

NEMA Motor Data



Ordering data : 1LE2121-2AA21-4AA3

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

Item no. :
Consignment no. :
Project :

Nameplate Data	Mounting and motor protection
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Type	GP100A - NEMA Premium Efficiency		
HP	10.0	Rating	Cont.
Voltage	(14) 208-230/460V,	Ins. Class	Class F (Standard)
Amps	23.0 / 11.5 A	S.F.	1.15
FL RPM	3515	Amb. Temp.	40 deg C
FL Efficiency	90.2 %	Temp. Rise	Class B
FRAME	215T	kVA Code	H
DE AFBMA	40BC02JPP30	NEMA Des	B
ODE AFBMA	40BC02JPP30	Mtr WT	113.10
60 Hertz	3 Ph	TEFC	IP 35

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

Typical Performance Data					
Load	No Load	1/2	3/4	Full Load	LRC
Efficiency		91.0 %	91.1 %	90.2 %	
Power Factor		81.5	88.8	90.3	
Current (A)	3.5 A	6.3 A	8.7 A	23.0 / 11.5	81.0 A
Inverter Duty	VT	20:1	CT	4:1	

Mechanical Data					
SAFE STALL TIME	HOT (s)	14	COLD (s)	28	
Rtr wt (lbs)	33.16	Rtr WK2	0.51		
FLT (lb-ft)	15.000	LRT	180	BDT	440
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	81
at 3 feet	46	62	76	76	76	71	61	SPw rL	90

