SIEMENS

NEMA Motor Data

MLFB-Ordering data : **1LE2221-2AB21-4AA3**

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

Item no. :
Consignment no. :
Project :

Nameplate Data

Type:

HP	10.0	Rating	Cont.
Voltage	(14) 208-230/460V,	Ins. Class	Class F (Standard)
Amps	25.0 / 12.5 A	S.F.	1.15
FL RPM	1755	Amb. Temp.	40 deg C
FL Efficiency	91.7 %	Temp. Rise	Class B
FRAME	215T	kVA Code	H
DE AFBMA	40BC02JPP30	NEMA Des	B
ODE AFBMA	40BC02JPP30	Mtr WT	177.03
60 Hertz	3 Ph TEFC	IP	35

Typical Performance Data

Load	No Load	1/2	3/4	Full Load	LRC
Efficiency		91.7 %	92.2 %	91.7 %	
Power Factor		63.8	76.2	81.7	
Current (A)	6.1 A	8.0 A	10.0 A	25.0 / 12.5	81.0 A

Inverter Duty	VT	20:1	CT	4:1

Mounting and motor protection

Type of construction	(A) Foot mounted - End shield
Motor protection	(A) No winding protection
Terminal box design	(3) Mounting - F-1

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)	20	COLD (s)	36
Rtr wt (lbs)	44.63	Rtr WK2	0.86		
FLT (lb-ft)	30.000	LRT	270	BDT	410

Ext Load Inertia (WK2) Capability 105.0 lb-ft²

Typical Noise Data

A-weighted Sound	Octave Band Center Frequencies Hertz (Hz)								
Pressure Level	125	250	500	1000	2000	4000	8000	SPL	67
at 3 feet	40	58	62	64	59	53	44	SPwrL	77

