICACION			
CUSTOMER/CLIENTE			
PWA/OSHA COMPANY		SIA/ORDEN CLIENTE	
IP	RPW	FRANK/GR	TYPE/TPD
		VALS	PHAFS
			RE

Tol. in mm. acc. to/Tot. en mm. según DIN-1686-GTB-19	Over/desde To/Hasta	± 4.5
---	18	± 4.7
	30	± 5
	50	± 5.5
	80	± 6
	120	± 6.5
	180	± 7
	250	± 7.5
	315	± 8
	400	± 8.5
	500	± 9.5
	630	± 10

European Projection/Proyección Europea	Date/Fecha	Name/Nombre
---	03/03/08	Guymán
Dim. in inches/Dim. en pulg.	Drawn/Elab	Check/Rev.
---	---	---
	Std.Ckd./Aut	Type/ Tipo:
	---	GP100 213/215T Arm.

Scale/ Escala		SIEMENS	3MSE 222 0850a
Sin W/O			
Type/ Tipo:		Ref. Rep./ 3MSE 222 0850 Sd6	
Name/Nombre		GUADALAJARA FACTORY	

g) Se cambió formato a Inglés-Español y se especificó tipos en los que aplica este dibujo.
g) Changed the format to English-Spanish and was specified in what kind of motors apply this drawing.

Outline/Dimensiones
New NEMA Motors

Scale/ Escala
Sin W/O
- / -

SIEMENS
GUADALAJARA FACTORY

3MSE 222 0850a

Type/ Tipo: GP100 213/215T Arm.

