

NEMA Motor Data



Ordering data : **1LE2221-4EB11-2AA3**

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	125.0	Rating	Cont.
Voltage	(12) 460V STD, 60Hz	Ins. Class	Class F (Standard)
Amps	143.0 A	S.F.	1.15
FL RPM	1785	Amb. Temp.	40 deg C
FL Efficiency	95.4 %	Temp. Rise	Class B
FRAME	B444T	kVA Code	G
DE AFBMA	90BC03JP30	NEMA Des	B
ODE AFBMA	80BC02JPP30	Mtr WT	1552.03
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	6318 Z C3 S0	6216 ZZ C3 S0
Bearing Type	Ball Bearing	Ball Bearing
AFBMA	90BC03JP30	80BC02JPP30

Typical Performance Data					
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Load	No Load	1/2	3/4	Full Load	LRC
Efficiency		95.4 %	95.6 %	95.4 %	
Power Factor		78.0	84.0	86.0	
Current (A)	45.0 A	78.6 A	109.3 A	143.0 A	908.0 A
Inverter Duty	VT	20:1	CT	4:1	

Mechanical Data				
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SAFE STALL TIME	HOT (s)	20	COLD (s)	25
Rtr wt (lbs)	345.26	Rtr WK2	24.6	
FLT (lb-ft)	368.000	LRT	160	BDT 200
Ext Load Inertia (WK2) Capability	105.0 lb-ft ²			

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	75
at 3 feet	53	64	73	68	66	61	51	SPwrL	86

Wiring Connection Information					
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Description	3 PHASE - 3 LEAD - DELTA				
Voltage	L1	L2	L3	Connected together	
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-----	T1	T2	T3	-----	Δ

Special design :

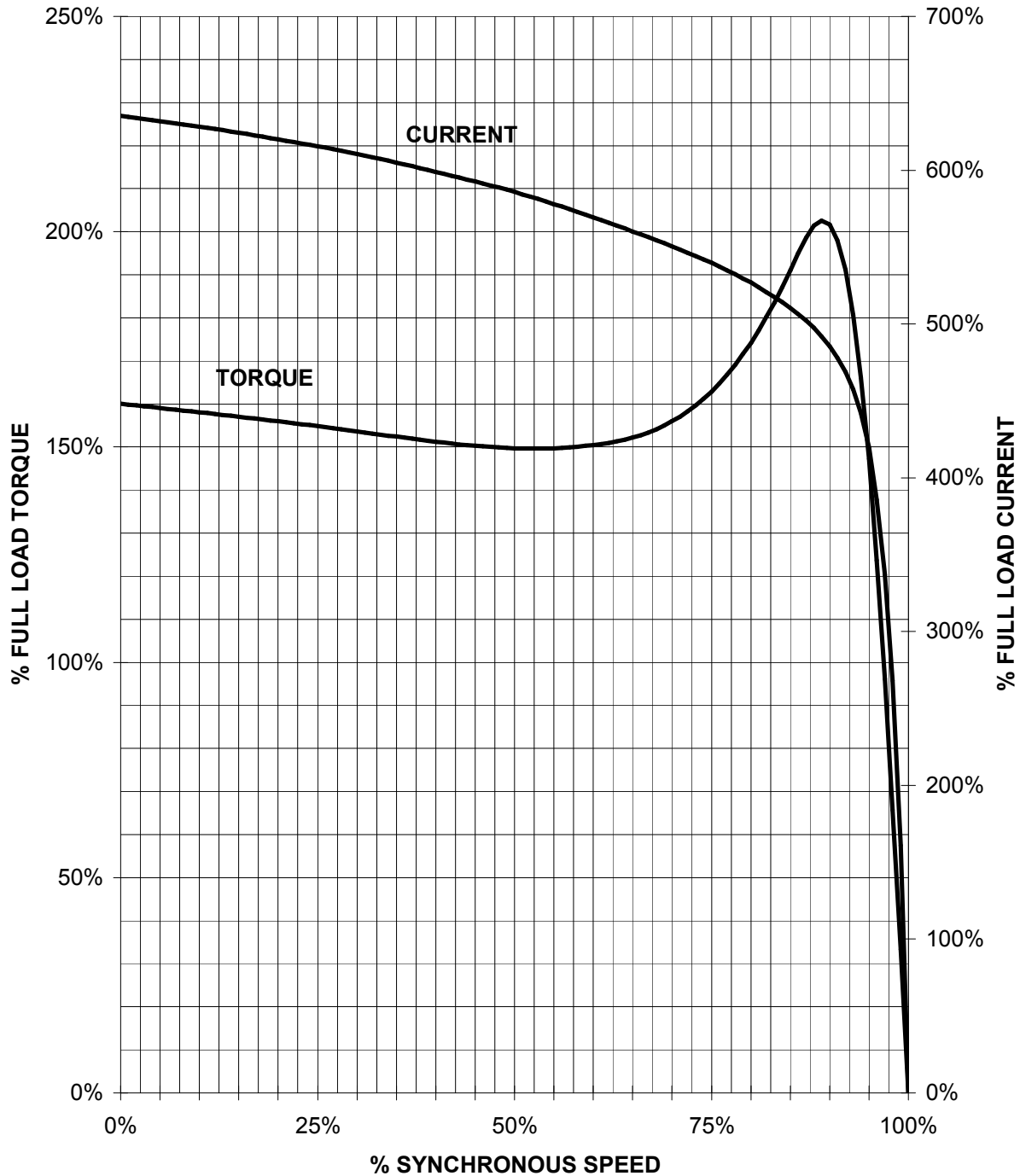
Lubrication Information	
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Manufacturer	Mobil Polyrex EM or equal
Type	Polyurea (standard)
DE Capacity (oz.)	10.40
ODEnd Capacity (oz.)	7.50

