



NEMA Motor Data

Ordering data : 1LE2121-1AA31-4AA3

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	2.0	Rating	Cont.		
Voltage	(14) 208-230/460V,	Ins. Class	Class F (Standard)		
Amps	5.0 / 2.5 A	S.F.	1.15		
FL RPM	3515	Amb. Temp.	40 deg C		
FL Efficiency	85.5 %	Temp. Rise	Class B		
FRAME	145T	kVA Code	L		
DE AFBMA	25BC02JPP30	NEMA Des	B		
ODE AFBMA	25BC02JPP30	Mtr WT	37.92		
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	6205 ZZ C3 S0	6205 ZZ C3 S0
Bearing Type	Ball Bearing	Ball Bearing
AFBMA	25BC02JPP30	25BC02JPP30

Typical Performance Data					
Load	No Load	1/2	3/4	Full Load	LRC
Efficiency		84.0 %	85.7 %	85.5 %	
Power Factor		69.0	81.3	87.6	
Current (A)	1.2 A	1.6 A	2.0 A	5.0 / 2.5 A	23.0 A
Inverter Duty	VT	20:1	CT	4:1	

Mechanical Data					
SAFE STALL TIME	HOT (s)	13	COLD (s)	18	
Rtr wt (lbs)	8.86	Rtr WK2	0.06		
FLT (lb-ft)	2.900	LRT	255	BDT	431
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	74
at 3 feet	32	52	69	70	67	60	51	SPw rL	83

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

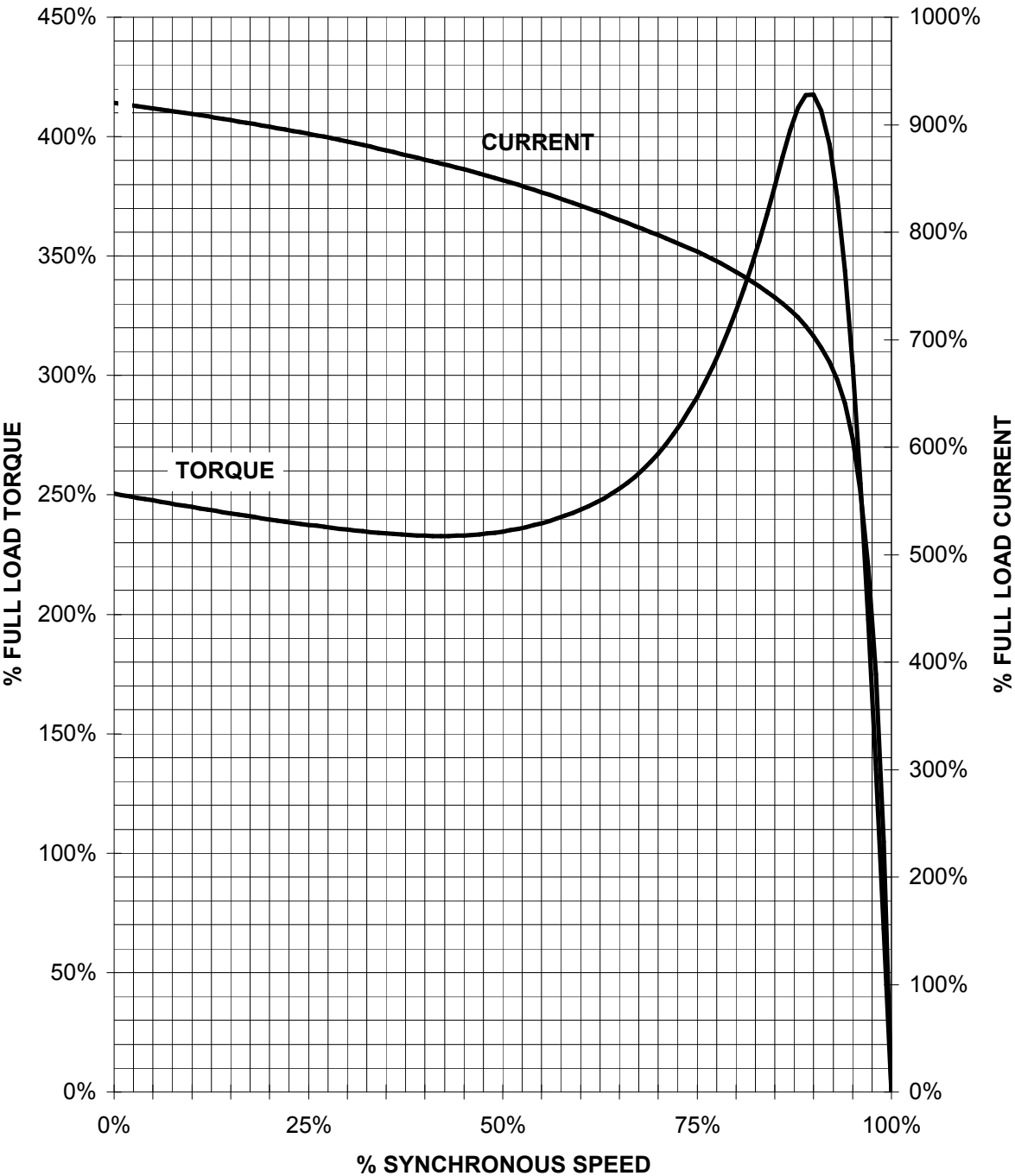
Lubrication Information					
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Manufacturer	Mobil Polyrex EM or equal
Type	Polyurea (standard)
DE Capacity (oz.)	0.10
ODEnd Capacity (oz.)	0.10