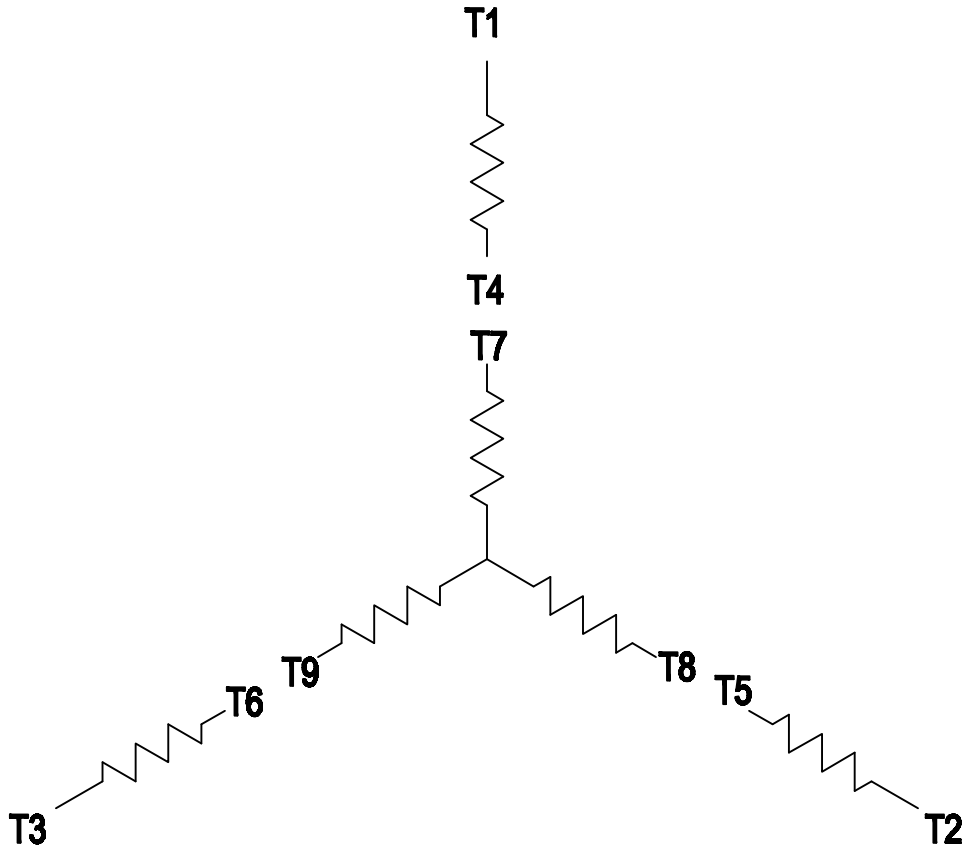
Ref. Rep./ 3MSE 222 0850 Sd6

Scale/ Escala
Sin W/O
- / -

Keyseat detail
Detalle Cúñero

3 PHASE - 9 LEADS - WYE

VOLTS	LINES			CONNECTED TOGETHER	CONN.
	L1	L2	L3		
LOW	T1 T7	T2 T8	T3 T9	T4 T5 T6	Y Y
HIGH	T1	T2	T3	T4 T7-T5 T8-T6 T9	Y



THIS IS A CAD DRAWING
DO NOT MAKE MANUAL CHANGES

01 | 09-27-07

TYPE

-CONFIDENTIAL-

PROPERTY OF

Siemens Energy & Automation, Inc.
Industrial Motor Division - Little Rock, AR

FRAME

HP

NAME

WIRING DIAGRAM

VOLTS

RPM

HZ

PH

3

Customer

PO #

SO #

DRAWN	9.24.07	DATE	JRH
CHECKED		DATE	
APP		DATE	

SHEET 1 OF 1

Sim. To

PART NO.

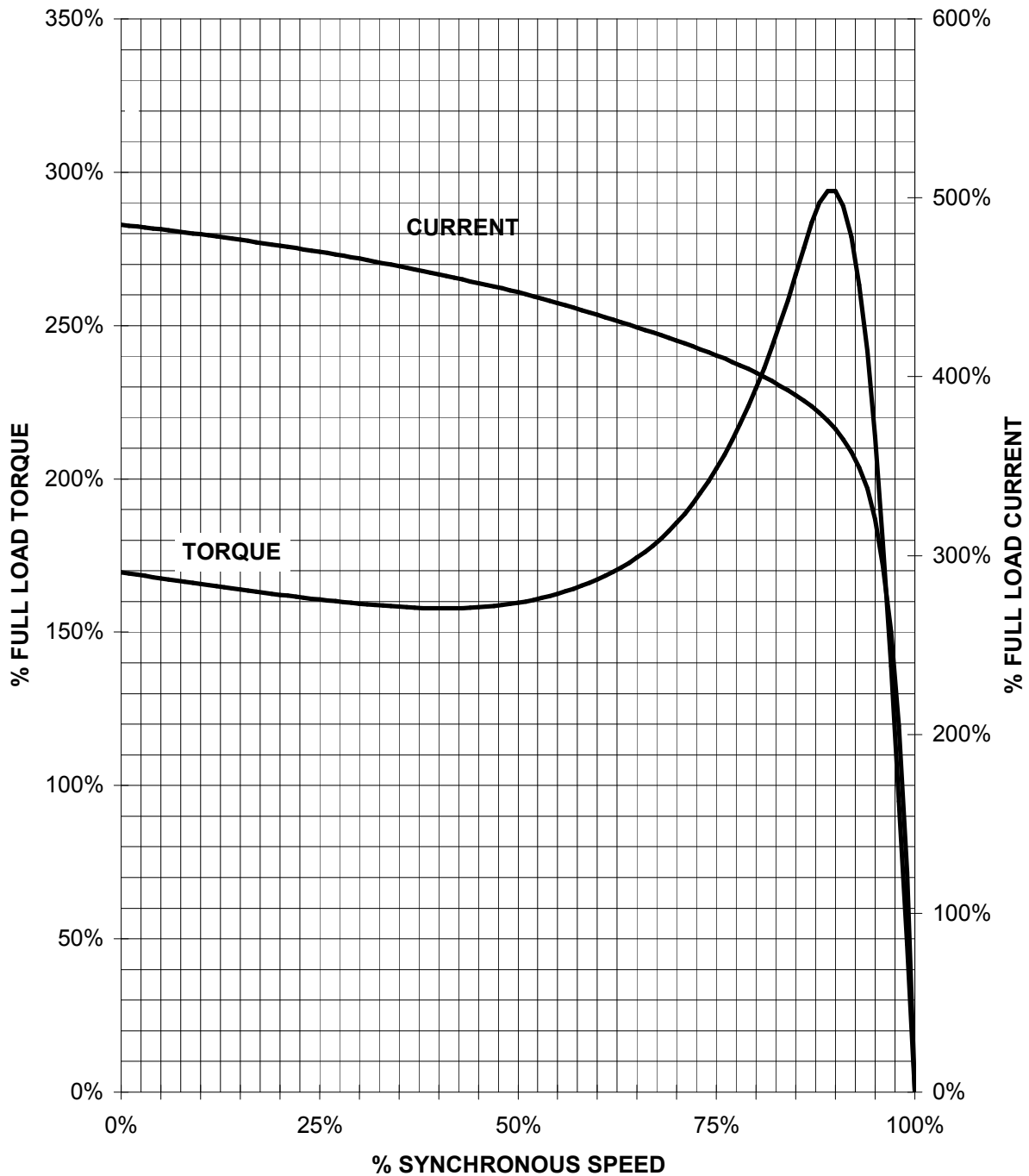
51-382-114-501

A

SIEMENS INDUSTRY, INC.