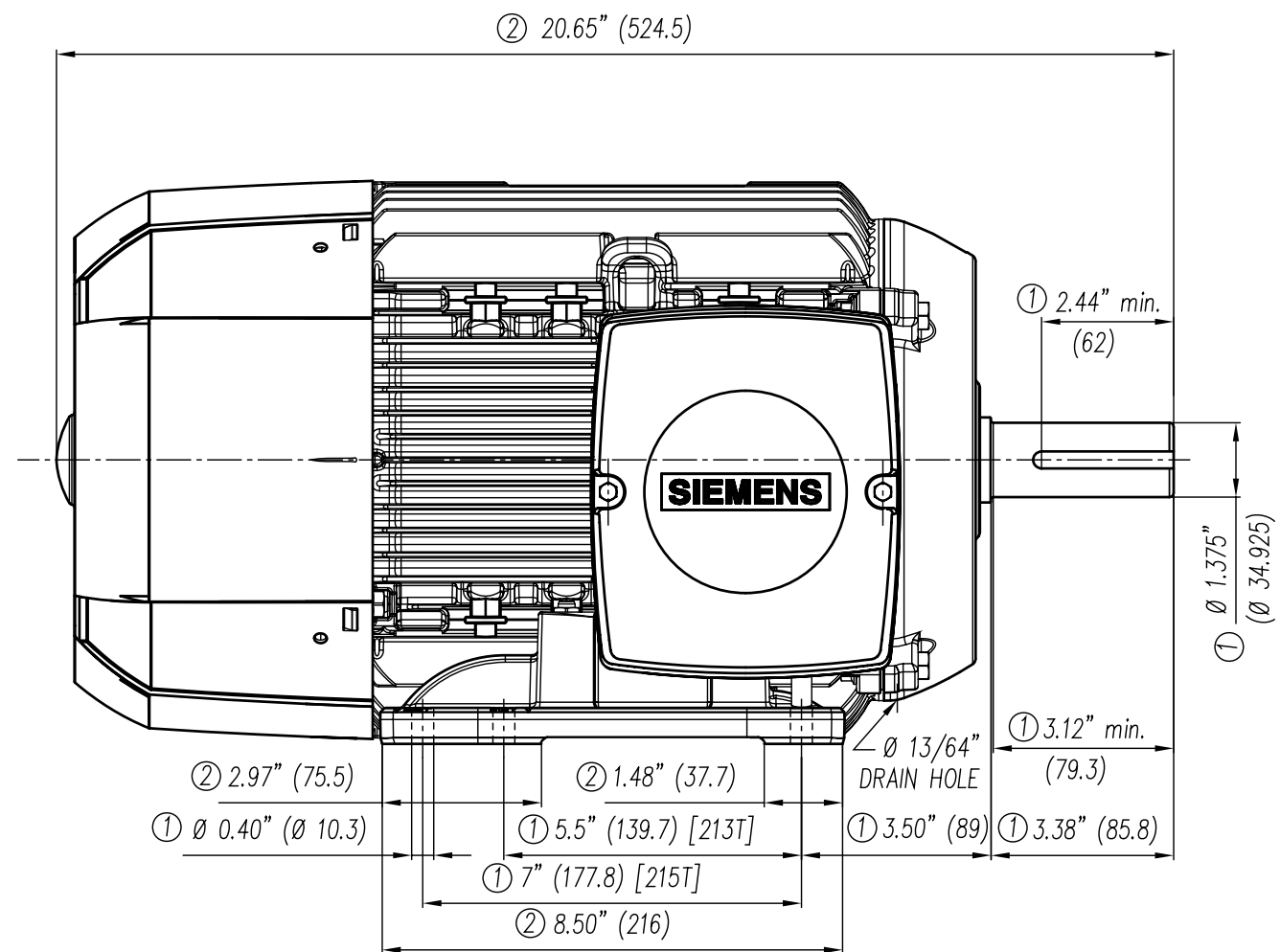
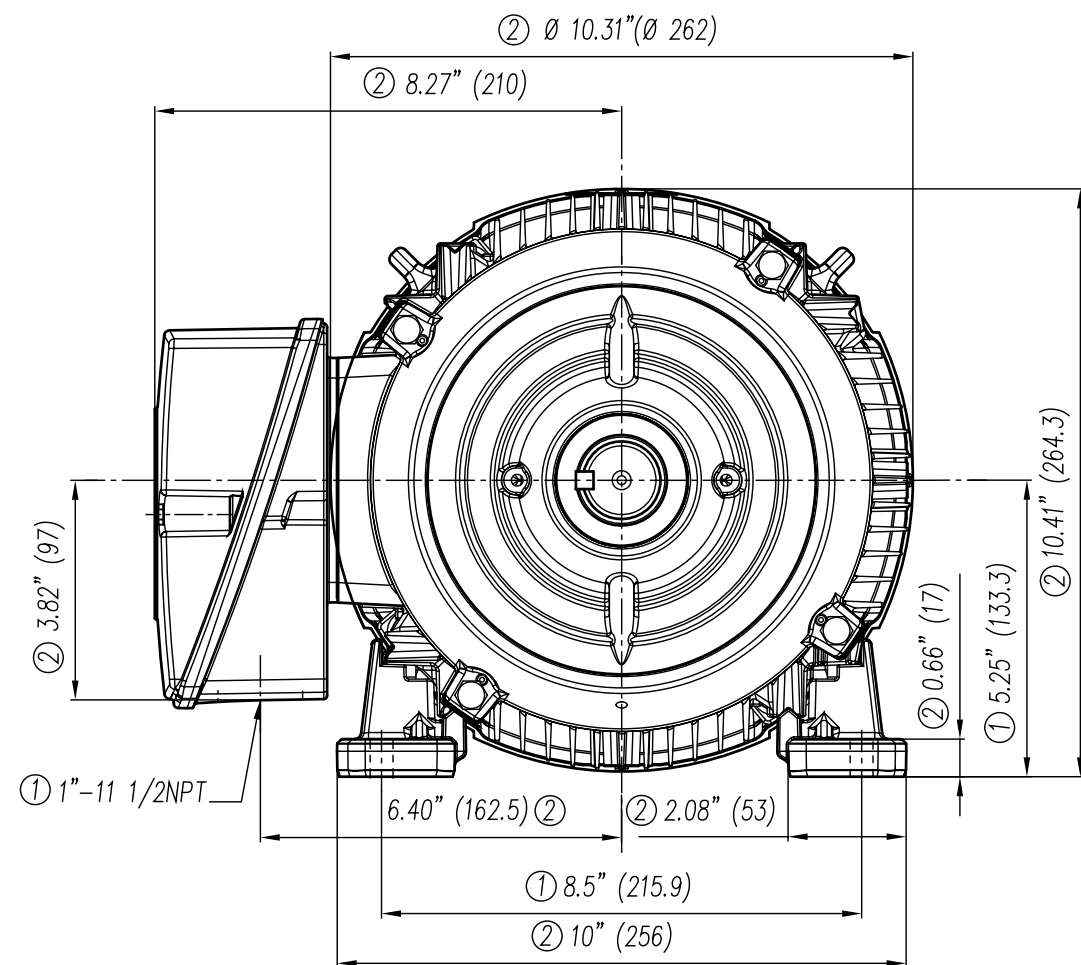
Wiring Connection Information				
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Special design :				
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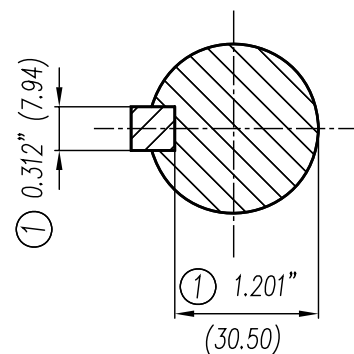
Description	3 PHASE - 9 LEAD - WYE				
Voltage	L1	L2	L3	Connected together	
LOW	T1 T7	T2 T8	T3 T9	T4 T5 T6	Y Y
HIGH	T1	T2	T3	T4 T7-T5 T8-T6 T9	Y

