



NEMA Motor Data

MLFB-Ordering data : 1LE2221-2AD11-3AA3

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	2.0	Rating	Cont.
Voltage	(13) 575V STD, 60Hz	Ins. Class	Class F (Standard)
Amps	2.6 A	S.F.	1.15
FL RPM	870	Amb. Temp.	+40C TO -20C
FL Efficiency	84.0 %	Temp. Rise	Class B
FRAME	213T	kVA Code	H
DE AFBMA	40BC02JPP30	NEMA Des	B
ODE AFBMA	40BC02JPP30	Mtr WT	126
60 Hertz	3 Ph TEFC	IP	55

Type of construction	(A) Foot mounted - End shield
Motor protection	(A) Without Protection
Terminal box design	(3) F-1, Standard Floor Mount, T. Box

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					
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Load	No Load	1/2	3/4	Full Load	LRC
Efficiency		84.0 %	84.5 %	84.0 %	
Power Factor		51.0	63.0	67.0	
Current (A)	1.6 A	1.7 A	2.1 A	2.6 A	12.8 A
Inverter Duty	VT	20:1	CT	4:1	

Mechanical Data				
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SAFE STALL TIME	HOT (s)	22	COLD (s)	38
Rtr wt (lbs)	3.53	Rtr WK2	0.48	
FLT (lb-ft)	12.0	LRT (%)	167	BDT (%) 292
Ext Load Inertia (WK2) Capability	60.0 lb-ft ²			
Brake:	without			

Typical Noise Data									
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A-weighted Sound Pressure Level at 3 feet	Octave Band Center Frequencies Hertz (Hz)								SPL	SPwrL
	125	250	500	1000	2000	4000	8000	64		
	41	42	52	64	54	47	34	73		

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

Special design :

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

2

1

B

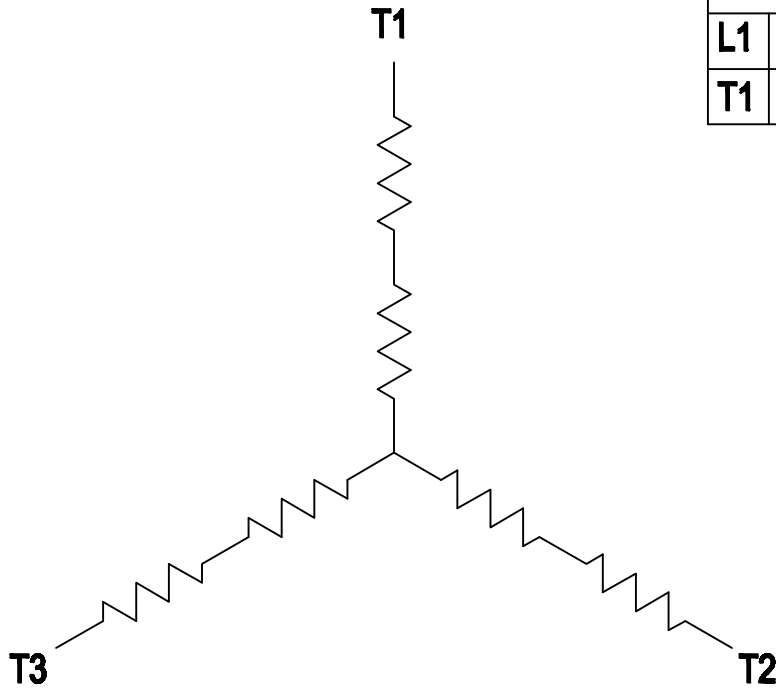
B

A

A

3 PHASE - 3 LEADS - WYE

LINES			CONN.
L1	L2	L3	
T1	T2	T3	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.

