



NEMA Motor Data

Ordering data : 1LE2221-4EB21-2AA3

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	150.0	Rating	Cont.
Voltage	(12) 460V STD, 60Hz	Ins. Class	Class F (Standard)
Amps	170.0 A	S.F.	1.15
FL RPM	1785	Amb. Temp.	40 deg C
FL Efficiency	95.8 %	Temp. Rise	Class B
FRAME	B445T	kVA Code	G
DE AFBMA	90BC03JP30	NEMA Des	B
ODE AFBMA	80BC02JPP30	Mtr WT	1827.03
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		
	DE	ODE
Bearing Size	6318 Z C3 S0	6216 ZZ C3 S0
Bearing Type	Ball Bearing	Ball Bearing
AFBMA	90BC03JP30	80BC02JPP30

Typical Performance Data					
Load	No Load	1/2	3/4	Full Load	LRC
Efficiency		95.7 %	96.0 %	95.8 %	
Power Factor		78.0	84.0	86.0	
Current (A)	52.0 A	94.1 A	130.6 A	170.0 A	1085.0 A
Inverter Duty	VT	20:1	CT	4:1	

Mechanical Data					
SAFE STALL TIME	HOT (s)	20	COLD (s)	30	
Rtr wt (lbs)	468.49	Rtr WK2	44.9		
FLT (lb-ft)	441.000	LRT	150	BDT	200
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	73
at 3 feet	54	64	70	67	66	59	49	SPwrL	84

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

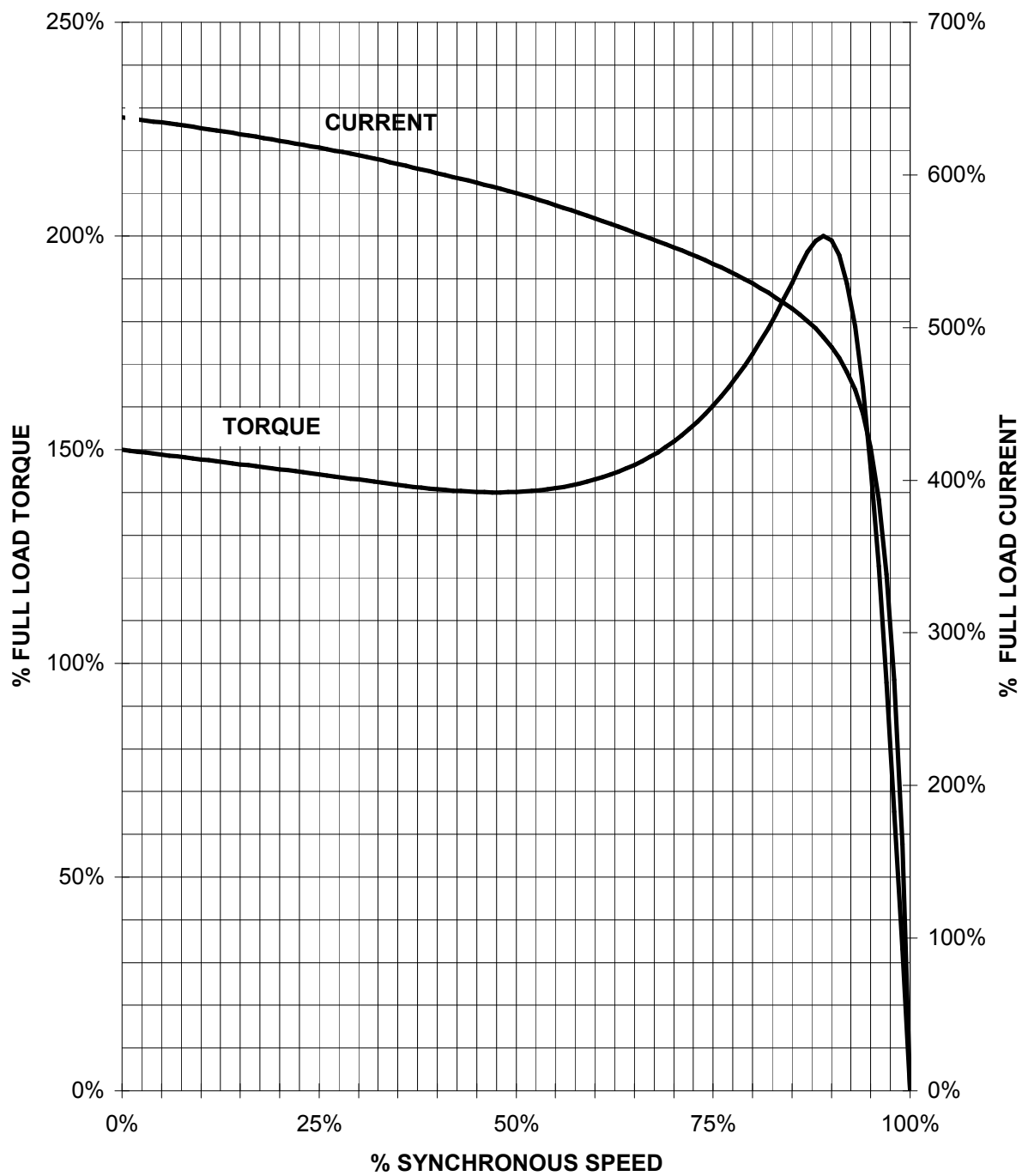
Lubrication Information	
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Manufacturer	Mobil Polyrex EM or equal
Type	Polyurea (standard)
DE Capacity (oz.)	10.40
ODEnd Capacity (oz.)	7.50