SIEMENS INDUSTRY, INC.

HP 2 VOLTS < 600V RPM 3600 TYPE GP100A
HZ 60 PHASE 3 FRAME 145T NEMA B

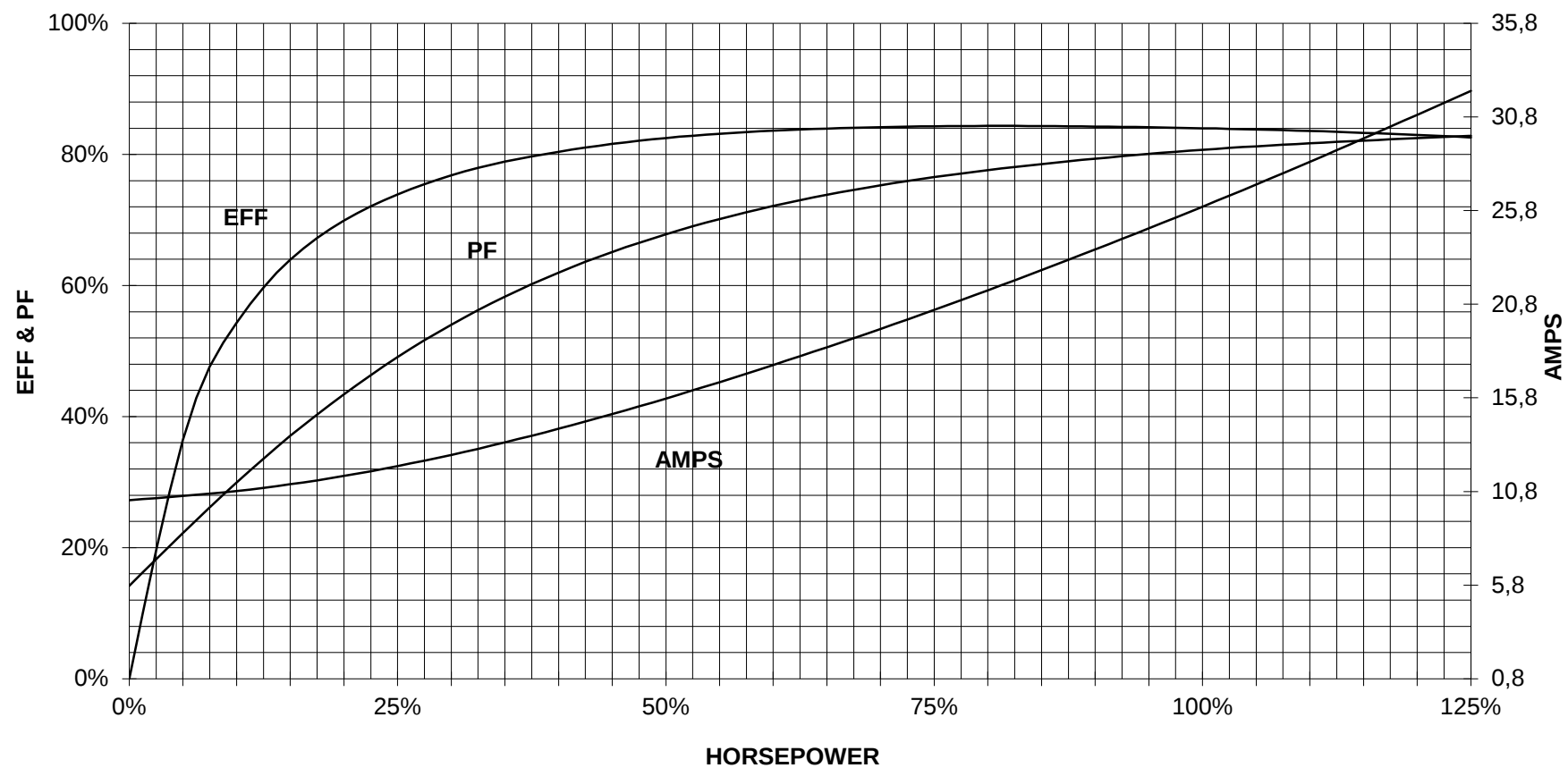
TORQUE & CURRENT VS. SPEED



CUSTOMER: _____ ORDER#: _____

2 HP 3600 RPM 145 FRAME 460 VOLTS 3 PHASE NEMA DESIGN B

