



NEMA Motor Data

MLFB-Ordering data : 1LE2221-4BA21-2AA3

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

Item no. :
Consignment no. :
Project :

Nameplate Data	Mounting and motor protection
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Type:			
HP	100.0	Rating	Cont.
Voltage	(12) 460V STD, 60Hz	Ins. Class	Class F (Standard)
Amps	108.0 A	S.F.	1.15
FL RPM	3570	Amb. Temp.	40 deg C
FL Efficiency	94.1 %	Temp. Rise	Class B
FRAME	405TS	kVA Code	G
DE AFBMA	80BC03JP30	NEMA Des	B
ODE AFBMA	70BC02JPP30	Mtr WT	1012.02
60 Hertz	3 Ph	TEFC	IP 54

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	6316 Z C3 S0	6214 ZZ C3 S0
Bearing Type	Ball Bearing	Ball Bearing
AFBMA	80BC03JP30	70BC02JPP30

Typical Performance Data					
Load	No Load	1/2	3/4	Full Load	LRC
Efficiency		94.6 %	94.7 %	94.1 %	
Power Factor		89.0	91.0	92.0	
Current (A)	19.0 A	55.6 A	81.5 A	108.0 A	725.0 A
Inverter Duty	VT	20:1	CT	4:1	

Mechanical Data					
SAFE STALL TIME	HOT (s)	25	COLD (s)	45	
Rtr wt (lbs)	203.85	Rtr WK2	12.6		
FLT (lb-ft)	147.000	LRT	120	BDT	200
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	80
at 3 feet	51	67	72	74	74	72	61	SPwrL	91

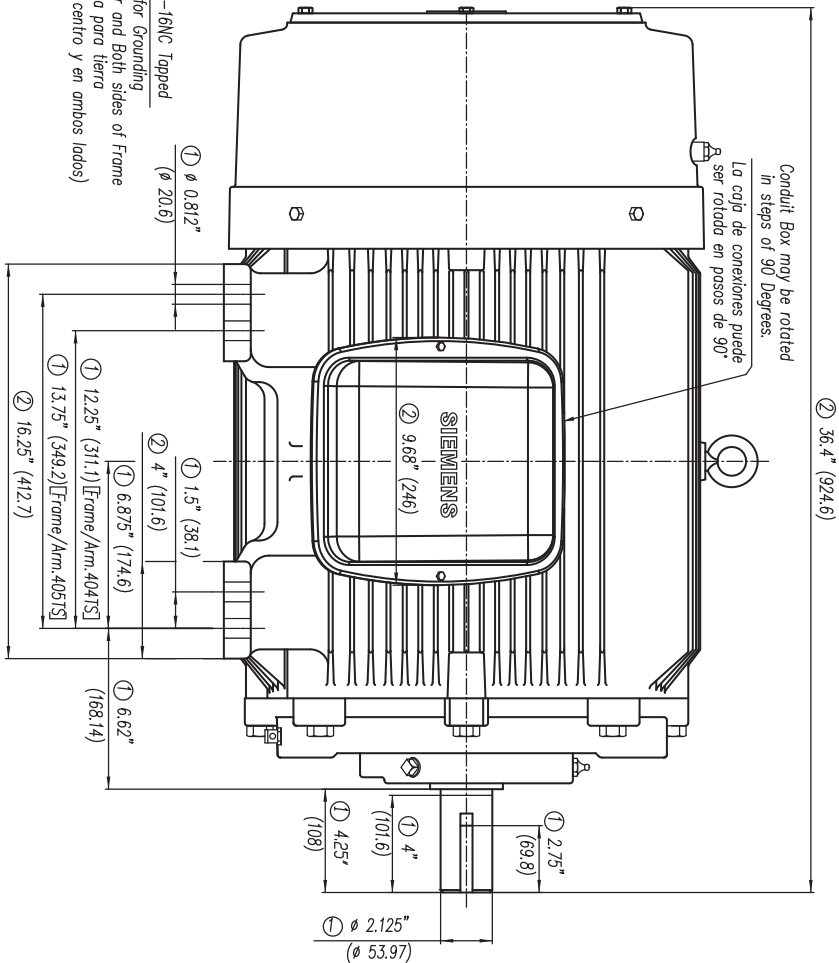
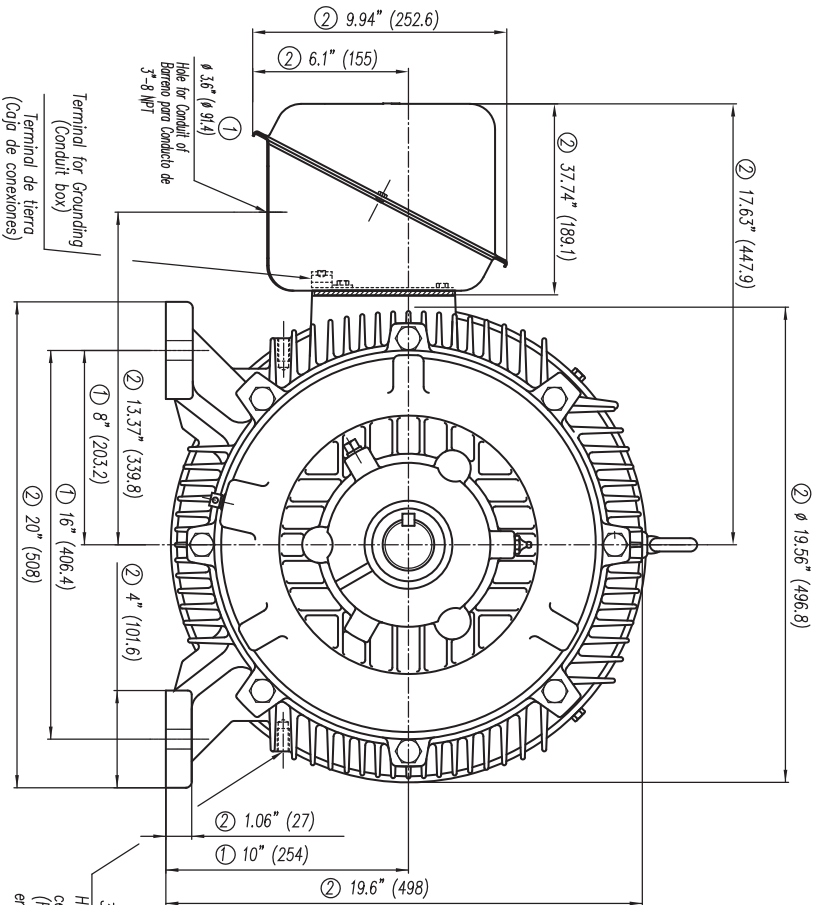
Wiring Connection Information

