



NEMA Motor Data

Ordering data : 1LE2221-3BA21-6AA3

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

Item no. :
Consignment no. :
Project :

Nameplate Data				Mounting and motor protection			
----------------	--	--	--	-------------------------------	--	--	--

Type	GP100 - NEMA Premium Efficiency			
HP	50.0	Rating	Cont.	
Voltage	(16) 230/460V, STD	Ins. Class	Class F (Standard)	
Amps	110.0 / 55.0 A	S.F.	1.15	
FL RPM	3535	Amb. Temp.	40 deg C	
FL Efficiency	93.6 %	Temp. Rise	Class B	
FRAME	326TS	kVA Code	G	
DE AFBMA	60BC03JP30	NEMA Des	B	
ODE AFBMA	50BC02JPP30	Mtr WT	539.01	
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	6312 Z C3 S0	6210 ZZ C3 S0
Bearing Type	Ball Bearing	Ball Bearing
AFBMA	60BC03JP30	50BC02JPP30

Typical Performance Data					
Load	No Load	1/2	3/4	Full Load	LRC
Efficiency		93.8 %	94.1 %	93.6 %	
Power Factor		82.0	89.0	91.0	
Current (A)	15.0 A	30.4 A	41.9 A	110.0 / 55.0	363.0 A
Inverter Duty	VT	20:1	CT	4:1	

Mechanical Data					
SAFE STALL TIME	HOT (s)	18	COLD (s)	37	
Rtr wt (lbs)	111.77	Rtr WK2	3.60		
FLT (lb-ft)	74.000	LRT	150	BDT	250
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	77
at 3 feet	43	56	68	68	70	74	54	SPwrL	87

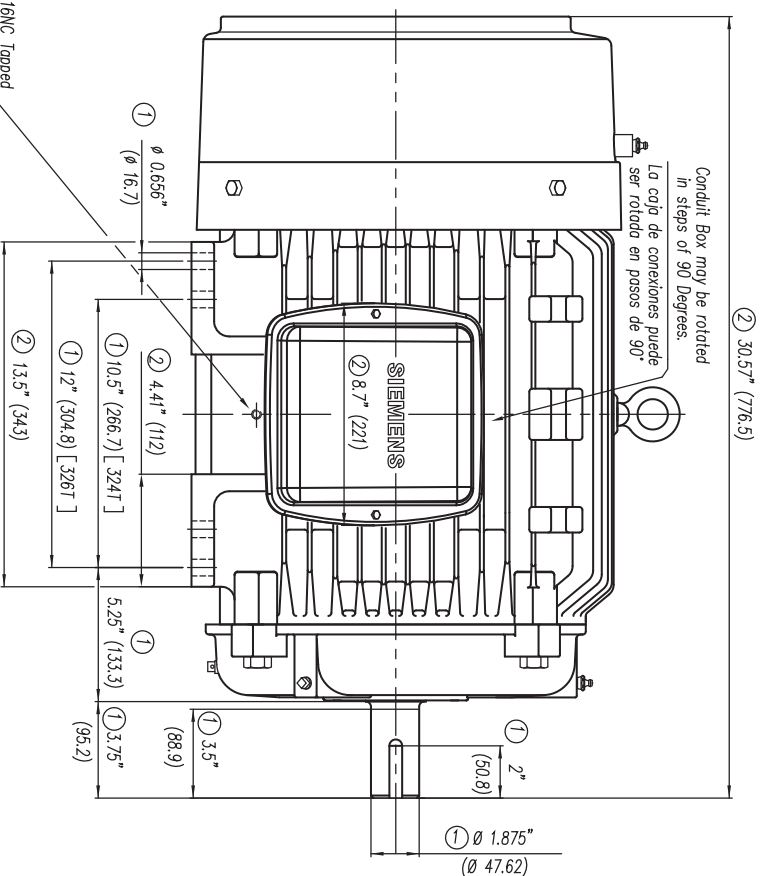
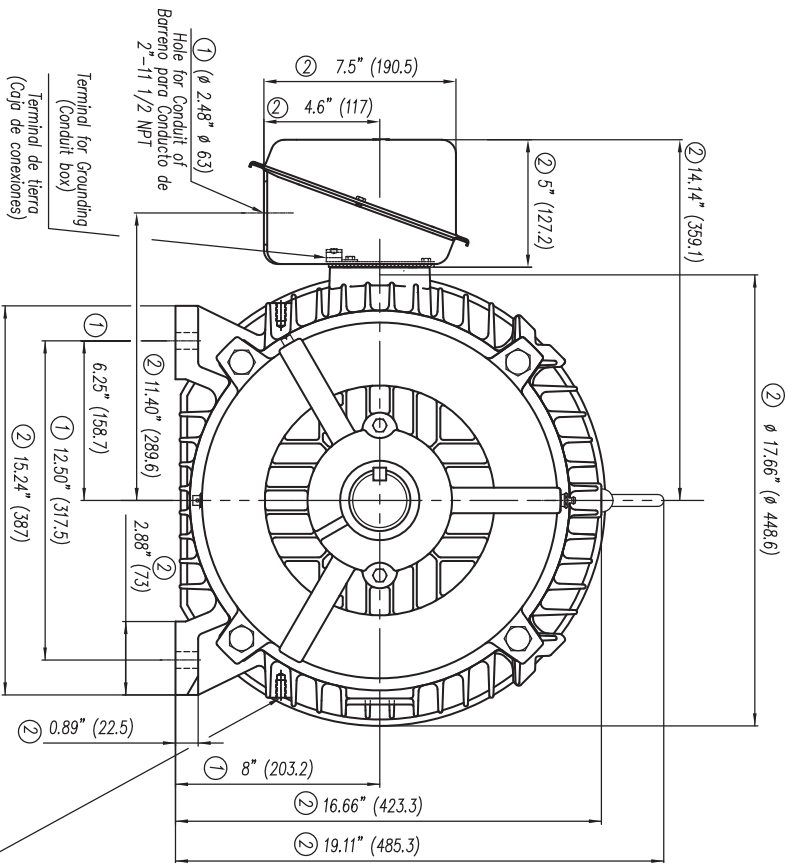
Wiring Connection Information			
-------------------------------	--	--	--

