

## NEMA Motor Data



Ordering data : **1LE2221-3AB11-6AA3**

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		
HP	40.0	Rating	Cont.
Voltage	(16) 230/460V, STD	Ins. Class	Class F (Standard)
Amps	92.0 / 46.0 A	S.F.	1.15
FL RPM	1780	Amb. Temp.	40 deg C
FL Efficiency	94.1 %	Temp. Rise	Class B
FRAME	324T	kVA Code	G
DE AFBMA	60BC03JP30	NEMA Des	B
ODE AFBMA	50BC02JPP30	Mtr WT	633.01
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		
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	DE	ODE
Bearing Size	6312 Z C3 S0	6210 ZZ C3 S0
Bearing Type	Ball Bearing	Ball Bearing
AFBMA	60BC03JP30	50BC02JPP30

Typical Performance Data					
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Load	No Load	1/2	3/4	Full Load	LRC
Efficiency		94.3 %	94.1 %	94.1 %	
Power Factor		75.0	83.0	86.0	
Current (A)	15.0 A	26.5 A	36.0 A	92.0 / 46.0	290.0 A
Inverter Duty	VT	20:1	CT	4:1	

Mechanical Data				
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SAFE STALL TIME	HOT (s)	22	COLD (s)	45
Rtr wt (lbs)	155.59	Rtr WK2	9.35	
FLT (lb-ft)	118.000	LRT	180	BDT 231
Ext Load Inertia (WK2) Capability	105.0 lb-ft <sup>2</sup>			

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	45	52	59	59	57	53	50	SPwrL	75

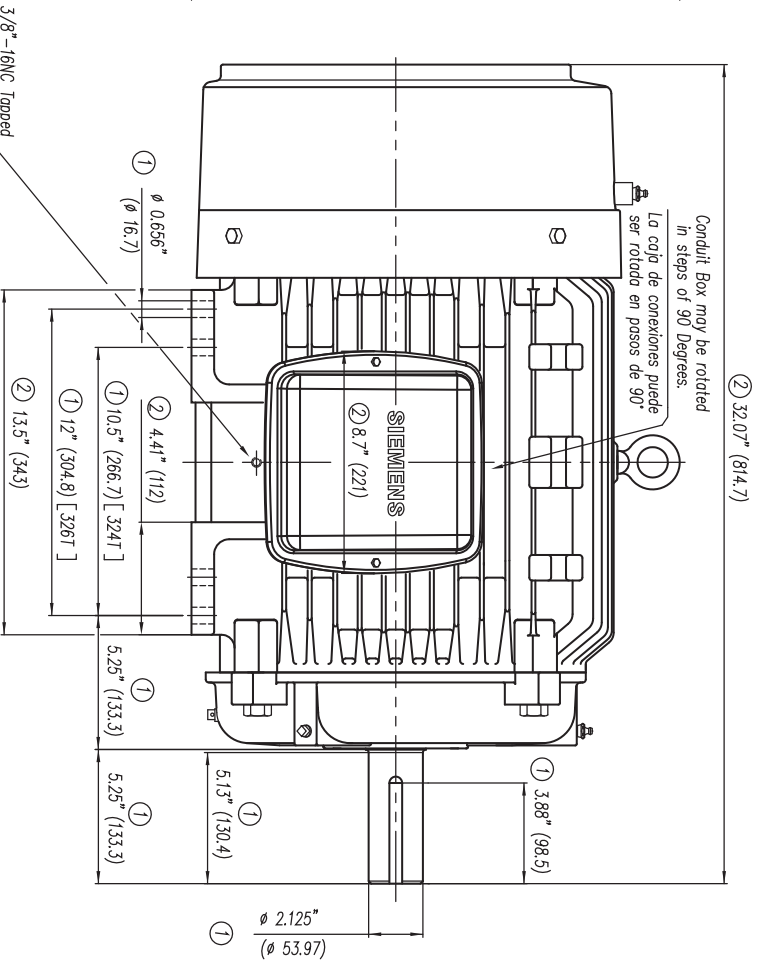
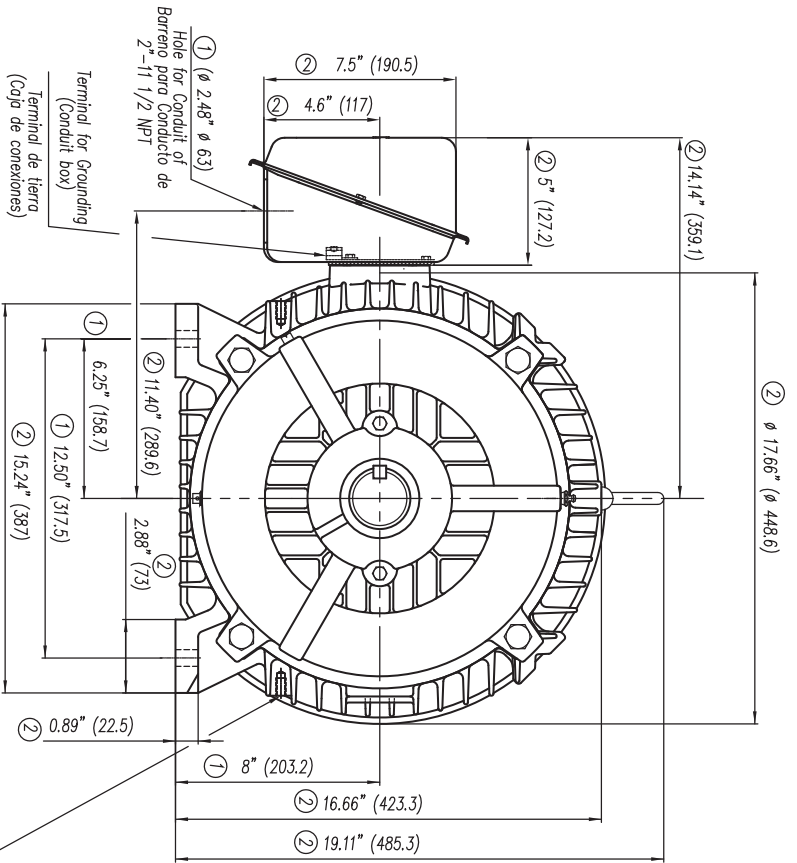
Wiring Connection Information					
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Description	3 PHASE - 9 LEAD - DELTA				
Voltage	L1	L2	L3	Connected together	
LOW	T1 T7 T6	T2 T8 T4	T3 T9 T5	-- -- --	
HIGH	T1	T2	T3	T4 T7-T5 T8-T6 T9	

