

## NEMA Motor Data



Ordering data : **1LE2121-1AB41-4AA3**

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	5.6 / 2.8 A	S.F.	1.15
FL RPM	1740	Amb. Temp.	40 deg C
FL Efficiency	86.5 %	Temp. Rise	Class B
FRAME	145T	kVA Code	L
DE AFBMA	25BC02JPP30	NEMA Des	B
ODE AFBMA	25BC02JPP30	Mtr WT	46.08
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		
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	DE	ODE
Bearing Size	6205 ZZ C3 S0	6205 ZZ C3 S0
Bearing Type	Ball Bearing	Ball Bearing
AFBMA	25BC02JPP30	25BC02JPP30

Typical Performance Data					
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Load	No Load	1/2	3/4	Full Load	LRC
Efficiency		86.0 %	87.2 %	86.5 %	
Power Factor		57.8	70.8	77.3	
Current (A)	1.5 A	1.9 A	2.3 A	5.6 / 2.8 A	24.0 A
Inverter Duty	VT	20:1	CT	4:1	

Mechanical Data					
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SAFE STALL TIME	HOT (s)	14	COLD (s)	22
Rtr wt (lbs)	14.79	Rtr WK2	0.17	
FLT (lb-ft)	6.000	LRT	322	BDT 393
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	55	
at 3 feet	28	45	47	52	49	43	35	SPwrL	64	

Wiring Connection Information					
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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

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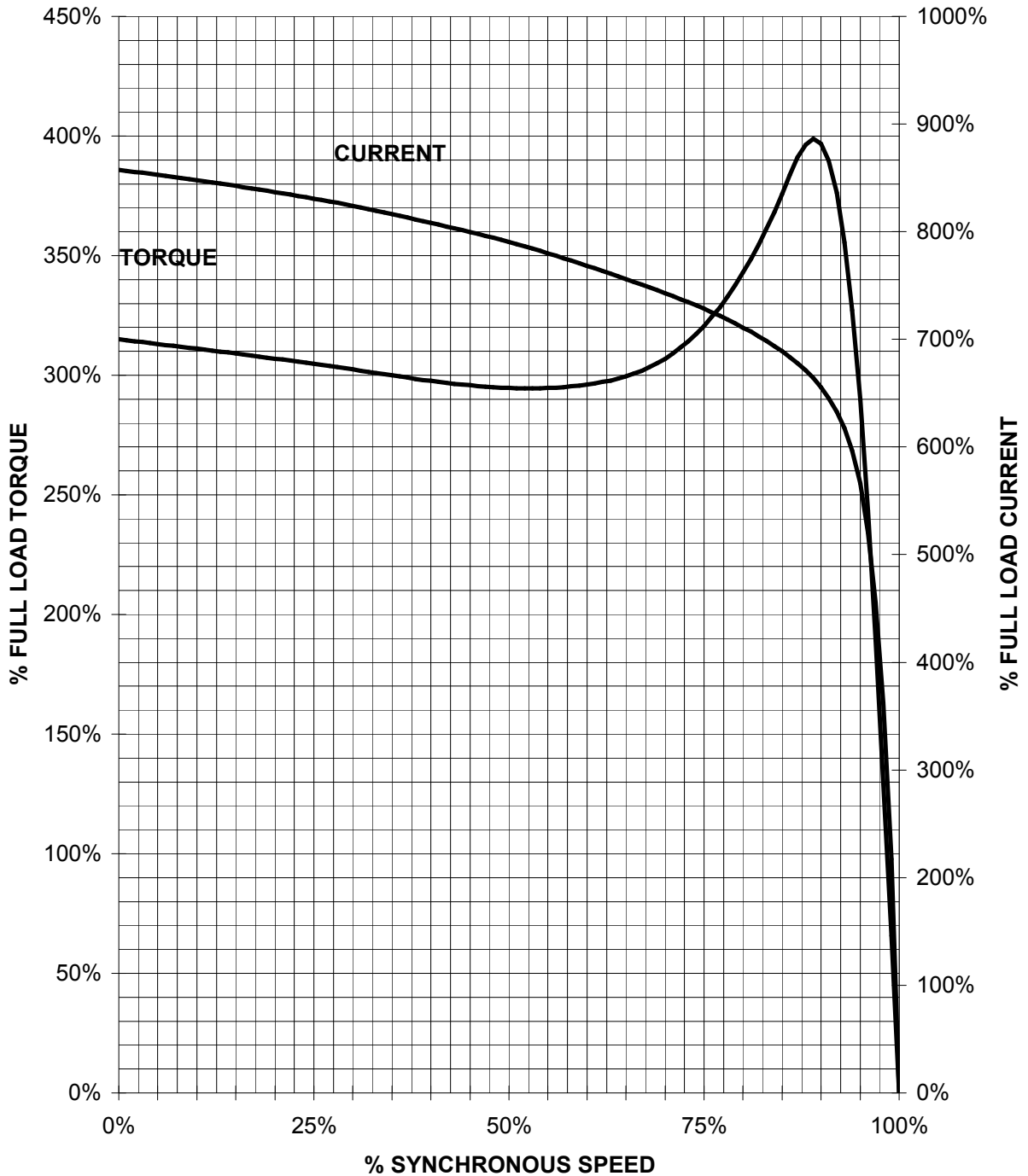
Manufacturer	Mobil Polyrex EM or equal
Type	Polyurea (standard)
DE Capacity (oz.)	0.10
ODEnd Capacity (oz.)	0.10