SIEMENS INDUSTRY, INC.
PERFORMANCE CURVE
GP100A NP

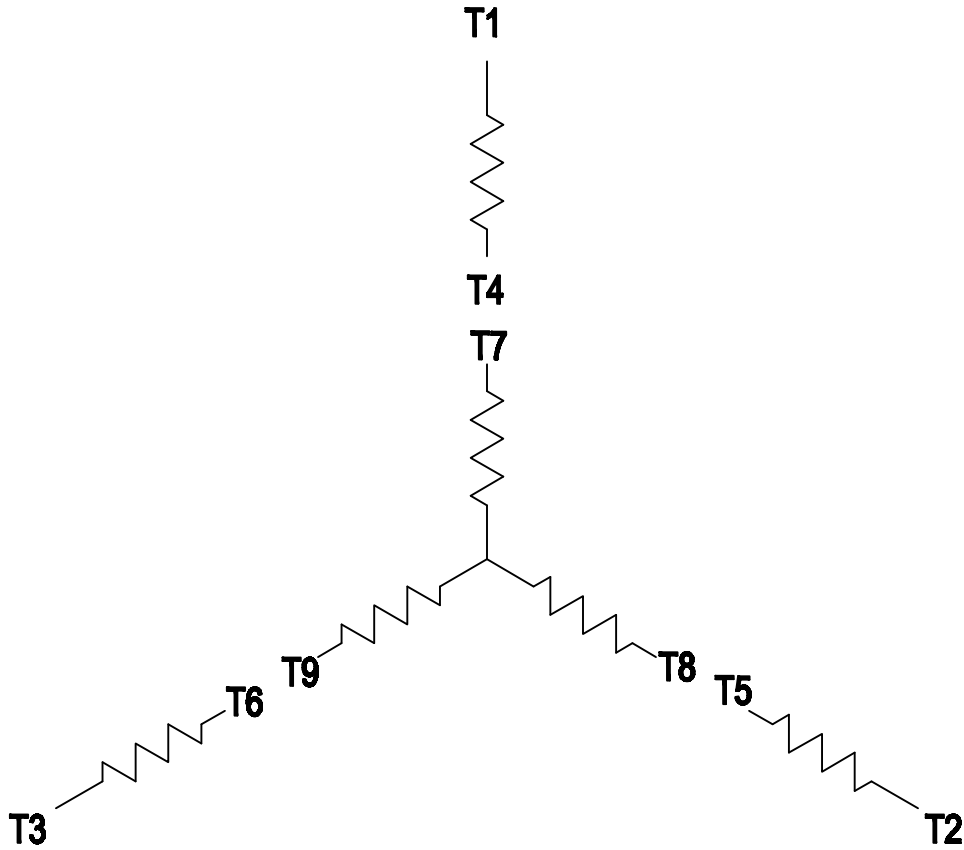


CUSTOMER _____ ORDER # _____ PO # _____

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

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