SIEMENS INDUSTRY, INC.

HP 150 VOLTS < 600V RPM 1800 TYPE GP100
HZ 60 PHASE 3 FRAME B445T NEMA B

TORQUE & CURRENT VS. SPEED

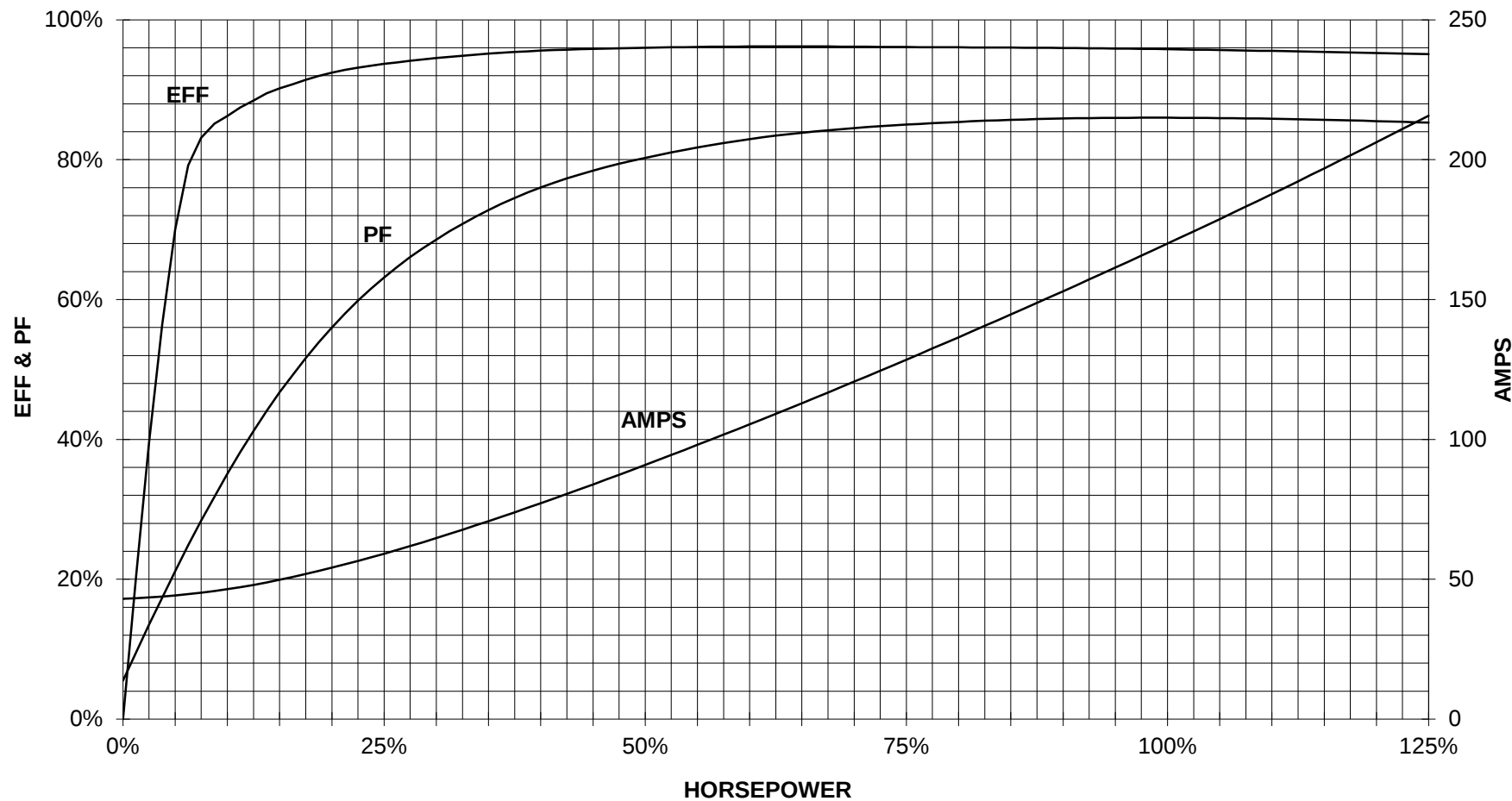


CUSTOMER: _____ ORDER#: _____

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

150 HP 1800 RPM B445T FRAME 460 VOLTS 3 PHASE NEMA DESIGN B

SIEMENS INDUSTRY, INC.
PERFORMANCE CURVE
GP100