# SIEMENS INDUSTRY, INC.

HP 2 VOLTS < 600V RPM 1800 TYPE GP100A  
HZ 60 PHASE 3 FRAME 145T NEMA B

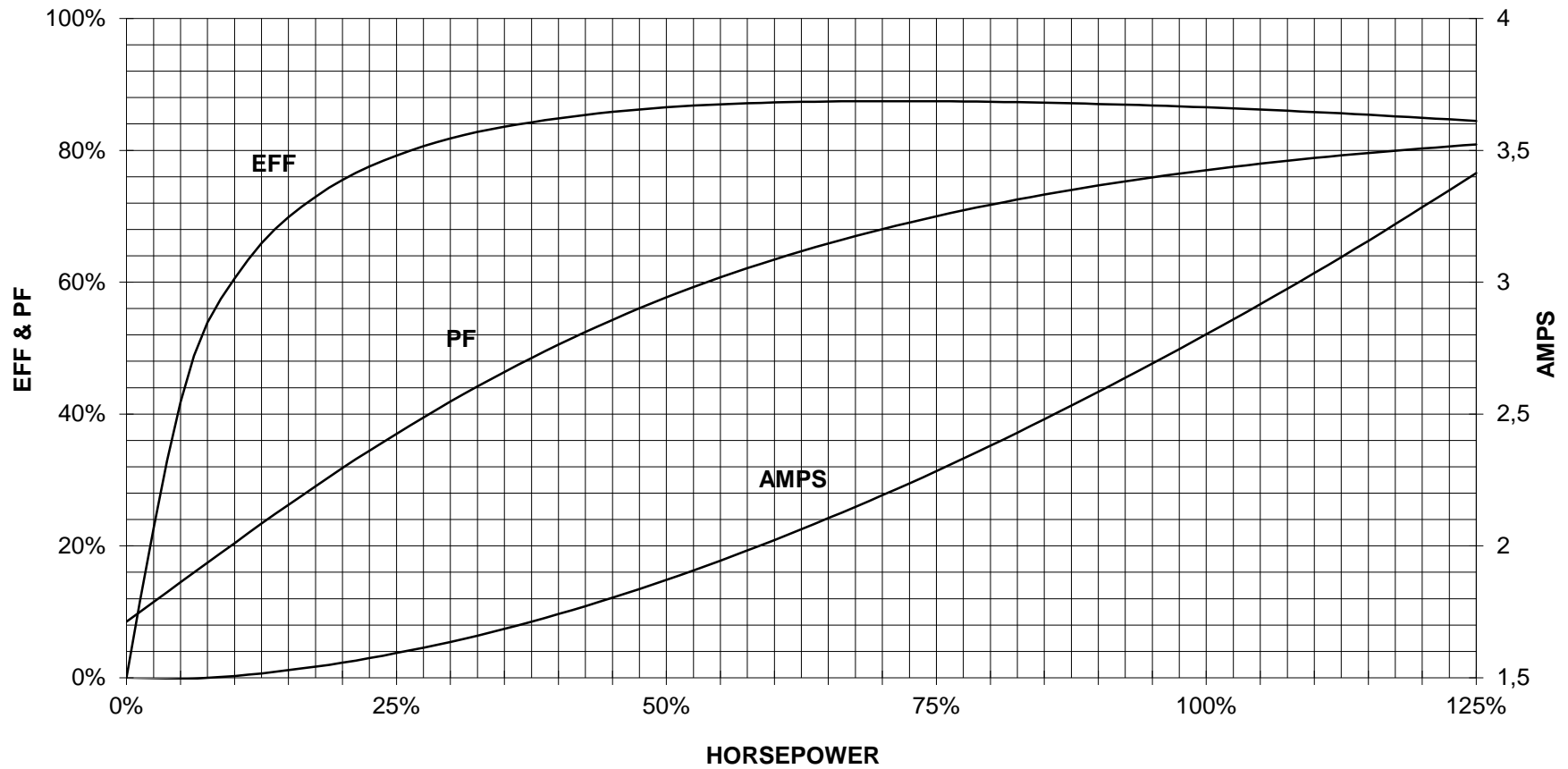
## TORQUE & CURRENT VS. SPEED



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

2 HP 1800 RPM 145 FRAME 460 VOLTS 3 PHASE NEMA DESIGN B

