



NEMA Motor Data

Ordering data : 1LE2221-3CB11-6AA3

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			Rating	Cont.
HP	60.0			Ins. Class	Class F (Standard)
Voltage	(16) 230/460V, STD			S.F.	1.15
Amps	136.0 / 68.0 A			Amb. Temp.	40 deg C
FL RPM	1780			Temp. Rise	Class B
FL Efficiency	95.0 %			kVA Code	G
FRAME	364T			NEMA Des	B
DE AFBMA	70BC03JP30			Mtr WT	880.01
ODE AFBMA	70BC02JPP30			IP	54
60 Hertz	3 Ph	TEFC			

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	6314 Z C3 S0	6214 ZZ C3 S0
Bearing Type	Ball Bearing	Ball Bearing
AFBMA	70BC03JP30	70BC02JPP30

Typical Performance Data					
Load	No Load	1/2	3/4	Full Load	LRC
Efficiency		95.2 %	95.4 %	95.0 %	
Power Factor		77.0	85.0	87.0	
Current (A)	21.0 A	38.3 A	52.0 A	136.0 / 68.0	435.0 A
Inverter Duty	VT	20:1	CT	4:1	

Mechanical Data					
SAFE STALL TIME	HOT (s)	26	COLD (s)	38	
Rtr wt (lbs)	223.25	Rtr WK2	16.9		
FLT (lb-ft)	177.000	LRT	180	BDT	240
Ext Load Inertia (WK2) Capability	105.0 lb-ft²				

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	42	52	56	58	58	57	52	SPwrL	75

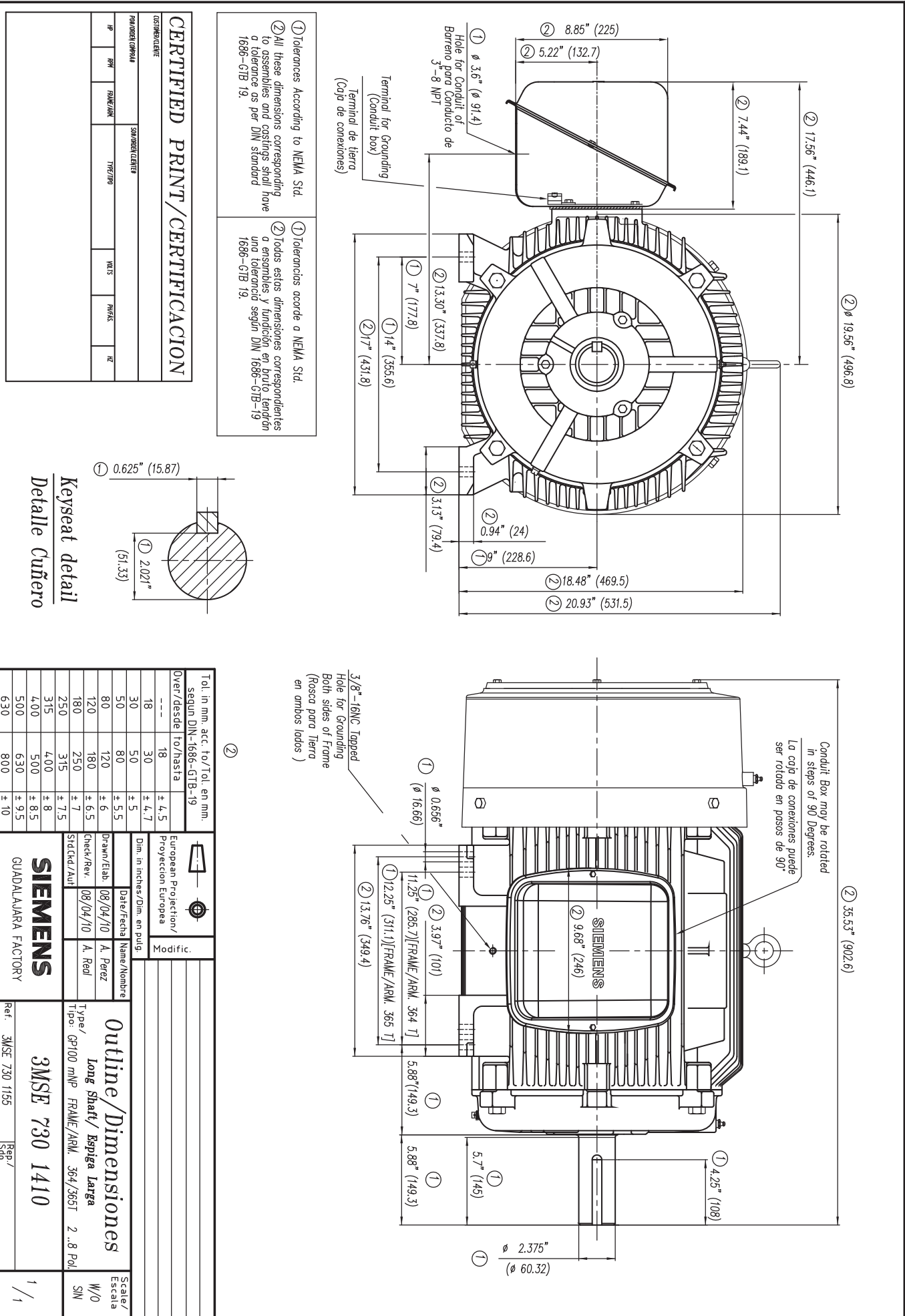
Wiring Connection Information			
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Special design :			
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Description	3 PHASE - 9 LEAD - DELTA				
Voltage	L1	L2	L3	Connected together	
LOW	T1 T7 T6	T2 T8 T4	T3 T9 T5	-- -- --	Δ Δ
HIGH	T1	T2	T3	T4 T7-T5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