HP 2 VOLTS < 600V RPM 900 TYPE GP100
HZ 60 PHASE 3 FRAME 213T NEMA B

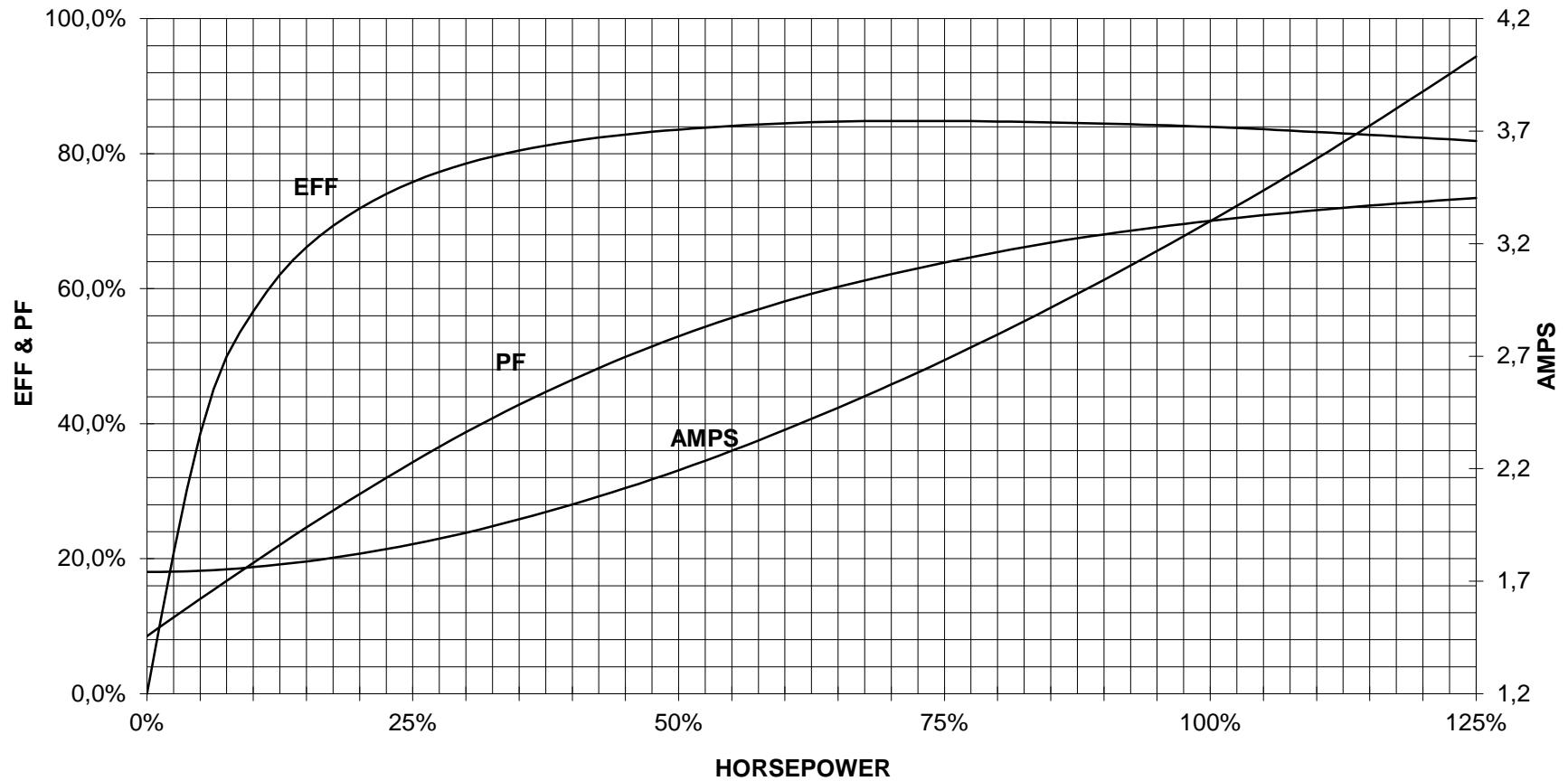
TORQUE & CURRENT VS. SPEED



CUSTOMER: _____ ORDER#: _____

2 HP 900 RPM 213T 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