



NEMA Motor Data

Ordering data : 1LE2121-1AB41-4EA3

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	145TC	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	(E) Foot mounted - C-Face
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		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				
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-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	55
at 3 feet	28	45	47	52	49	43	35	SPwrl	64

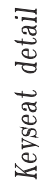
Wiring Connection Information				
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Special design :				
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Description	3 PHASE - 9 LEAD - WYE				
Voltage	L1	L2	L3	Connected together	
LOW	T1 T7	T2 T8	T3 T9	T4 T5 T6	Y Y
HIGH	T1	T2	T3	T4 T7-T5 T8-T6 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

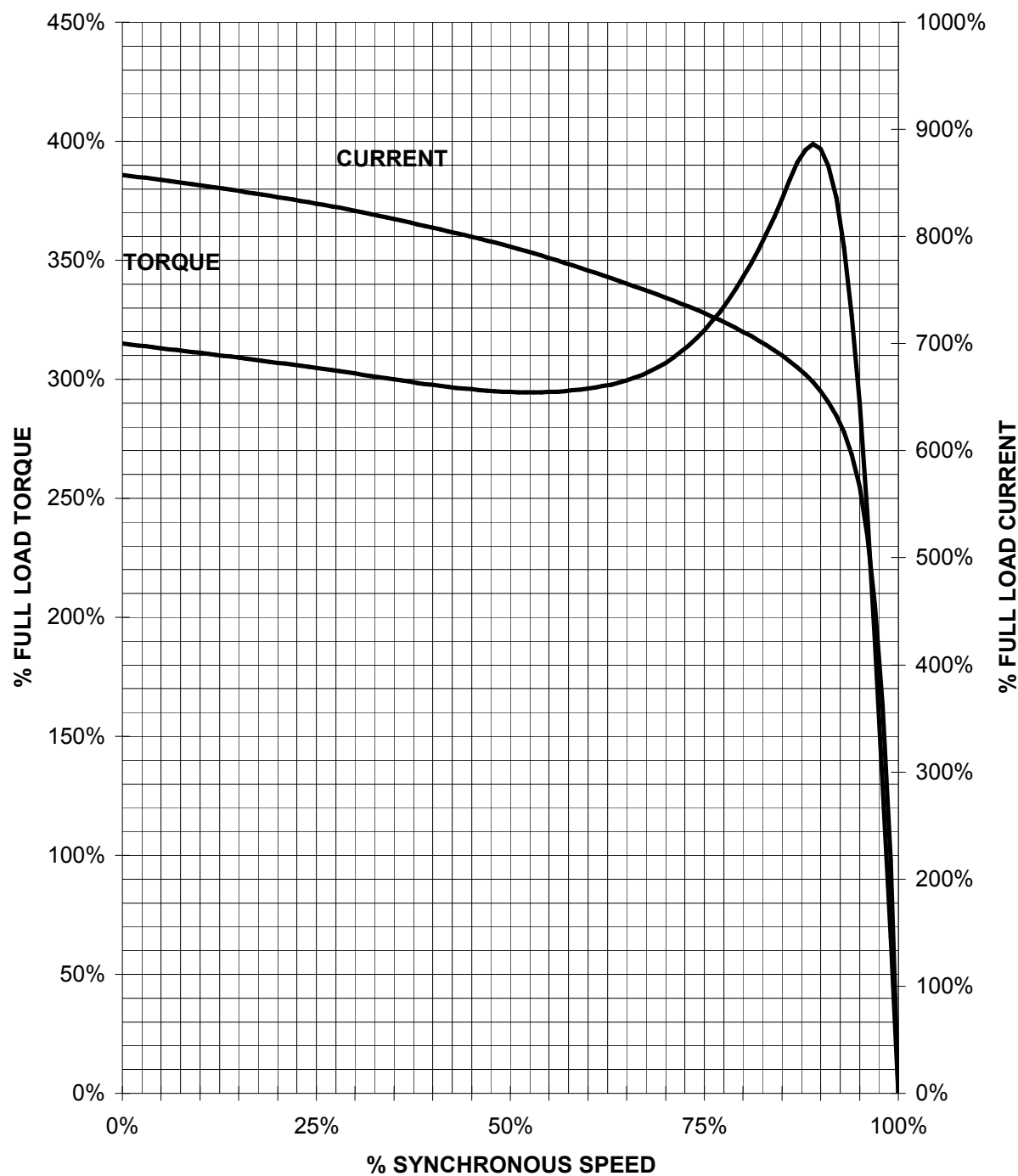


Tolerance in mm. according to DIN-1686-GTB-19	Quantity	Parts and Measure	Drawing No. Norm No.	Item No.	Material	Weight Lbs.
± 4.5 to 18	04.03.02.01					
Over 18 to 30						
Over 30 to 50						
Over 50 to 80						
Over 80 to 120						
± 6						
Over 120 to 180						
± 6.5						
Over 180 to 250						
± 7						
Over 250 to 315						
± 7.5						
Over 315 to 400						
± 8						
Over 400 to 500						
± 8.5						
Over 500 to 630						
± 9.5						
Over 630 to 800						
± 10						

SIEMENS INDUSTRY, INC.