Special design :			
------------------	--	--	--

Description	3 PHASE - 9 LEAD - DELTA						
Voltage	L1	L2	L3	Connected together			
LOW	T1 T7 T6	T2 T8 T4	T3 T9 T5	-- -- --		Δ Δ	
HIGH	T1	T2	T3	T4 T7-T5 T8-T6 T9		Δ	

Lubrication Information			
-------------------------	--	--	--

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

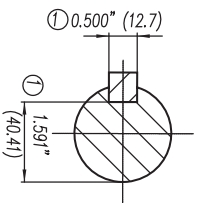


- ① Tolerances According to NEMA Std.
② All these dimensions corresponding to assemblies and castings shall have a tolerance as per DIN standard 1686-G1B 19.

- ① Tolerancias acorde a NEMA Std.
② Todos estas dimensiones correspondientes a ensambles y fundición en bruto, tendrán una tolerancia según DIN 1686-G1B-19.

CERTIFIED PRINT/CERTIFICACION

CUSTOMER/CLIENTE		SUPPLIER/CLIENTE	
PROYECTO/PROYECTO		PROYECTO/PROYECTO	
REF.	REF.	REF.	REF.
REF.	REF.	REF.	REF.



Keyseat detail
Detalle Cuñero

Tol. in mm. acc. to Tol. en mm. según DIN-1686-G1B-19		European Projection/Proyección Europea		Date/Fecha		Name/Nombre		Type/Short shaft/ Bspiga Corta		Scale/ Escala	
Over/desde	To/hasta	Modific.									
18	30	± 4.5									
30	50	± 4.7									
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									