Wiring Connection Information

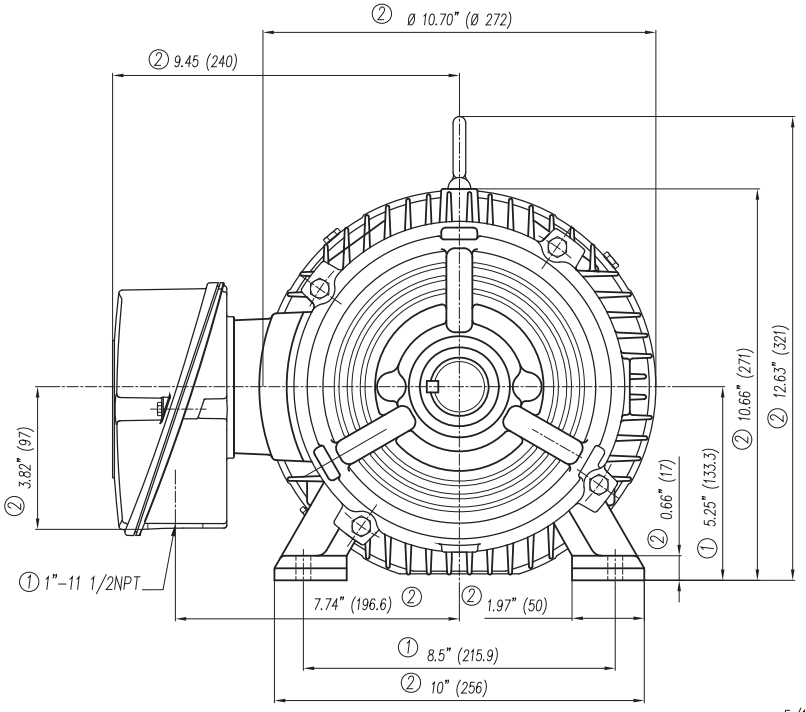
Description 3 PHASE - 9 LEAD - WYE

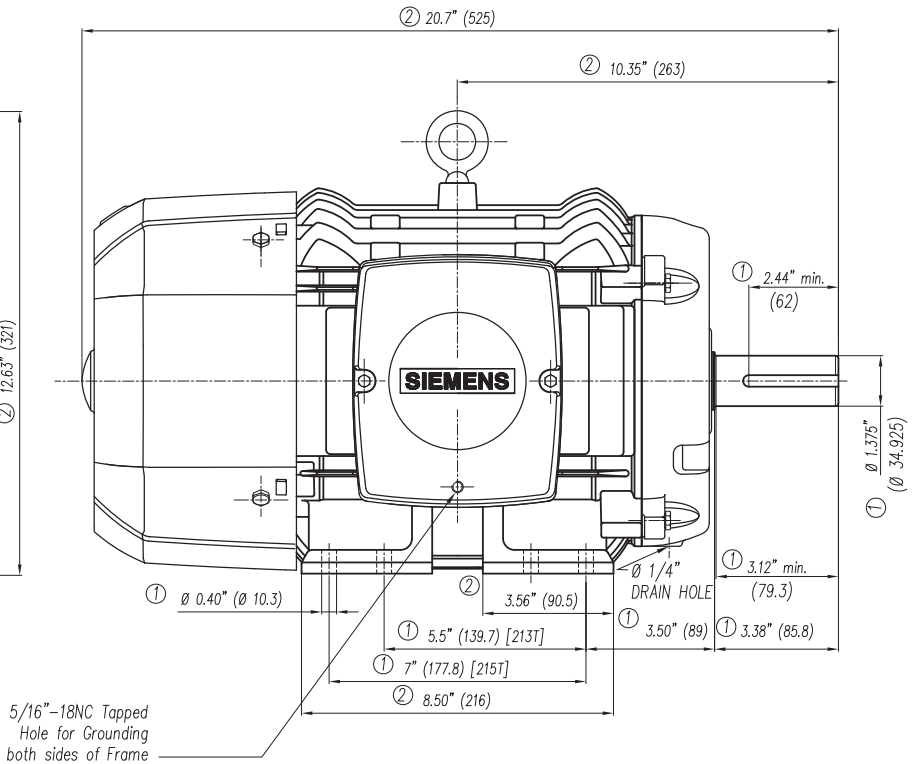
Voltage	L1	L2	L3	Connected together	
LOW	T1 T7	T2 T8	T3 T9	T4 T5 T6	Y Y
HIGH	T1	T2	T3	T4 T7-T5 T8-T6 T9	Y

Special design :

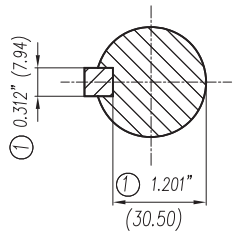
Lubrication Information

Manufacturer	Mobil Polyrex EM or equal
Type	Polyurea (standard)
DE Capacity (oz.)	2.60
ODEnd Capacity (oz.)	2.30





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.



Keyseat detail
Detalle Cuñero

CERTIFIED PRINT/CERTIFICACION

CUSTOMER/CLIENTE

POR/ORDEN COMPRA#			SO#/ORDEN CLIENTE#			
HP	RPM	FRAME/ARM.	TYPE/TIPO	VOLTS	PH/FAS.	HZ

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 213/215T Arm.

Scale/ Escala: Sin W/O

SIEMENS
GUADALAJARA FACTORY

3MSE 222 0850a)

