SIEMENS

NEMA Motor Data

MLFB-Ordering data : **1LE2221-2AD11-4EA3**

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

Item no. :
Consignment no. :
Project :

Nameplate Data

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	213TC	kVA Code	H
DE AFBMA	40BC02JPP30	NEMA Des	B
ODE AFBMA	40BC02JPP30	Mtr WT	126
60 Hertz	3 Ph TEFC	IP	55

Typical Performance Data

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

Mounting and motor protection

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

Bearing Data

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

Mechanical Data

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-ft²

Brake: without

Typical Noise Data

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

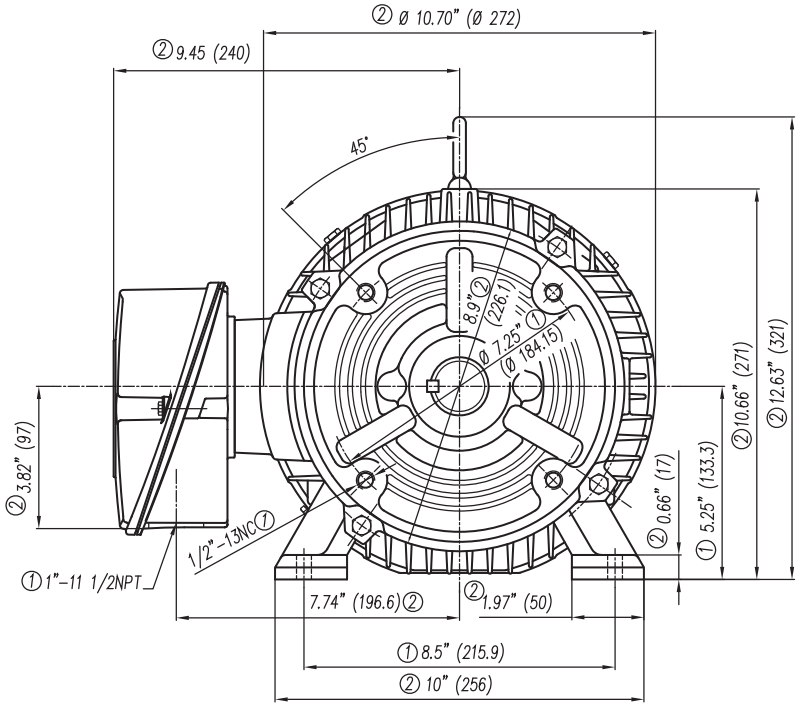
Description 3 PHASE - 9 LEAD - WYE

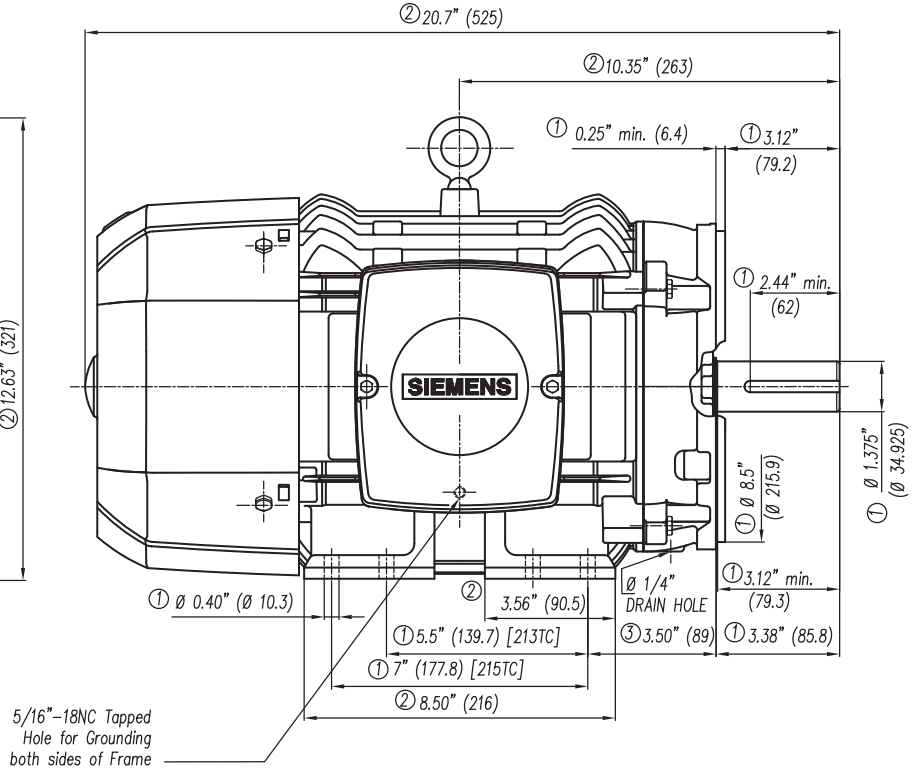
Voltage	L1	L2	L3	Connected together	
LOW	T1 T7	T2 T8	T3 T9	T4 T5 T6	Y Y
HIGH	T1	T2	T3	T4 T7-T5 T8-T6 T9	Y