Lubrication Information				
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Manufacturer	Mobil Polyrex EM or equal
Type	Polyurea (standard)
DE Capacity (oz.)	0.30
ODEnd Capacity (oz.)	0.30



- 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.



Keyseat detail

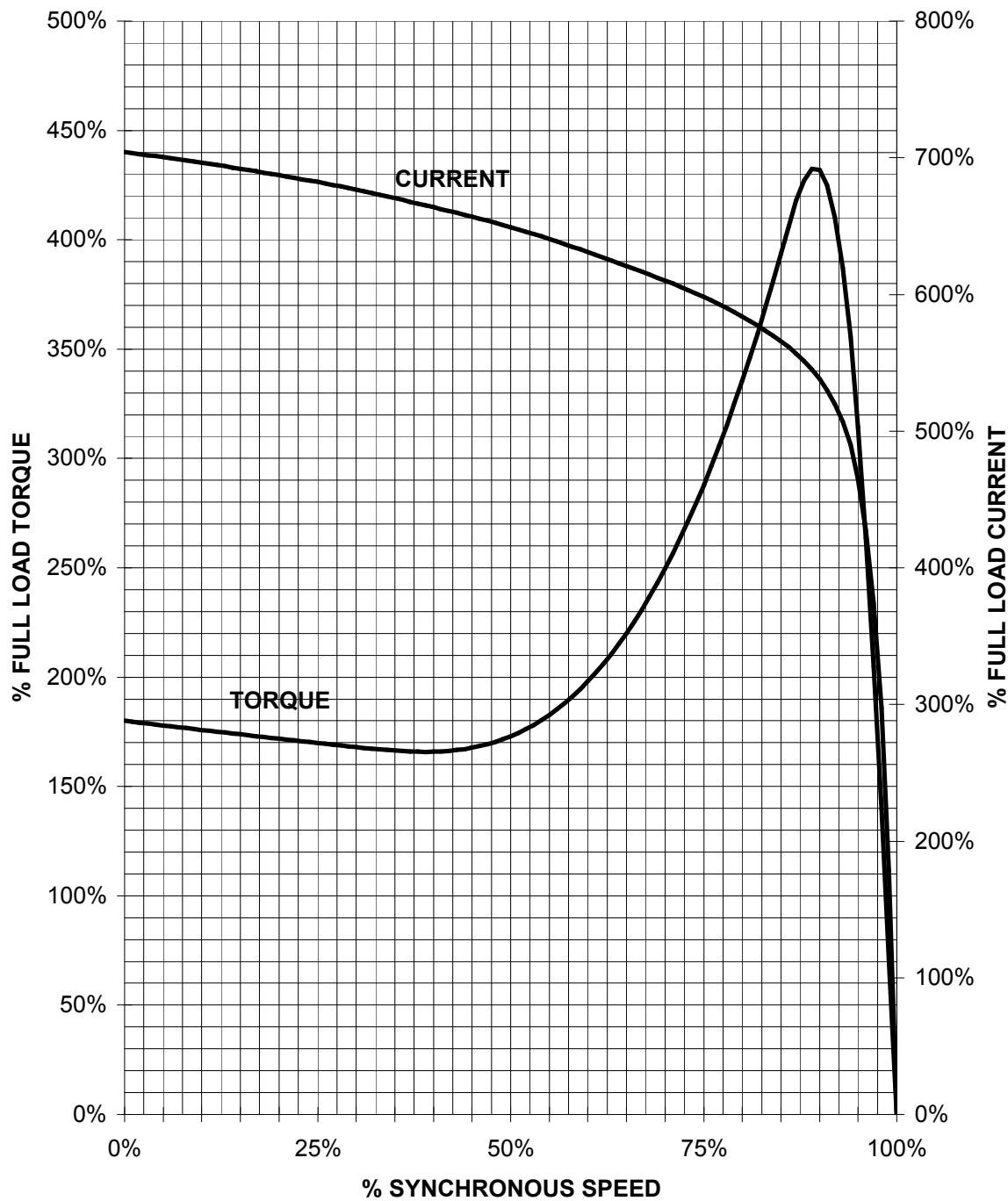
CERTIFIED PRINT						
CUSTOMER						
PO#		SO#				
HP	RPM	FRAME	TYPE	VOLTS	PH	HZ

