



NEMA Motor Data

Ordering data : 1LE2121-1AA11-4EA3

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	1.0	Rating	Cont.
Voltage	(14) 208-230/460V,	Ins. Class	Class F (Standard)
Amps	2.8 / 1.4 A	S.F.	1.15
FL RPM	3520	Amb. Temp.	40 deg C
FL Efficiency	82.5 %	Temp. Rise	Class B
FRAME	143TC	kVA Code	K
DE AFBMA	25BC02JPP30	NEMA Des	B
ODE AFBMA	25BC02JPP30	Mtr WT	29.10
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		79.3 %	82.1 %	82.5 %	
Power Factor		65.2	77.4	81.1	
Current (A)	0.7 A	0.9 A	1.1 A	2.8 / 1.4 A	12.0 A
Inverter Duty	VT	20:1	CT	4:1	

Mechanical Data					
SAFE STALL TIME	HOT (s)	12	COLD (s)	16	
Rtr wt (lbs)	7.47	Rtr WK2	0.04		
FLT (lb-ft)	1.500	LRT	173	BDT	380
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	74
at 3 feet	32	52	69	70	67	60	51	SPw rL	83

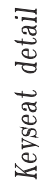
Wiring Connection Information				
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Special design :				
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Description	3 PHASE - 9 LEAD - WYE				
Voltage	L1	L2	L3	Connected together	
LOW	T1 T7	T2 T8	T3 T9	T4 T5 T6	Y Y
HIGH	T1	T2	T3	T4 T7-T5 T8-T6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