Special design :

Lubrication Information

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

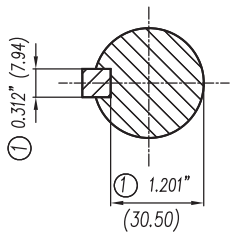




① Tolerances According to NEMA Std.	① Tolerancias acorde a NEMA Std.
② All these dimensions corresponding to assemblies and castings shall have a tolerance as per DIN standard 1686–GTB 19.	② Todas estas dimensiones correspondientes a ensambles y fundición en bruto tendrán una tolerancia según DIN 1686–GTB–19
③ Not According to NEMA Std.	③ No Acorde a NEMA Std.

CERTIFIED PRINT/CERTIFICACION

CUSTOMER/CLIENTE						
PO#/ORDEN COMPRA#		SO#/ORDEN CLIENTE#				
HP	RPM	FRAME/ARM.	TYPE/TIPO	VOLTS	PH/FÁS.	HZ



Keyseat detail
Detalle Cuñero

②

Tol. in mm. acc. to/Tol. en mm. segun DIN-1686-GTB-19		
Over/desde	to/hasta	
---	18	± 4.5
18	30	± 4.7
30	50	± 5
50	80	± 5.5
80	120	± 6
120	180	± 6.5
180	250	± 7
250	315	± 7.5
315	400	± 8
400	500	± 8.5
500	630	± 9.5
630	800	± 10

European Projection/ Proyeccion Europea

Dim. in inches/Dim. en pulg.

Modific.

a)Se cambió formato a Inglés–Español y se especificó tipos en los que aplica este dibujo.

a)Changed the format to English–Spanish and was especified in what kind of motors apply this drawing.

	Date/Fecha	Name/Nombre
Drawn/Elab.	03/03/08	Guzmán
Check/Rev.		
Std.Ckd./Aut		

Outline/Dimensiones

New NEMA Motors

Type/ Tipo: GP100 213/215TC Arm.

Scale/ Escala: Sin W/O

SIEMENS

GUADALAJARA FACTORY

3MSE 222 0851a)