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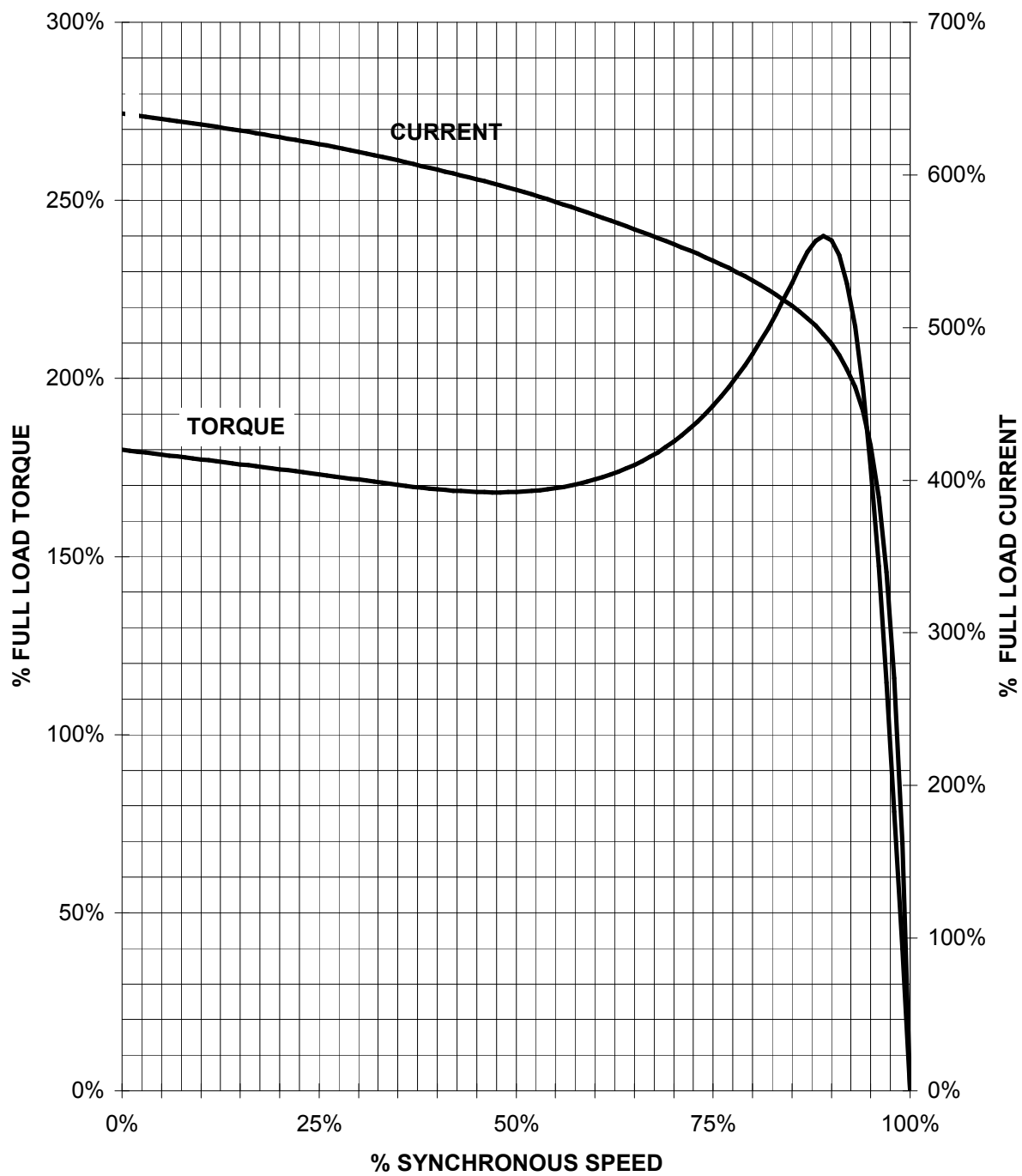
Manufacturer	Mobil Polyrex EM or equal
Type	Polyurea (standard)
DE Capacity (oz.)	7.50
ODEnd Capacity (oz.)	6.70