Tolerance in mm. according to DIN-1686-GTB-19		Quantity				Parts and Measure		Drawing No. Norm No.		Item No.	Material	Weight Lbs.			
		04	03	02	01										
to 18	± 4.5							Modific.							
Over 18 to 30	± 4.7														
Over 30 to 50	± 5														
Over 50 to 80	± 5.5														
Over 80 to 120	± 6					Dimensions in inches (mm)									
Over 120 to 180	± 6.5						Date	Name	Dimension Drawing NEMA 1LE2 GP10A ONLY 10 HP - 2 & 4 Pol. NNM Type: 1LE2 GP100A 213/215T FRAME 2,4 y 6 Pol.				Scale W/O		
Over 180 to 250	± 7					Drawn	25/07/06	Fdo.Macias							
Over 250 to 315	± 7.5					Checked									
Over 315 to 400	± 8					Std. Ckd.							2 / 2		
Over 400 to 500	± 8.5					SIEMENS GUADALAJARA FACTORY					3MSE 222 0870				
Over 500 to 630	± 9.5														
Over 630 to 800	± 10														
Remark							Ref. 3MSE 222 0850		Replace.						

SIEMENS INDUSTRY, INC.

HP 10 VOLTS < 600V RPM 3600 TYPE GP100A
HZ 60 PHASE 3 FRAME 215T NEMA B

TORQUE & CURRENT VS. SPEED

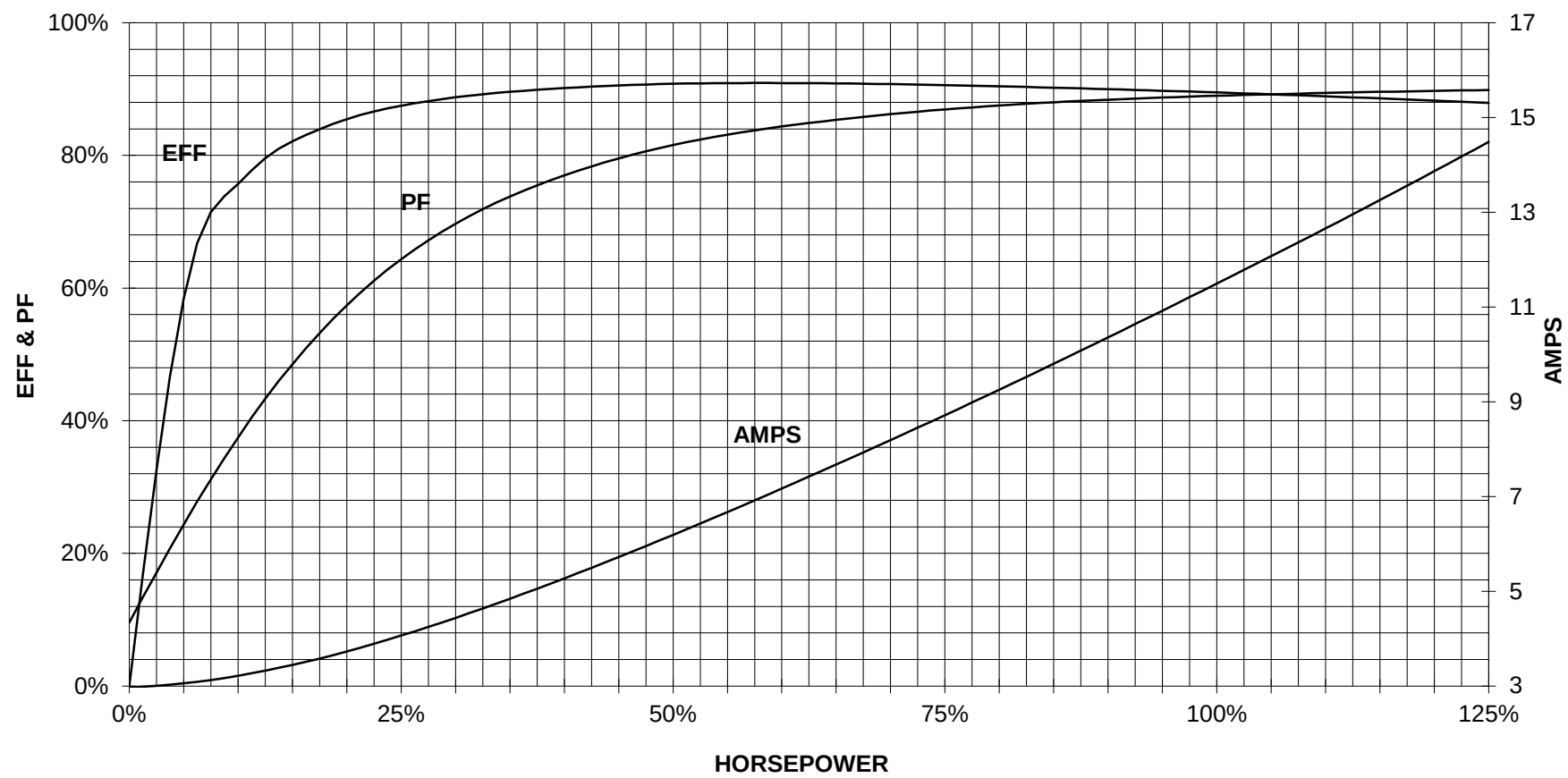


CUSTOMER: ORDER#:

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

10 HP 3600 RPM 215 FRAME 460 VOLTS 3 PHASE NEMA DESIGN B

SIEMENS INDUSTRY, INC.
PERFORMANCE CURVE
GP100A NP

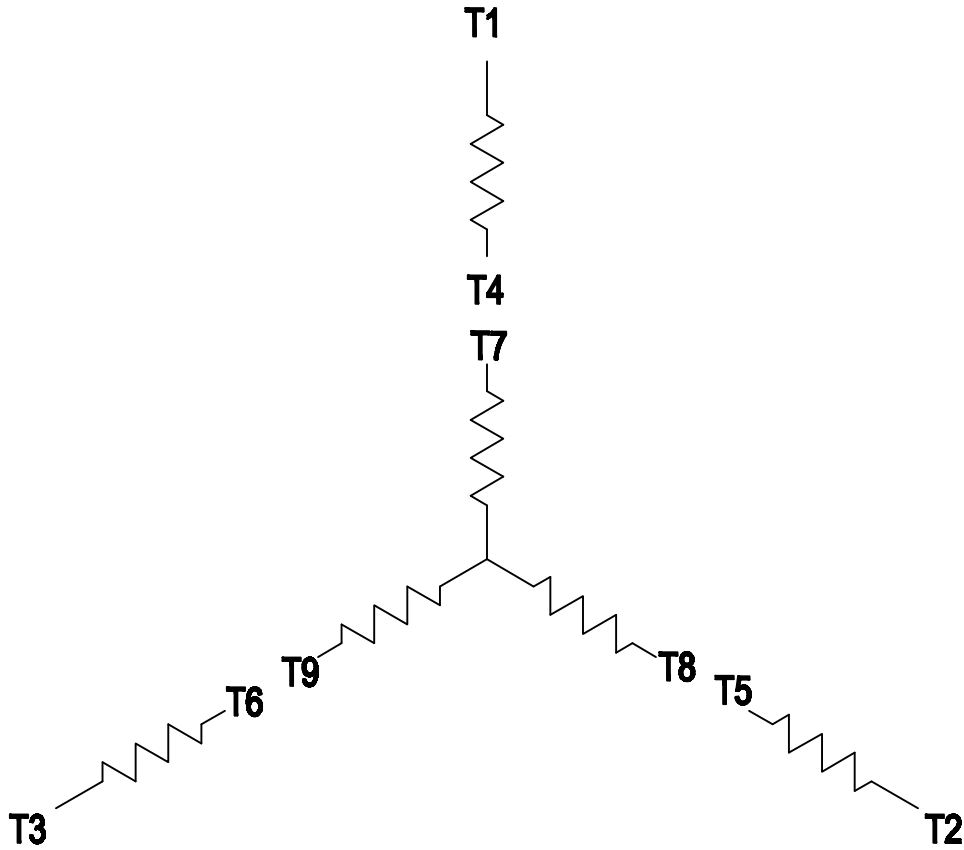


CUSTOMER _____ ORDER # _____ PO # _____

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

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

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.

51-382-114-501

A