SIEMENS

3MSE 720 1411

GUADALAJARA FACTORY

Ref. 3MSE 720 1185

Rep/

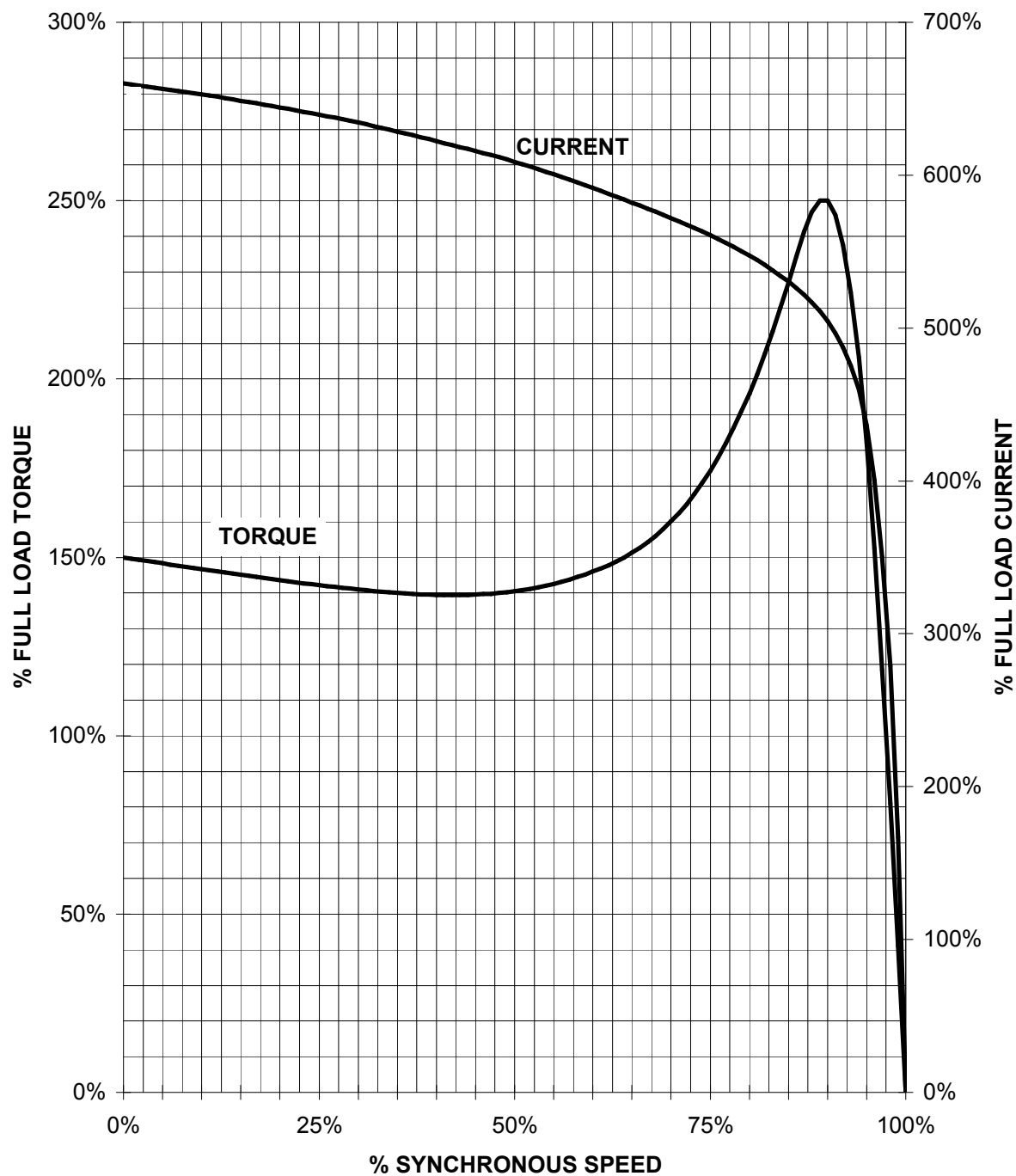
500

1/1

SIEMENS INDUSTRY, INC.