Special design :
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Lubrication Information	
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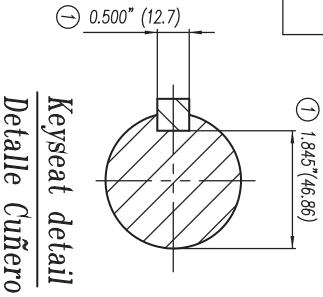
Manufacturer	Mobil Polyrex EM or equal
Type	Polyurea (standard)
DE Capacity (oz.)	-/-
ODEnd Capacity (oz.)	-/-



- 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		SAP/PROYECTO CLIENTE	
PROYECTO/COMPRA		TRANS/PRO	
IP	REV	FECHA/ISS	PARTE



3/8"-16NC Tapped Hole for Grounding Both sides of Frame (Resaca para Tierra en ambos lados)

Tol. in mm, acc. to/Tol. en mm. según DIN-1686-G1B-19		European Projection/Proyeccion Europea		Date/fecha		Type/GR100 mNP FRAME/ARM. 324/326T	
Over/desde	To/hasta	Dim. in inches/Dim. en pulg	Modific.	08/04/10	A. Perez	3MSE 720 1155	Scale/Escala W/O SIN
18	30 ± 4.5	18		08/04/10	A. Perez	3MSE 720 1410	1/1
30	50 ± 5	30					
50	80 ± 5.5	50					
80	120 ± 6	80					
120	180 ± 6.5	120					
180	250 ± 7	180					
250	315 ± 7.5	250					
315	400 ± 8	315					
400	500 ± 8.5	400					
500	630 ± 9.5	500					
630	800 ± 10	630					