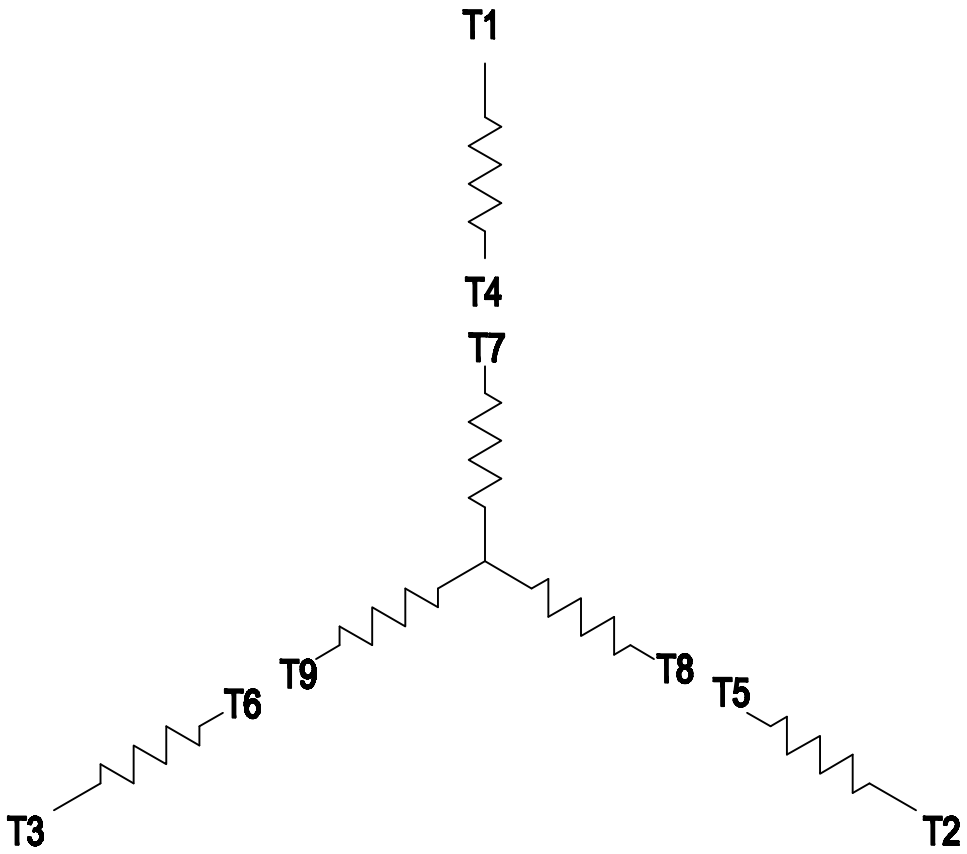
Ref. Rep./ Sdo. 3MSE 222 0851

-/-

F2&W1005

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



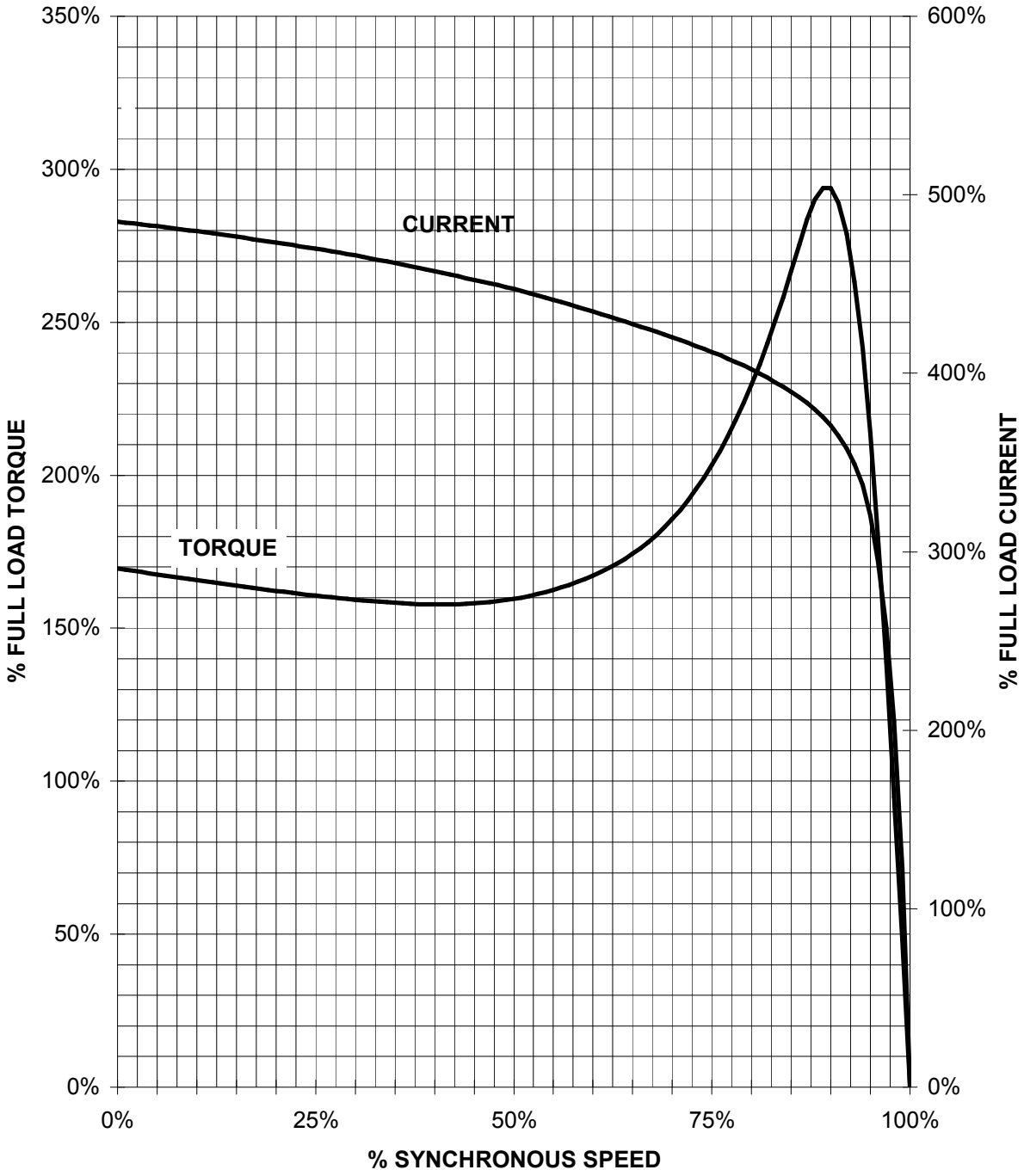
THIS IS A CAD DRAWING
DO NOT MAKE MANUAL CHANGES