SIEMENS INDUSTRY, INC.

HP 60 VOLTS < 600V RPM 1800 TYPE GP100
HZ 60 PHASE 3 FRAME 364T NEMA B

TORQUE & CURRENT VS. SPEED

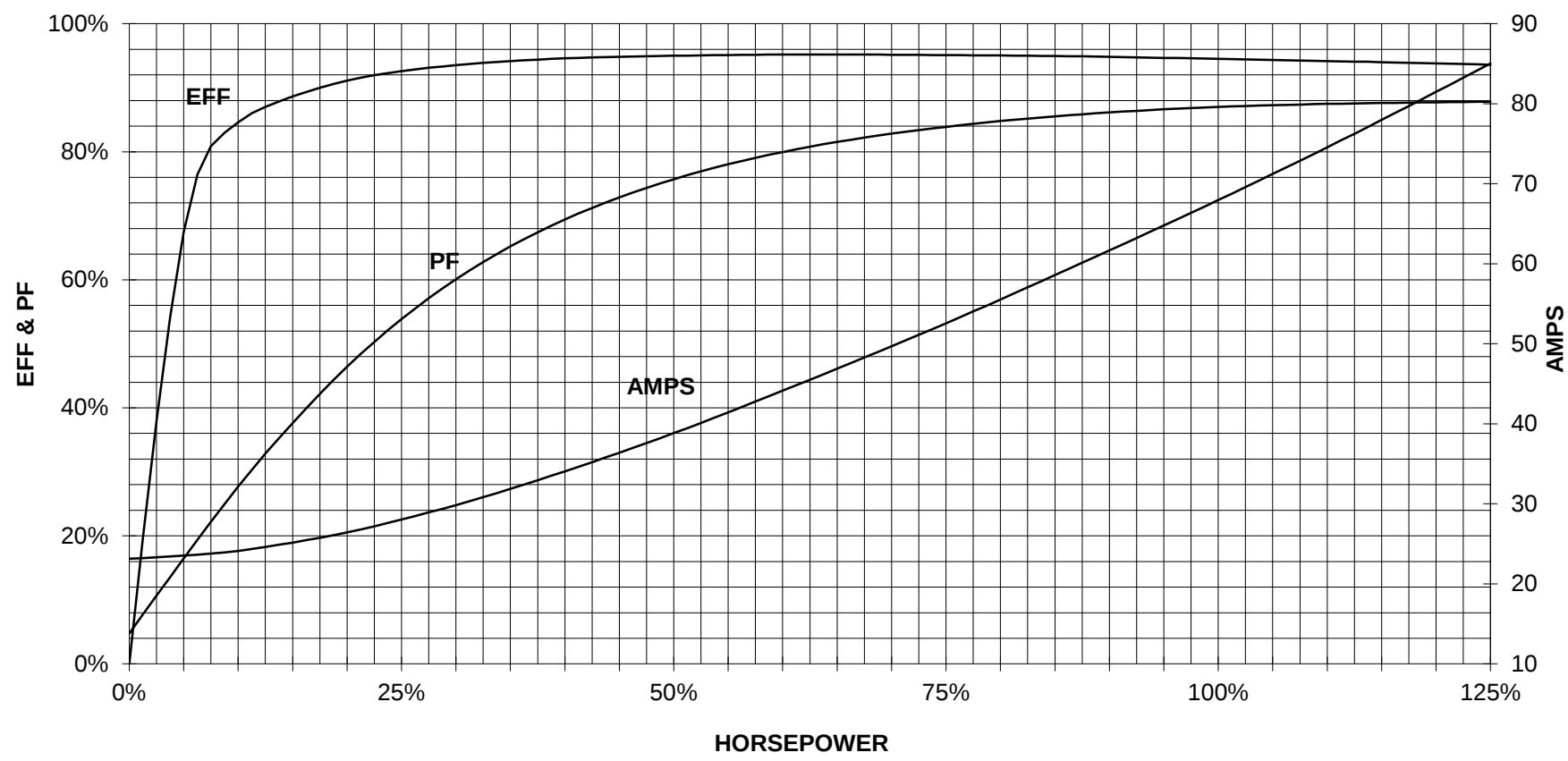


CUSTOMER: _____ ORDER#: _____

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

60 HP 1800 RPM 364T FRAME 460 VOLTS 3 PHASE NEMA DESIGN B