**Outline/Dimensiones**  
Long Shaft/ Espiga Larga  
3MSE 720 1410

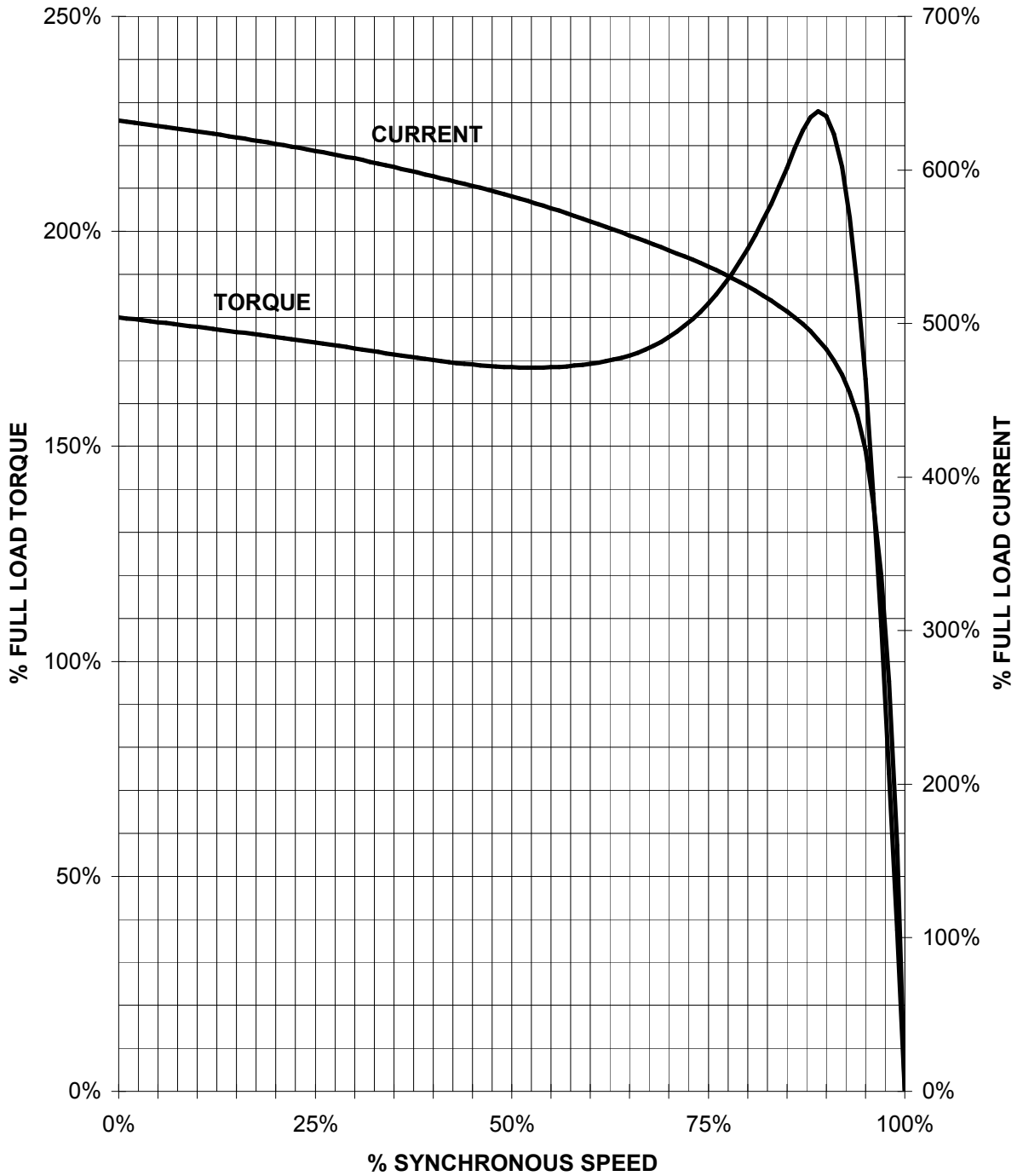
Ref: 3MSE 720 1155 Rep/ SBO

Scale/Escala W/O SIN 1/1

# SIEMENS INDUSTRY, INC.

HP 40    VOLTS < 600V    RPM 1800    TYPE GP100  
HZ 60    PHASE 3    FRAME 324T    NEMA B

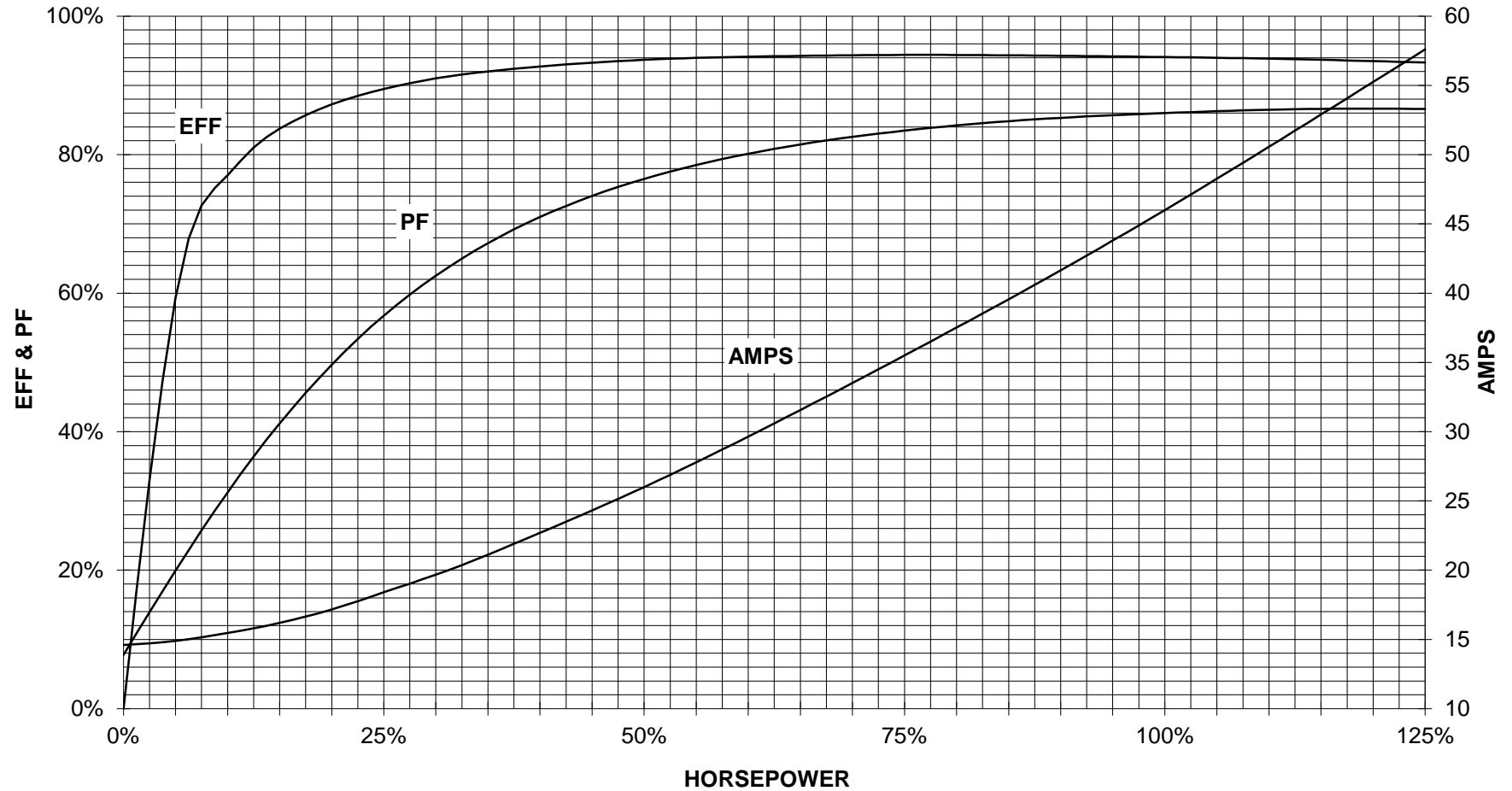