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	
	DRAWN 9.24.07 DATE JRH CHECKED DATE APP DATE	PO # / SO #	
		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

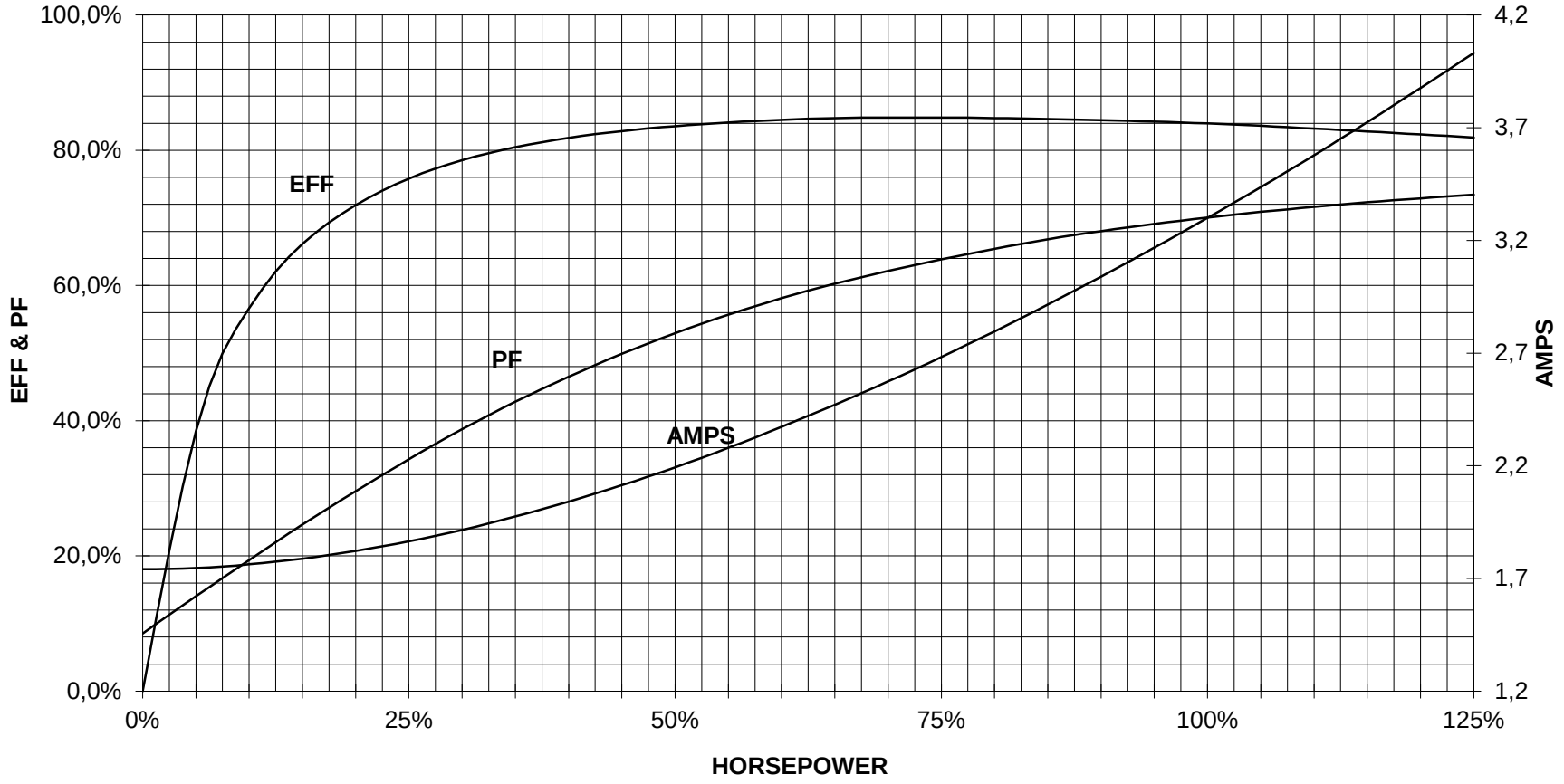


CUSTOMER: _____ ORDER#: _____

PERFORMANCE BASED ON DESIGN CALCULATIONS. SUBJECT TO CHANGE WITHOUT NOTICE.
REV. 1

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