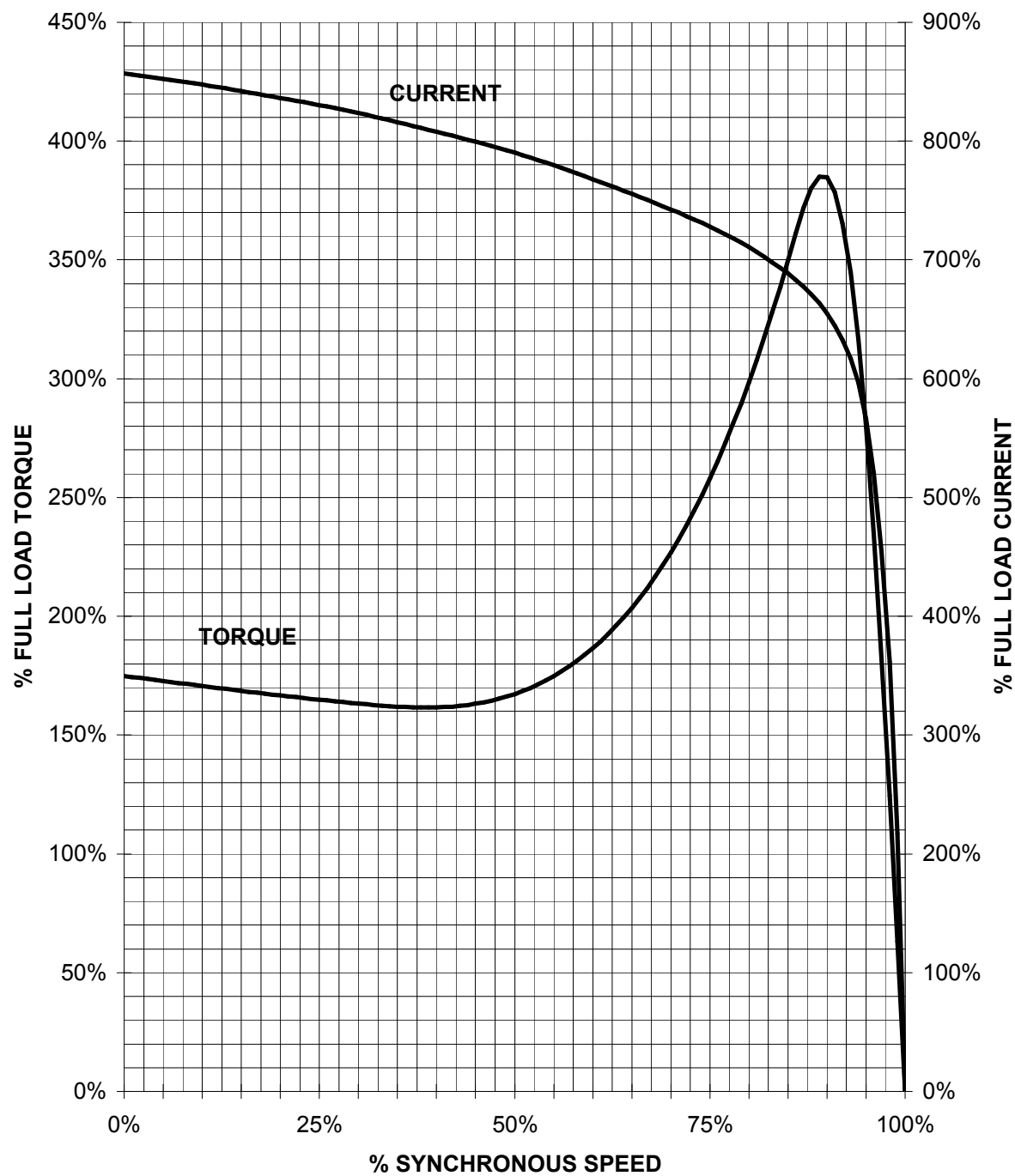


Tolerance in mm. according to DIN-1686-GTB-19	Quantity	Parts and Measure	Drawing No. Norm No.	Item No.	Material	Weight Lbs.
± 4.5 to 18	04.03.02.01	 European Projection				
Over 18 to 30		Dimensions in inches				
Over 30 to 50						
Over 50 to 80						
Over 80 to 120						
Over 120 to 180						
Over 180 to 250						
Over 250 to 315						
Over 315 to 400						
Over 400 to 500						
Over 500 to 630						
Over 630 to 800						
± 4.7						
± 5						
± 5.5						
± 6						
± 6.5						
± 7						
± 7.5						
± 8						
± 8.5						
± 9.5						
± 10						
		SIEMENS GUADALAJARA FACTORY		3MSE 220 851 Replace.		
		Remark		2 / 2		

SIEMENS INDUSTRY, INC.