CUSTOMER:_____ ORDER #:_____

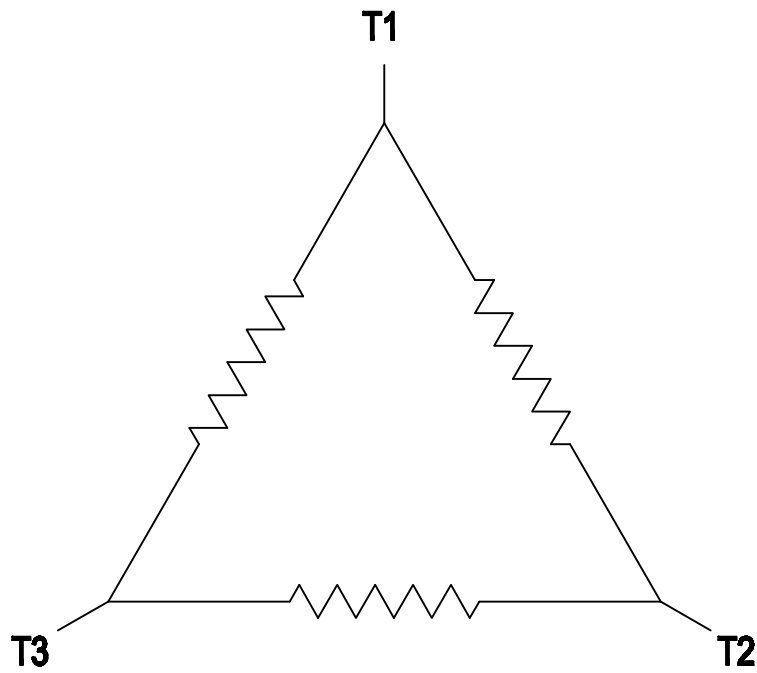
PERFORMANCE BASED ON DESIGN CALCULATIONS. SUBJECT TO CHANGE WITHOUT NOTICE.
REV. 1

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3 PHASE - 3 LEADS - DELTA

L1	L2	L3	CONN.
T1	T2	T3	△



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.

51-382-114-504

A

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