SIEMENS INDUSTRY, INC.
PERFORMANCE CURVE
GP100



CUSTOMER: _____ ORDER #: _____

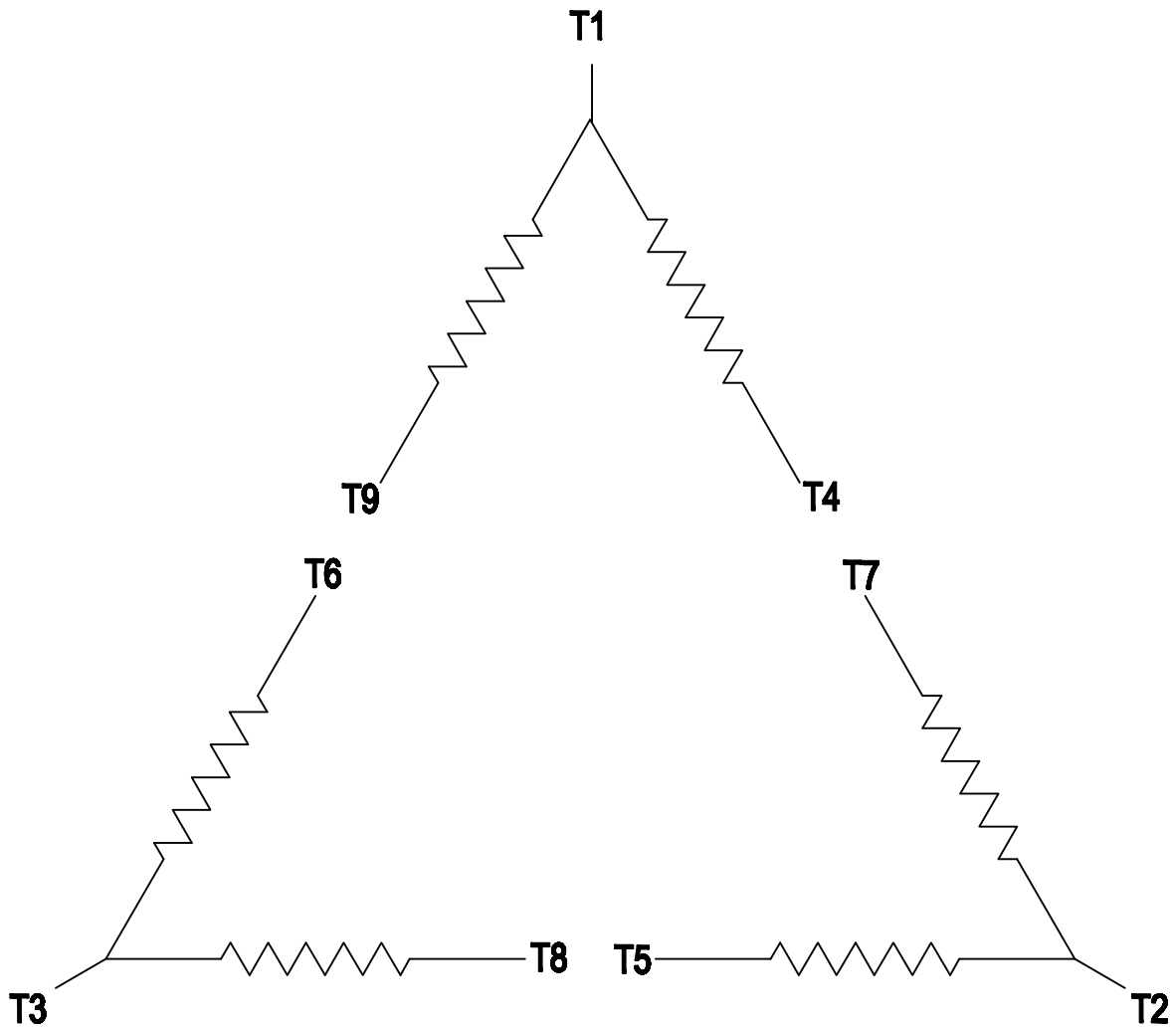
PERFORMANCE BASED ON DESIGN CALCULATIONS. SUBJECT TO CHANGE WITHOUT NOTICE.

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

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