Special design :

Description	3 PHASE - 3 LEAD - DELTA				
Voltage	L1	L2	L3	Connected together	
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-----	T1	T2	T3	-----	Δ

Lubrication Information

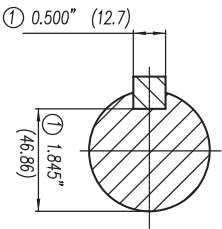
Manufacturer	Mobil Polyrex EM or equal
Type	Polyurea (standard)
DE Capacity (oz.)	7.50
ODEnd Capacity (oz.)	6.70



- 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.
- ① Tolerancias acorde a NEMA Std.
- ② Todos estas dimensiones correspondientes a ensambles y fundición una tolerancia según DIN 1686-GTB-19
- ③ No Acorde a NEMA Std.

CERTIFIED PRINT/CERTIFICACION

CUSTOMER/CLIENTE			
PART/PIECE COMPANY		SIGNATURE/CLIENTE	
#P	REV	FRAME/ARMA	TYPE/TIPO
		VALIS	REV/AS.
			Hz



Keyseat detail
Detalle Cuñero

Tol. in mm. acc. to Tol. en mm. según DIN-1686-GTB-19		European Projection/Proyección Europea		Modific.	
Diver/desde	to/hasta				
18	± 4.5				
30	± 4.7				
50	± 5				
80	± 5.5				
120	± 6				
180	± 6.5				
250	± 7.5				
315	± 8				
400	± 8.5				
500	± 9.5				
630	± 10				

Din. in inches/Din. en pulg.		None/Nombre	
Drawn/Elab.		A. Perez	
Check/Rev.		A. Red	
Std/Std/Art			