**SIEMENS INDUSTRY, INC.**  
**PERFORMANCE CURVE**  
**GP100A NP**



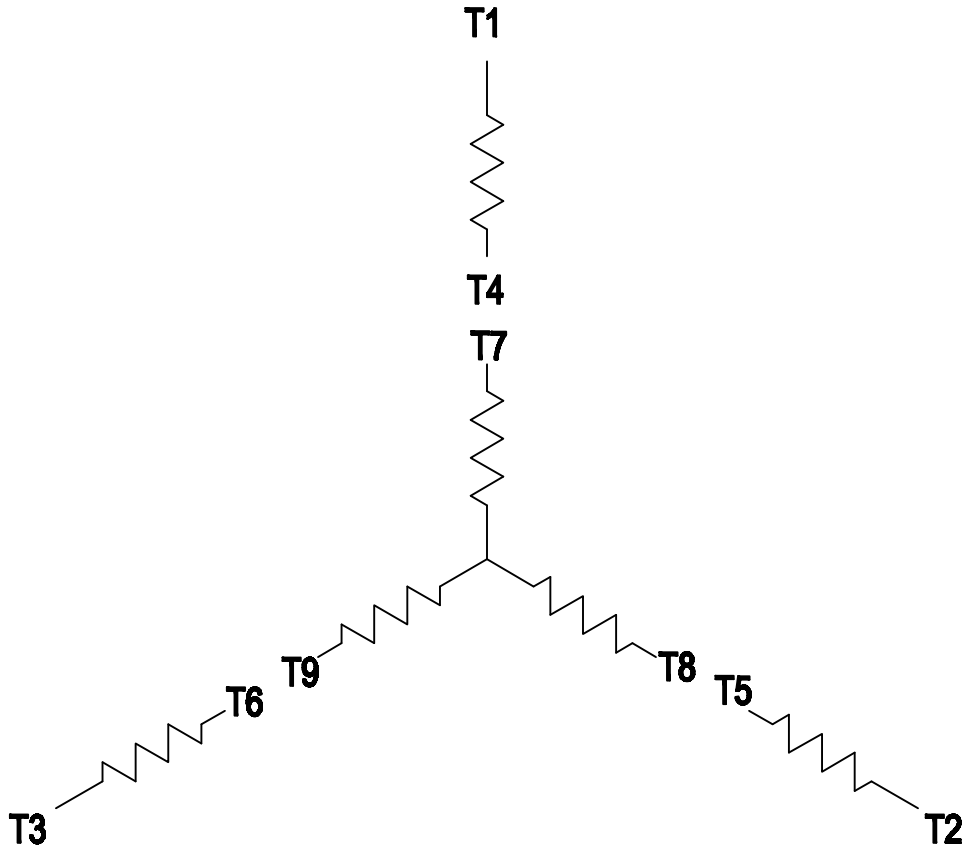
CUSTOMER \_\_\_\_\_ ORDER # \_\_\_\_\_ PO # \_\_\_\_\_

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

REV. 1

### 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

VOLTS

RPM

HZ

PH

3

Customer

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