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

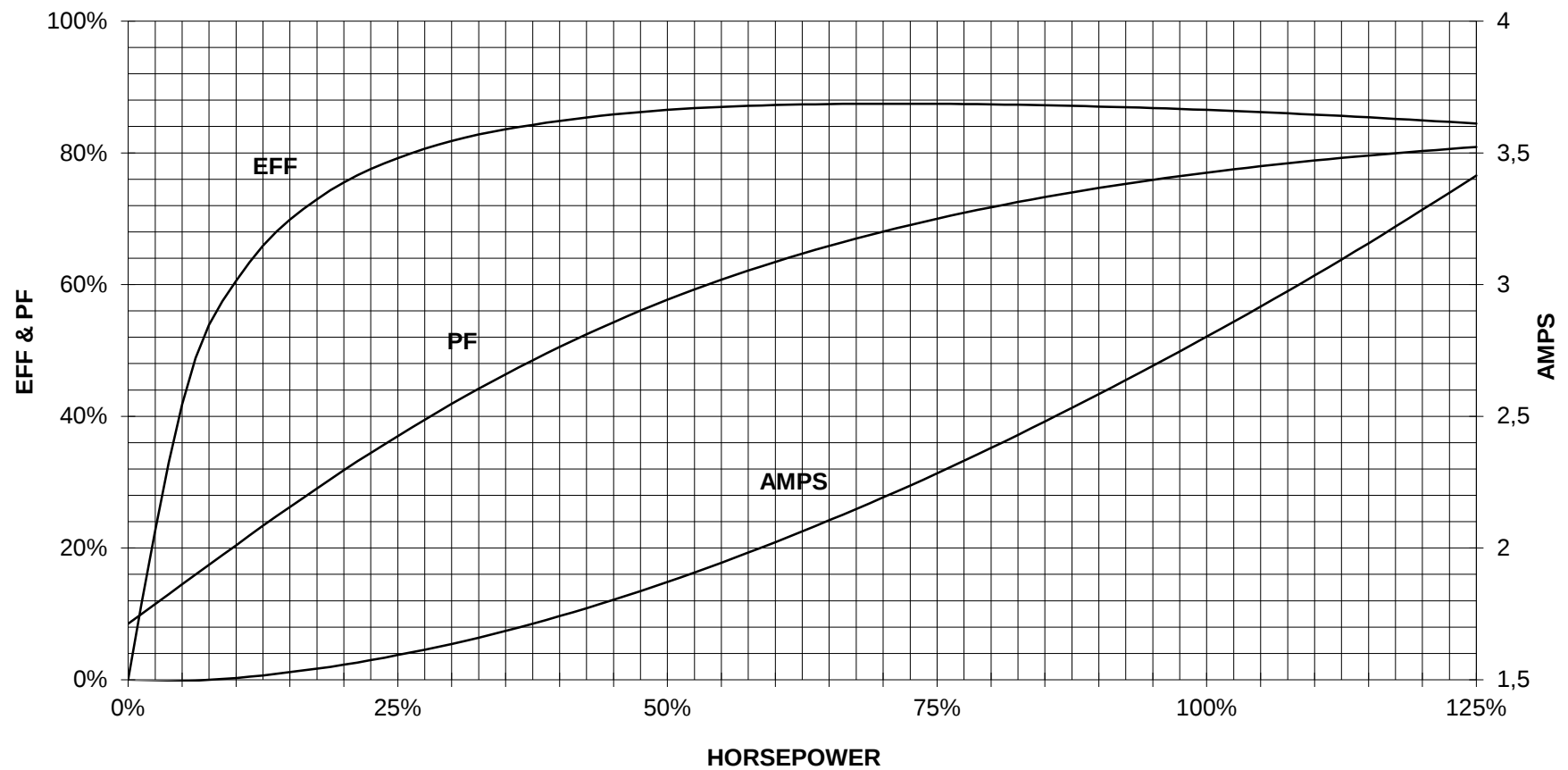
TORQUE & CURRENT VS. SPEED



CUSTOMER: _____ ORDER#: _____

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

SIEMENS INDUSTRY, INC.