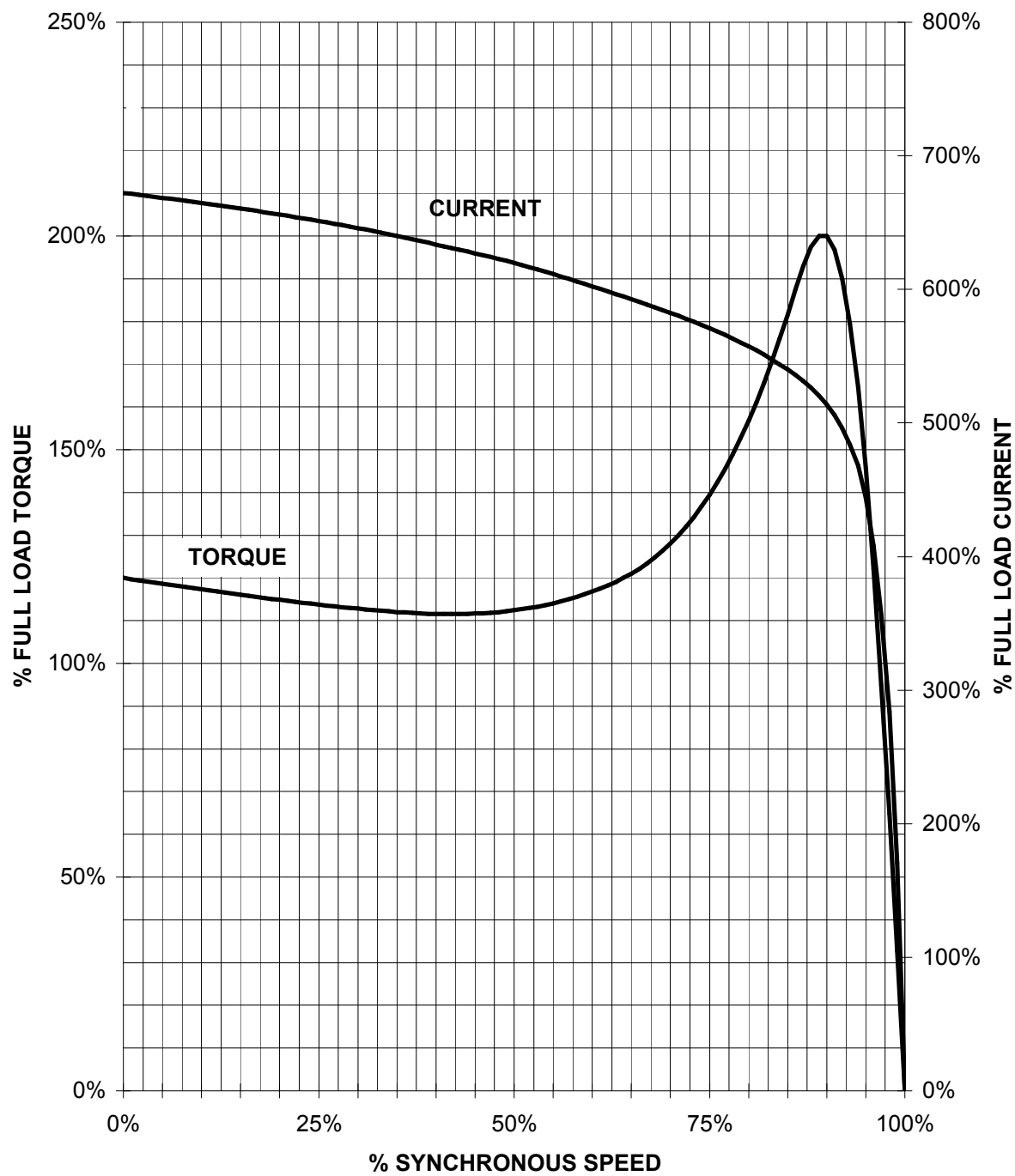
GUADALAJARA FACTORY		SIEMENS	
Ref.		3MSE 740 0605 a)	
Rep.		3MSE 740 0605	

Outline/Dimensiones		Scale/Escala	
New NEMA Motors (TS) Short Shaft/ Espiga Corta		W/O	
Type/ Tipo		Sin	
GP10 y GP100 404/405TS FRAME (Foot & mHP)			

SIEMENS INDUSTRY, INC.