51-382-114-503

A

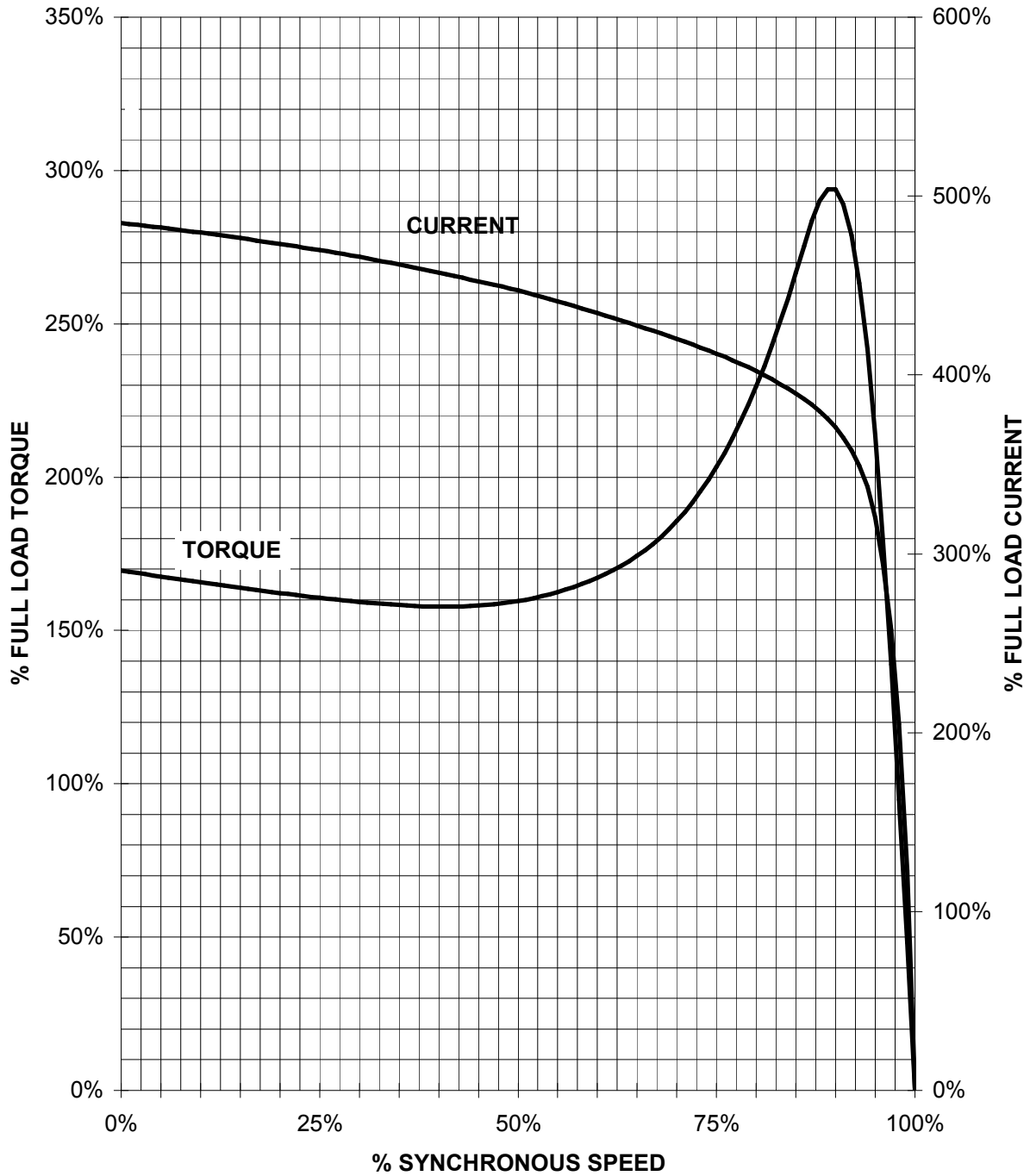
2

1

SIEMENS INDUSTRY, INC.