HP 1 VOLTS < 600V RPM 3600 TYPE GP100A
HZ 60 PHASE 3 FRAME 143T NEMA B

TORQUE & CURRENT VS. SPEED

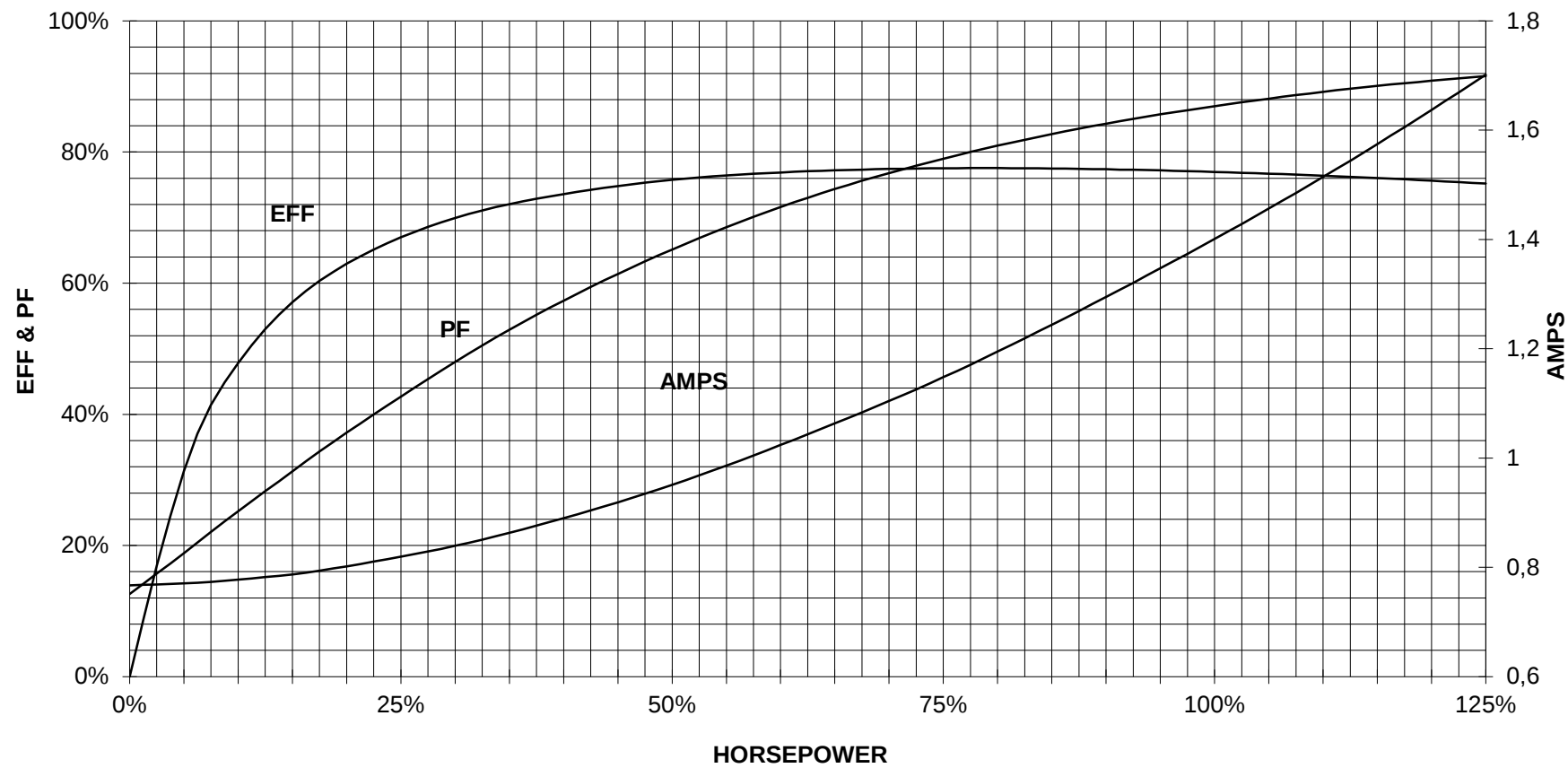


CUSTOMER: _____ ORDER#: _____

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

1 HP 3600 RPM 143 FRAME 460 VOLTS 3 PHASE NEMA DESIGN B

SIEMENS INDUSTRY, INC.
PERFORMANCE CURVE
GP100A NP

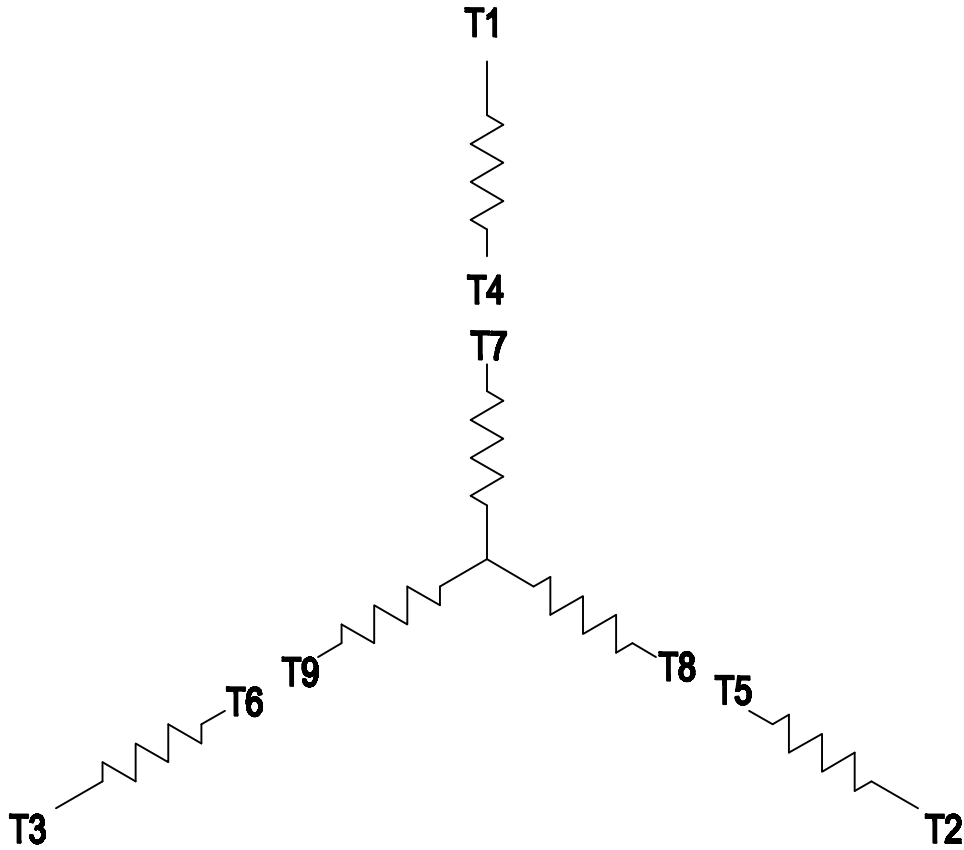


CUSTOMER _____ ORDER # _____ PO # _____

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

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

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