SIEMENS INDUSTRY, INC.

HP 125 VOLTS < 600V RPM 1800 TYPE GP100
HZ 60 PHASE 3 FRAME B444T NEMA B

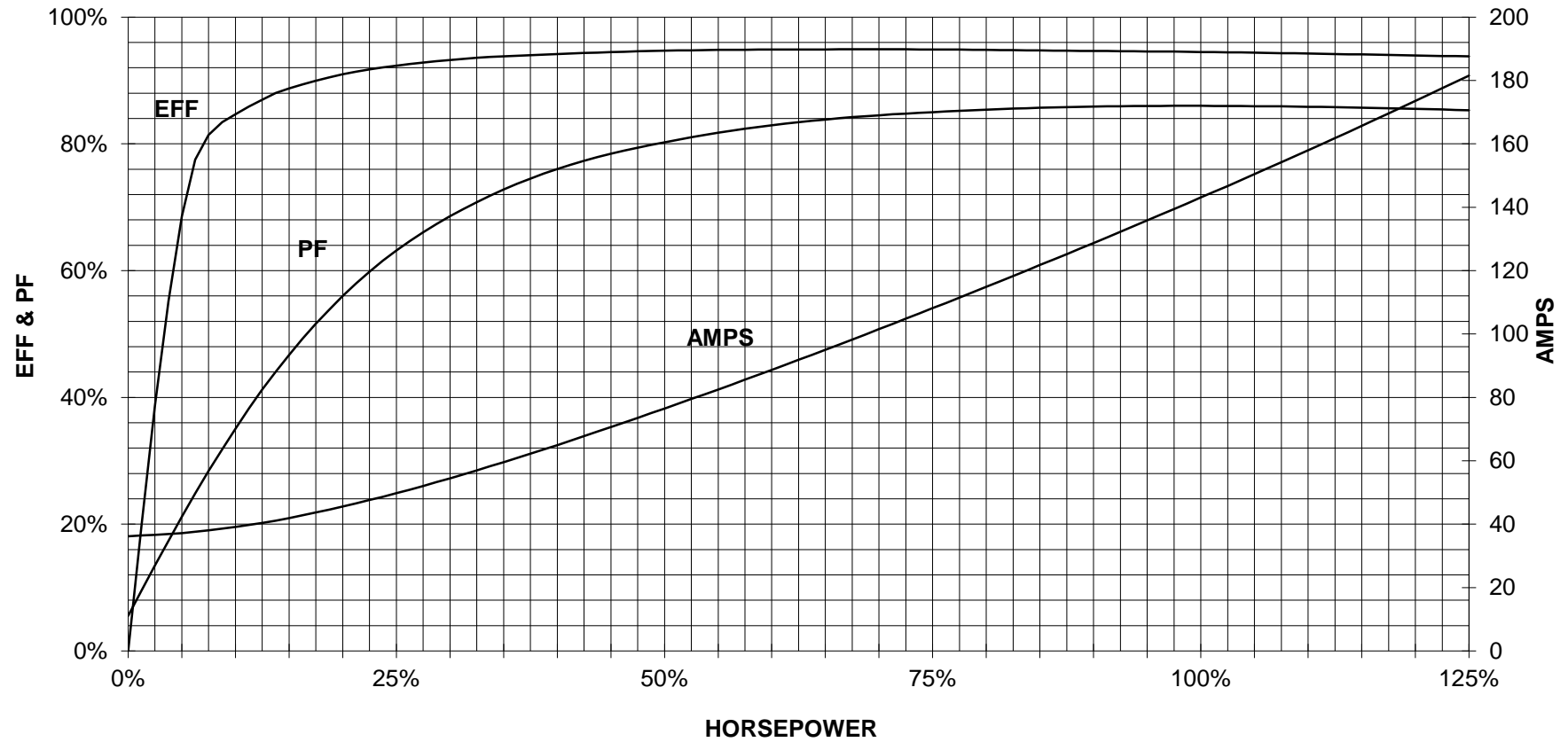
TORQUE & CURRENT VS. SPEED



CUSTOMER: _____ ORDER#: _____

125 HP 1800 RPM B444T FRAME 460 VOLTS 3 PHASE NEMA DESIGN B

SIEMENS INDUSTRY, INC.
PERFORMANCE CURVE
GP100



CUSTOMER _____ ORDER # _____ PO # _____