HP 2 VOLTS < 600V RPM 900 TYPE GP100
HZ 60 PHASE 3 FRAME 213T NEMA B

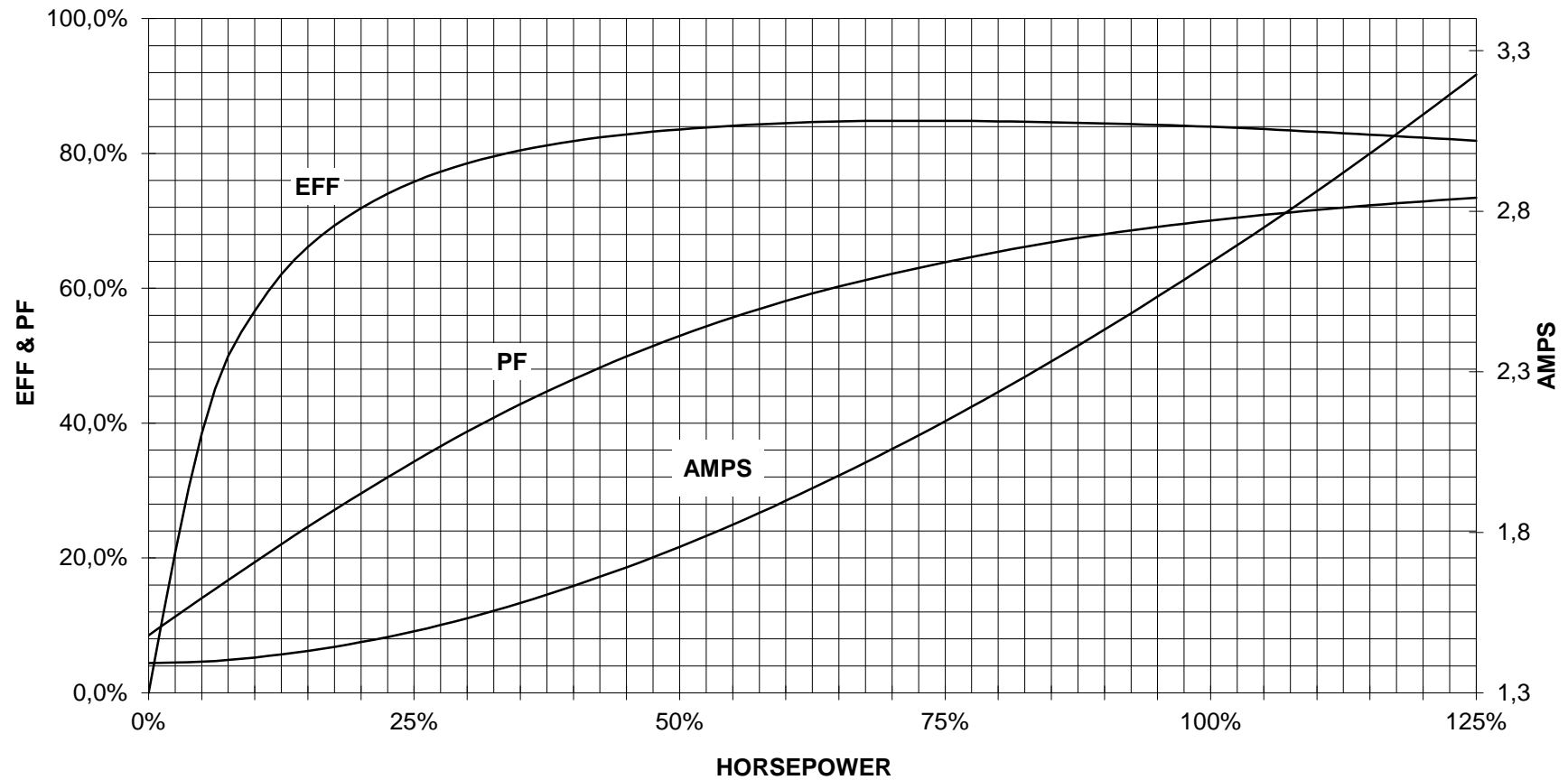
TORQUE & CURRENT VS. SPEED



CUSTOMER: _____ ORDER#: _____

2 HP 900 RPM 213T FRAME 575 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