Ref. | Rep./ Sdo. 3MSE 222 0850

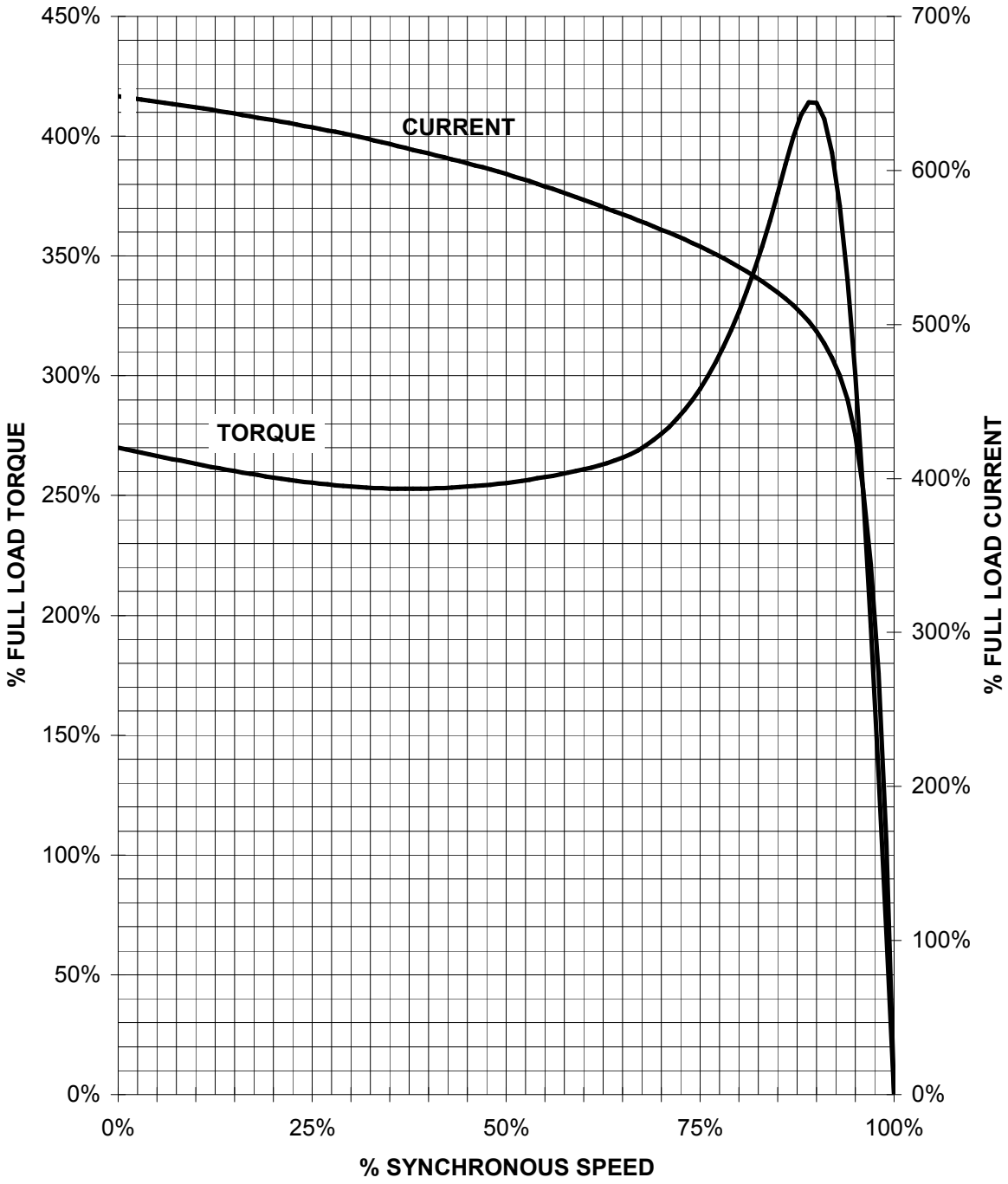
-/-

F260/1005

SIEMENS INDUSTRY, INC.