PERFORMANCE CURVE
GP100A NP



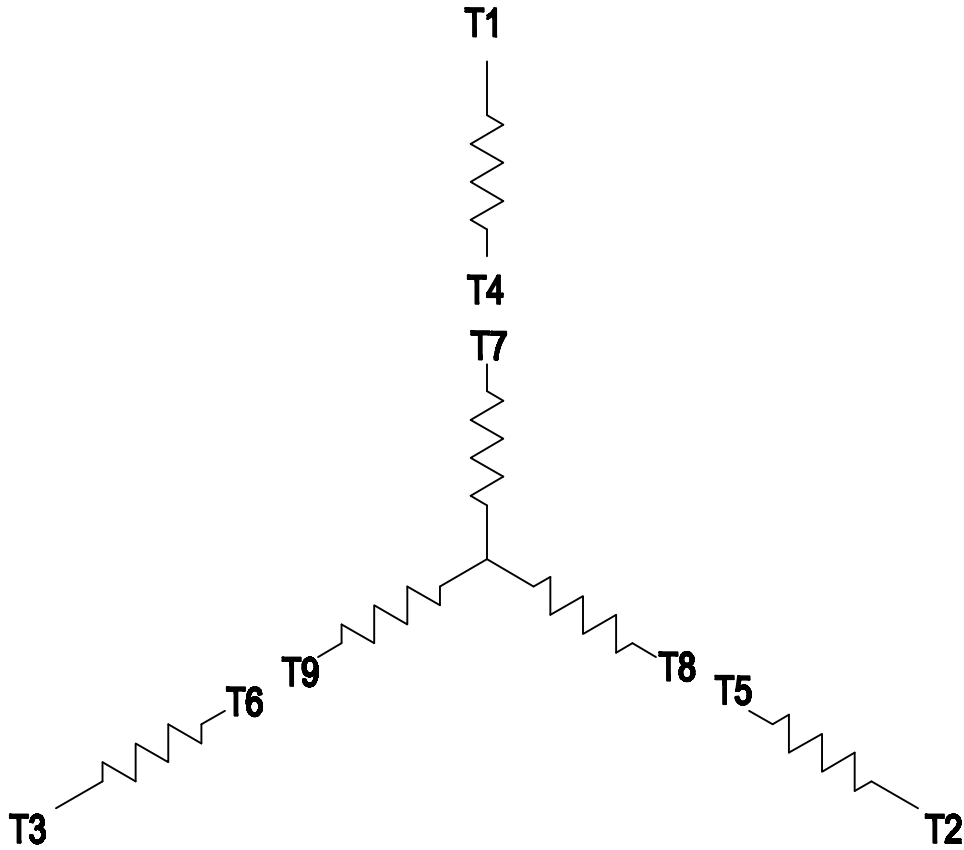
CUSTOMER _____ ORDER # _____ PO # _____

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

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

A