HP 100 VOLTS < 600V RPM 3600 TYPE GP100
HZ 60 PHASE 3 FRAME 405TS NEMA B

TORQUE & CURRENT VS. SPEED

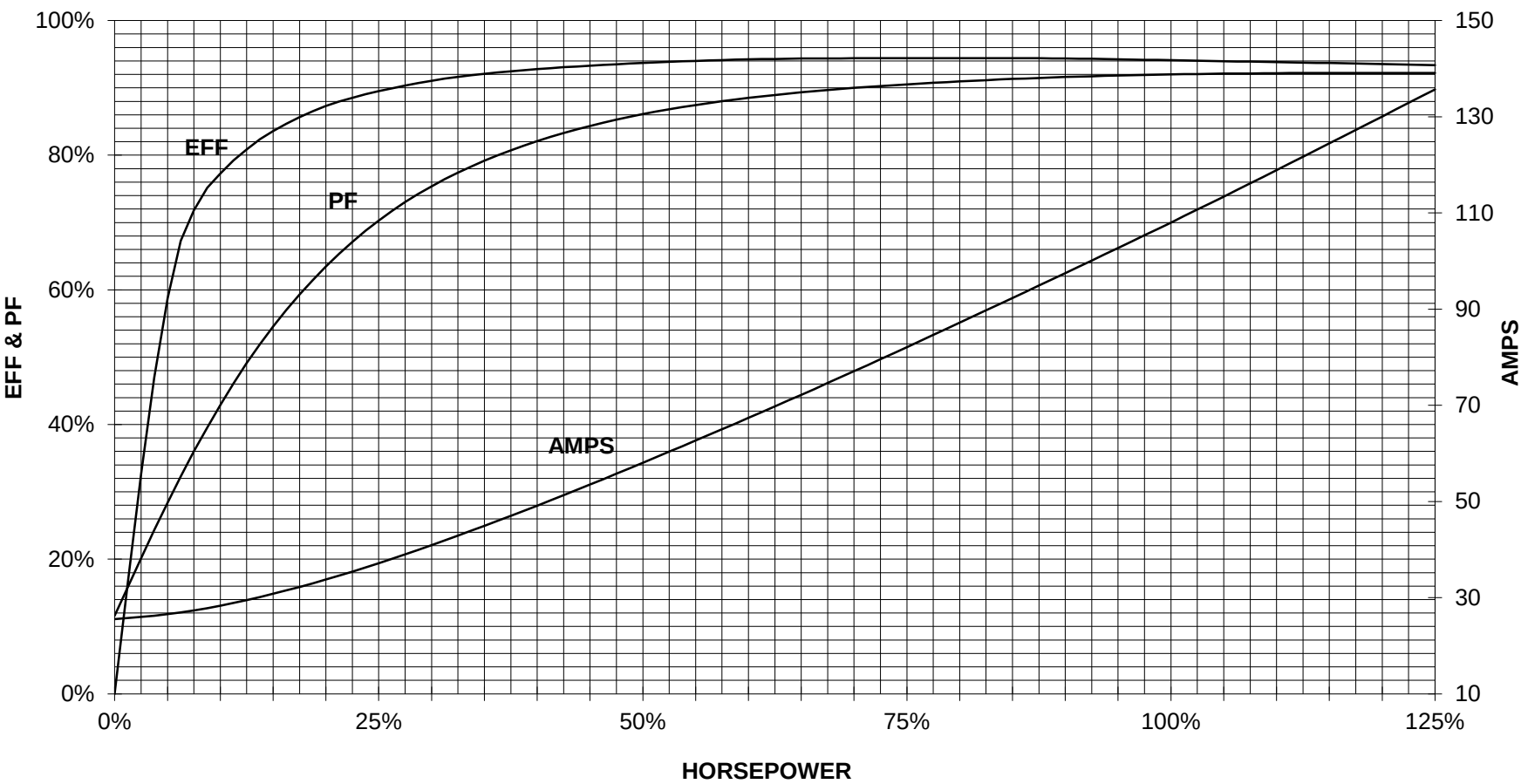


CUSTOMER: _____ ORDER#: _____

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

100 HP 3600 RPM 405TS FRAME 460 VOLTS 3 PHASE NEMA DESIGN B

SIEMENS INDUSTRY, INC.
PERFORMANCE CURVE
GP100



CUSTOMER: _____ ORDER #: _____

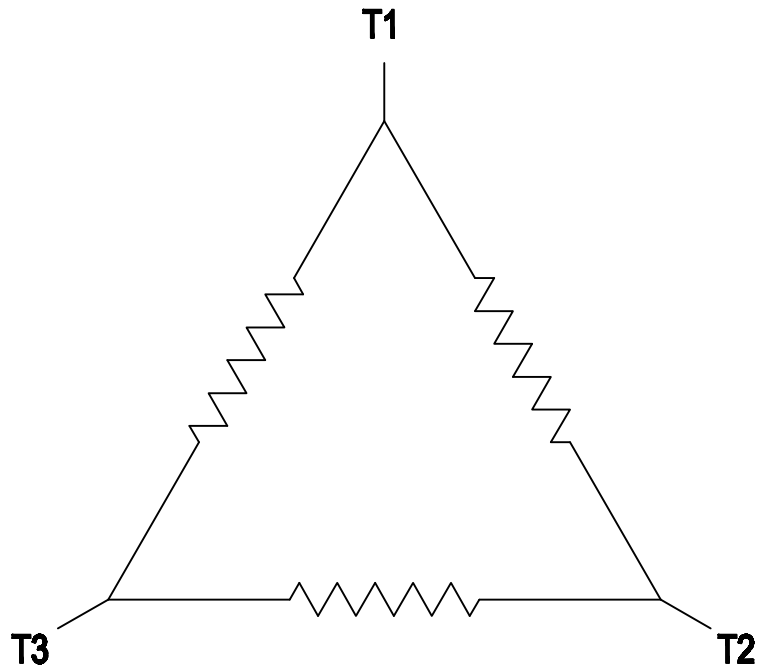
PERFORMANCE BASED ON DESIGN CALCULATIONS. SUBJECT TO CHANGE WITHOUT NOTICE.

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3 PHASE - 3 LEADS - DELTA

L1	L2	L3	CONN.
T1	T2	T3	△



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.

51-382-114-504

A

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