HP	10	VOLTS	< 600V	RPM	1800	TYPE	GP100
HZ	60	PHASE	3	FRAME	215T	NEMA	B

TORQUE & CURRENT VS. SPEED

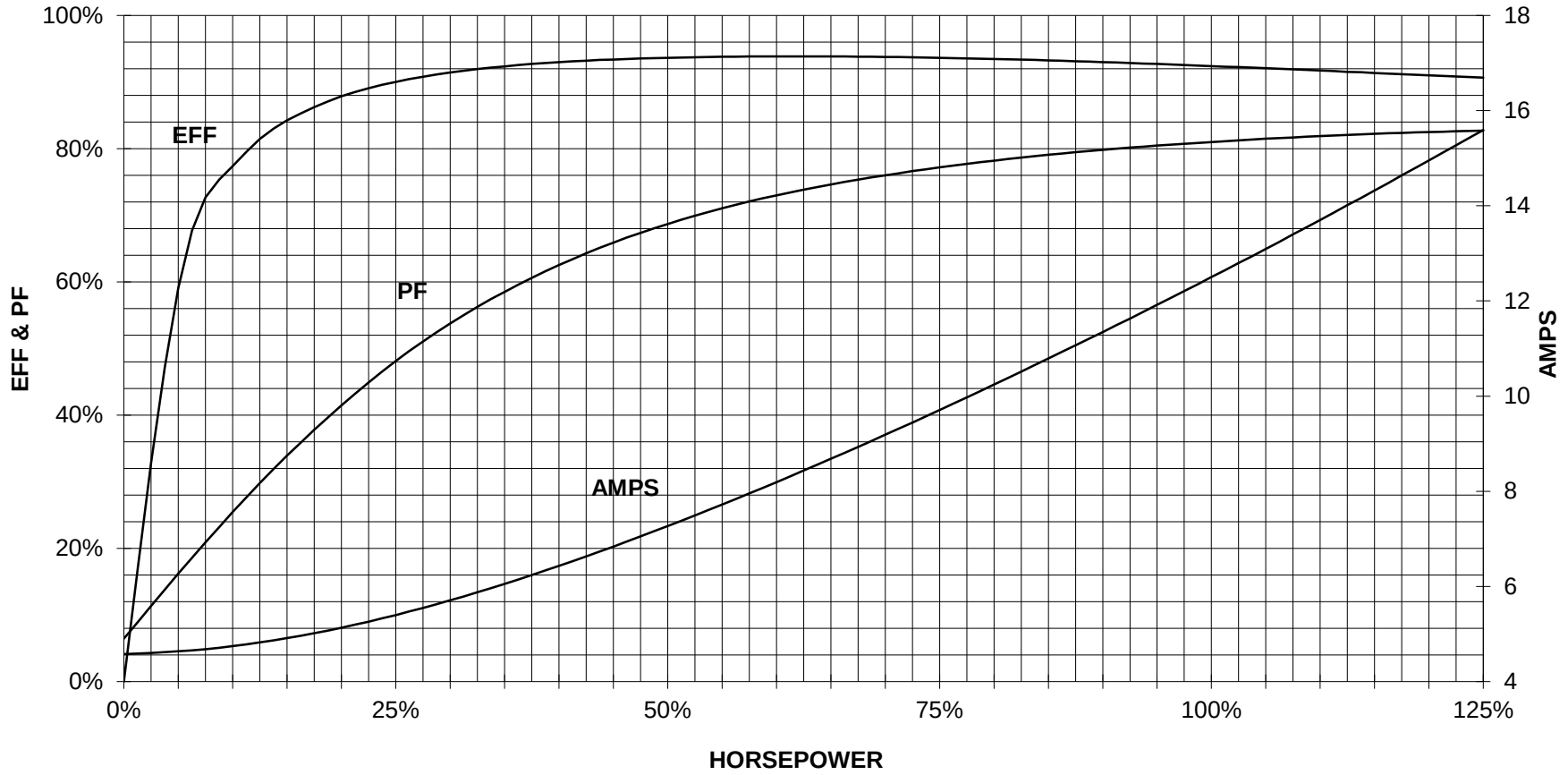


CUSTOMER: _____ ORDER#: _____

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

10 HP 1800 RPM 215T FRAME 460 VOLTS 3 PHASE NEMA DESIGN B

SIEMENS INDUSTRY, INC.
PERFORMANCE CURVE
GP100



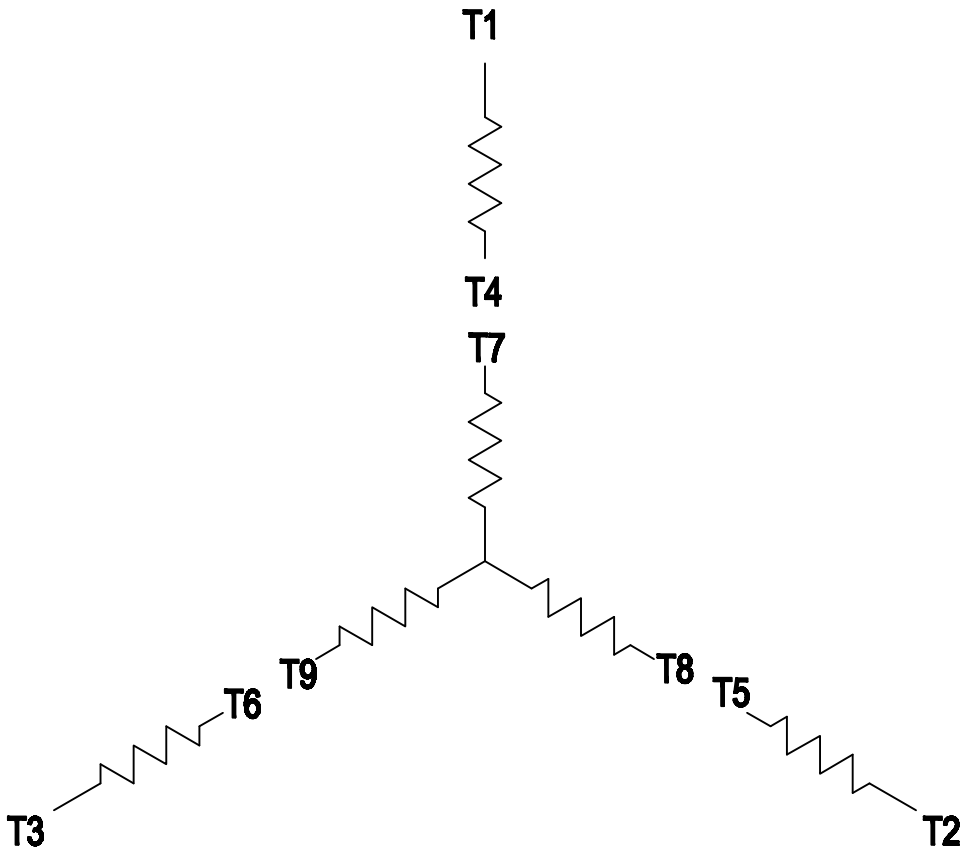
CUSTOMER_____ ORDER #_____ PO #_____

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

REV. 1

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