## TORQUE & CURRENT VS. SPEED



CUSTOMER: \_\_\_\_\_ ORDER#: \_\_\_\_\_

40 HP 1800 RPM 324T FRAME 460 VOLTS 3 PHASE NEMA DESIGN B

**SIEMENS INDUSTRY, INC.**  
**PERFORMANCE CURVE**  
**GP100**



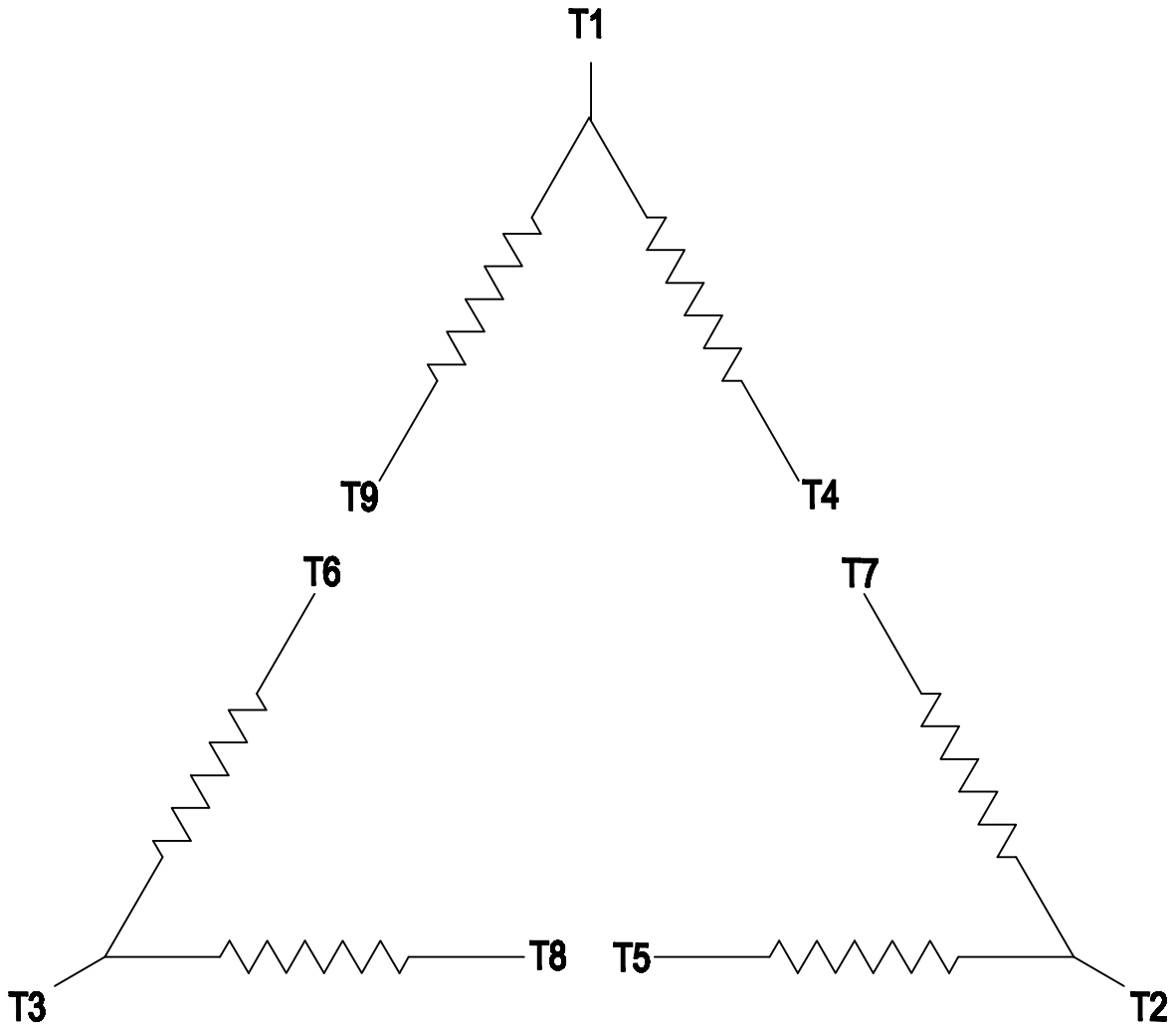
CUSTOMER: \_\_\_\_\_ ORDER #: \_\_\_\_\_

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

REV. 1

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**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	△

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					
VOLTS		RPM	HZ	PH 3		Customer			
DRAWN 9.24.07		DATE JRH		PO #		SO #			
CHECKED	DATE	APP		DATE	SHEET 1 OF 1	Sim. To	PART NO. 51-382-114-504	A	

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