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

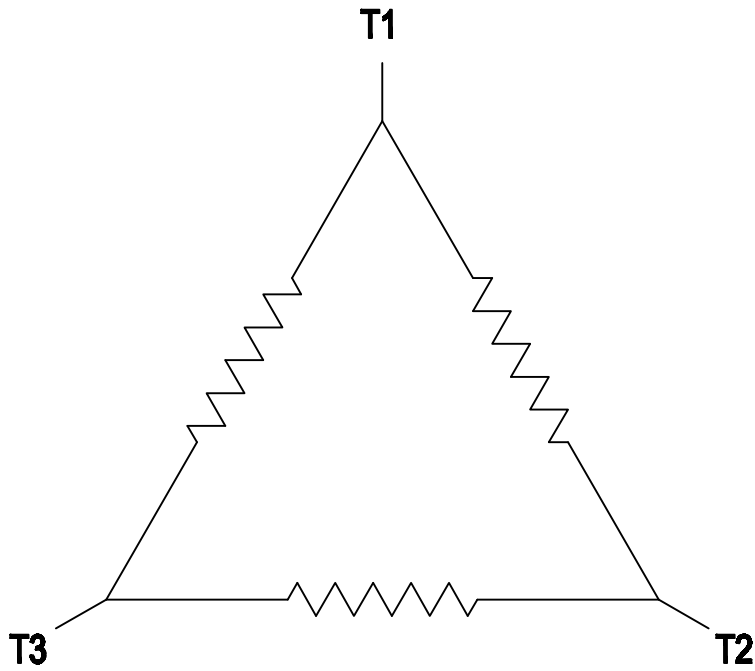
REV. 1

2

1

3 PHASE - 3 LEADS - DELTA

L1	L2	L3	CONN.
T1	T2	T3	△



B

B

A

A

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

DRAWN 9.24.07

DATE JRH

CHECKED

DATE

APP

DATE

SHEET

1 OF 1

Sim. To

PART NO.

51-382-114-504

A

2

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