HP 50 VOLTS < 600V RPM 3600 TYPE GP100
HZ 60 PHASE 3 FRAME 326TS NEMA B

TORQUE & CURRENT VS. SPEED

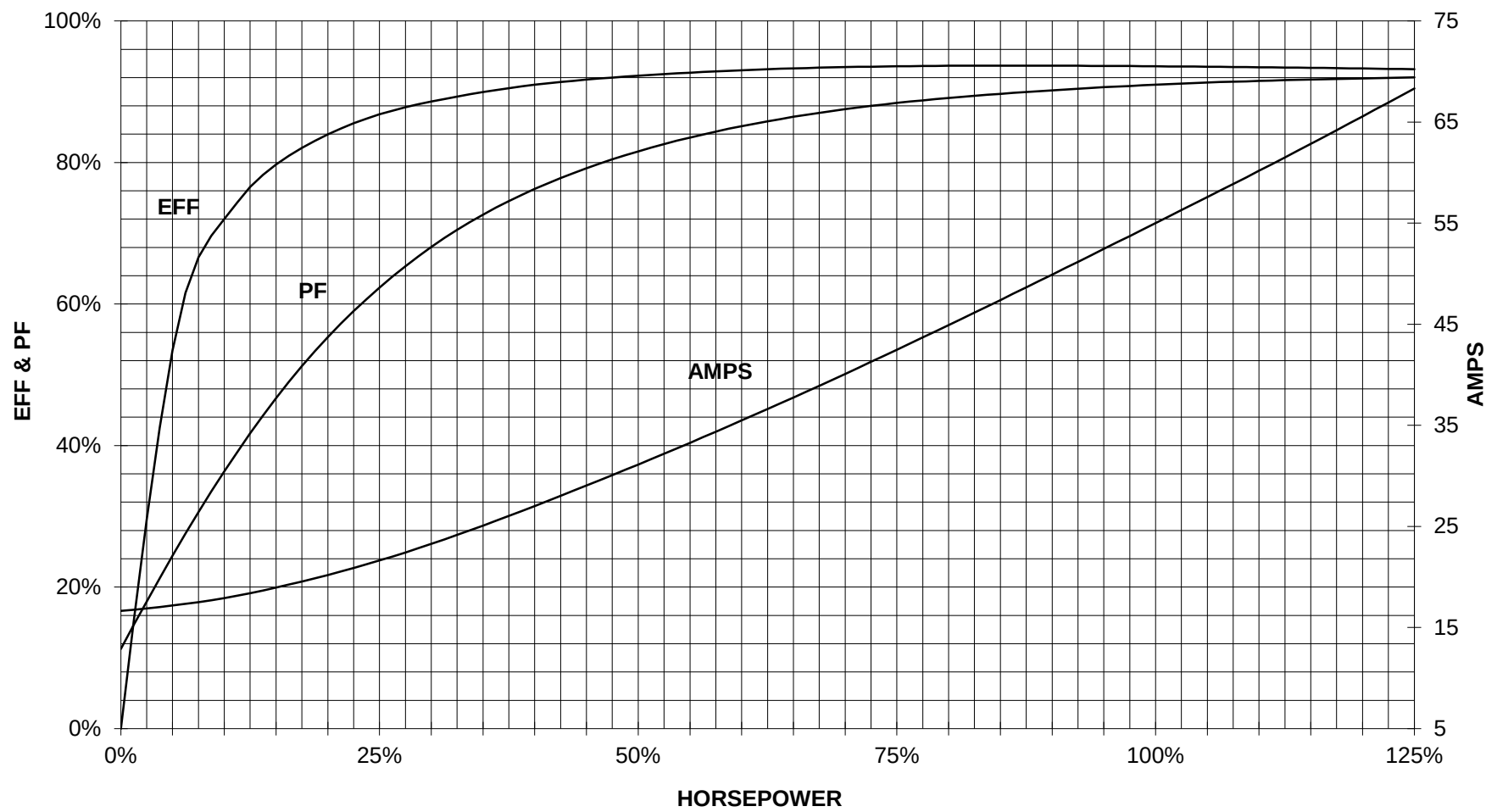


CUSTOMER: _____ ORDER#: _____

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

50 HP 3600 RPM 326TS FRAME 460 VOLTS 3 PHASE NEMA DESIGN B

SIEMENS INDUSTRY, INC.
PERFORMANCE CURVE
GP100



CUSTOMER: _____ ORDER # _____ PO # _____

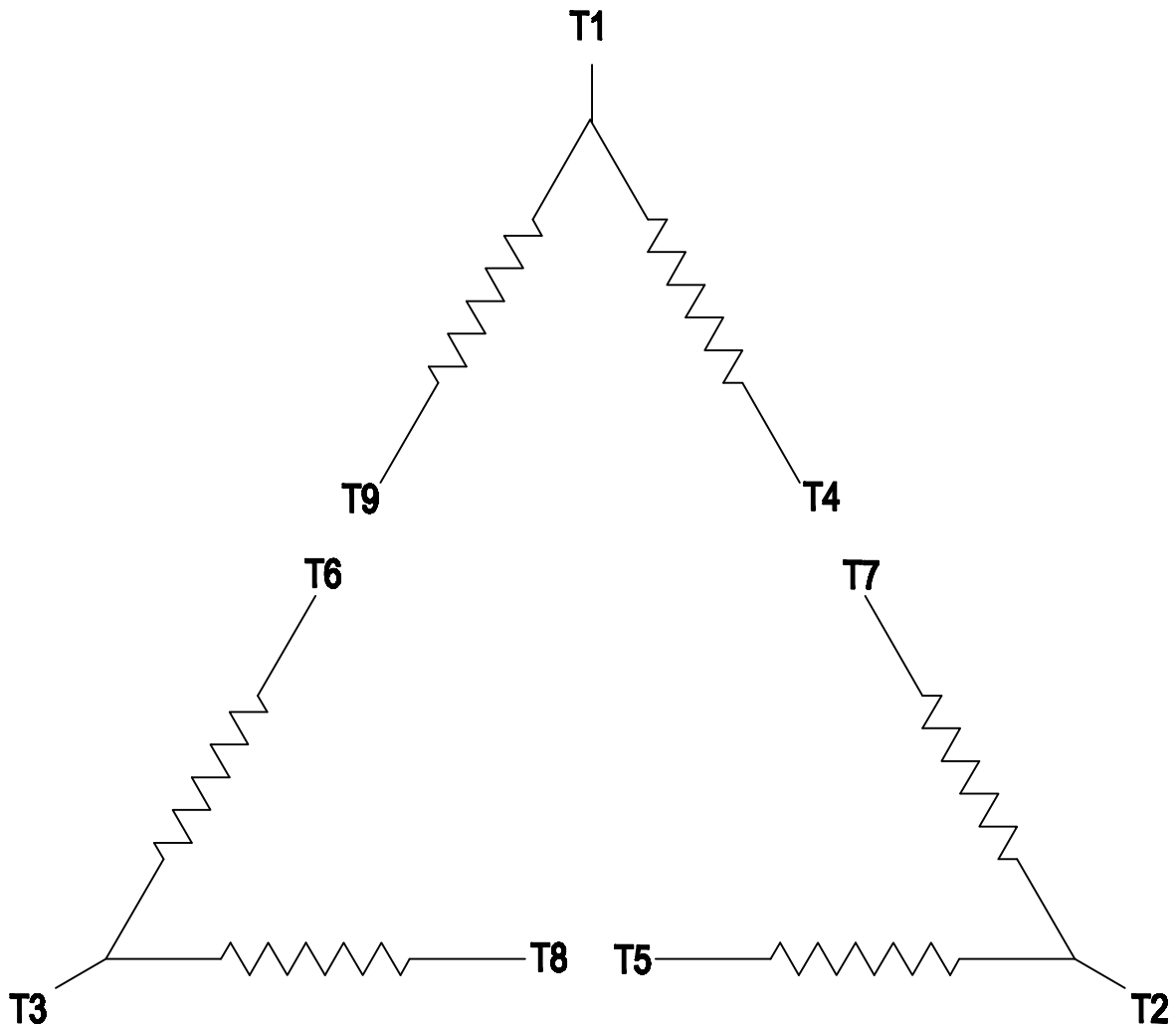
PERFORMANCE BASED ON DESIGN CALCULATIONS. SUBJECT TO CHANGE WITHOUT NOTICE.
REV. 1

2

1

B

B



3 PHASE - 9 LEADS - DELTA

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

A

A

THIS IS A CAD DRAWING
DO NOT MAKE MANUAL CHANGES

01 09-27-07

TYPE

-CONFIDENTIAL-

PROPERTY OF

Siemens
Little Rock, AR

FRAME

HP

NAME

WIRING DIAGRAM

Customer

VOLTS

RPM

HZ

PH

3

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

2

1