



NEMA Motor Data

Ordering data : 1LE2121-1CB11-4EA3

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	3.0	Rating	Cont.
Voltage	(14) 208-230/460V,	Ins. Class	Class F (Standard)
Amps	8.0 / 4.0 A	S.F.	1.15
FL RPM	1760	Amb. Temp.	40 deg C
FL Efficiency	89.5 %	Temp. Rise	Class B
FRAME	182TC	kVA Code	K
DE AFBMA	30BC02JPP30	NEMA Des	B
ODE AFBMA	30BC02JPP30	Mtr WT	67.90
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	6206 ZZ C3 S0	6206 ZZ C3 S0
Bearing Type	Ball Bearing	Ball Bearing
AFBMA	30BC02JPP30	30BC02JPP30

Typical Performance Data					
Load	No Load	1/2	3/4	Full Load	LRC
Efficiency		87.8 %	89.4 %	89.5 %	
Power Factor		59.5	71.7	78.5	
Current (A)	2.1 A	2.7 A	3.3 A	8.0 / 4.0 A	33.0 A
Inverter Duty	VT	20:1	CT	4:1	

Mechanical Data				
SAFE STALL TIME	HOT (s)	17	COLD (s)	29
Rtr wt (lbs)	21.68	Rtr WK2	0.29	
FLT (lb-ft)	9.000	LRT	233	BDT 356
Ext Load Inertia (WK2) Capability		105.0 lb-ft²		

Typical Noise Data									
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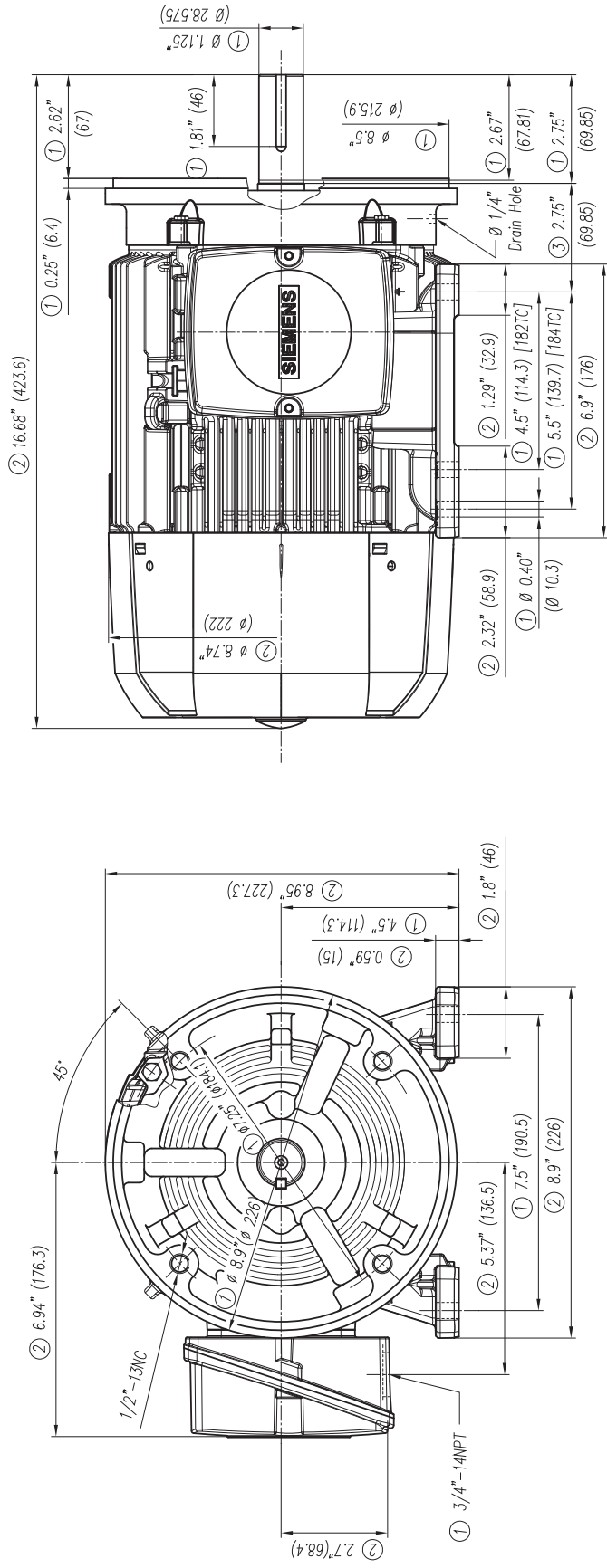
A-weighted Sound	Octave Band Center Frequencies Hertz (Hz)								
Pressure Level	125	250	500	1000	2000	4000	8000	SPL	63
at 3 feet	33	51	54	60	58	48	39	SPwRL	72

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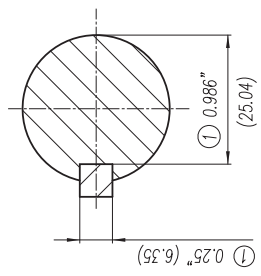
Description	3 PHASE - 9 LEAD - WYE				
Voltage	L1	L2	L3	Connected together	
LOW	T1 T7	T2 T8	T3 T9	T4 T5 T6	Y Y
HIGH	T1	T2	T3	T4 T7-T5 T8-T6 T9	Y

Lubrication Information	
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Manufacturer	Mobil Polyrex EM or equal
Type	Polyurea (standard)
DE Capacity (oz.)	0.20
ODEnd Capacity (oz.)	0.20



- ① Tolerances According to NEMA Std.
- ② All these dimensions corresponding to assemblies and castings shall have a tolerance as per DIN standard 1686—GTB 19.
- ③ Not According to NEMA Std.



Keyseat detail

CERTIFIED PRINT					
CUSTOMER					
POM					
HP	RPM	FRAME	TYPE	VOLTS	HZ

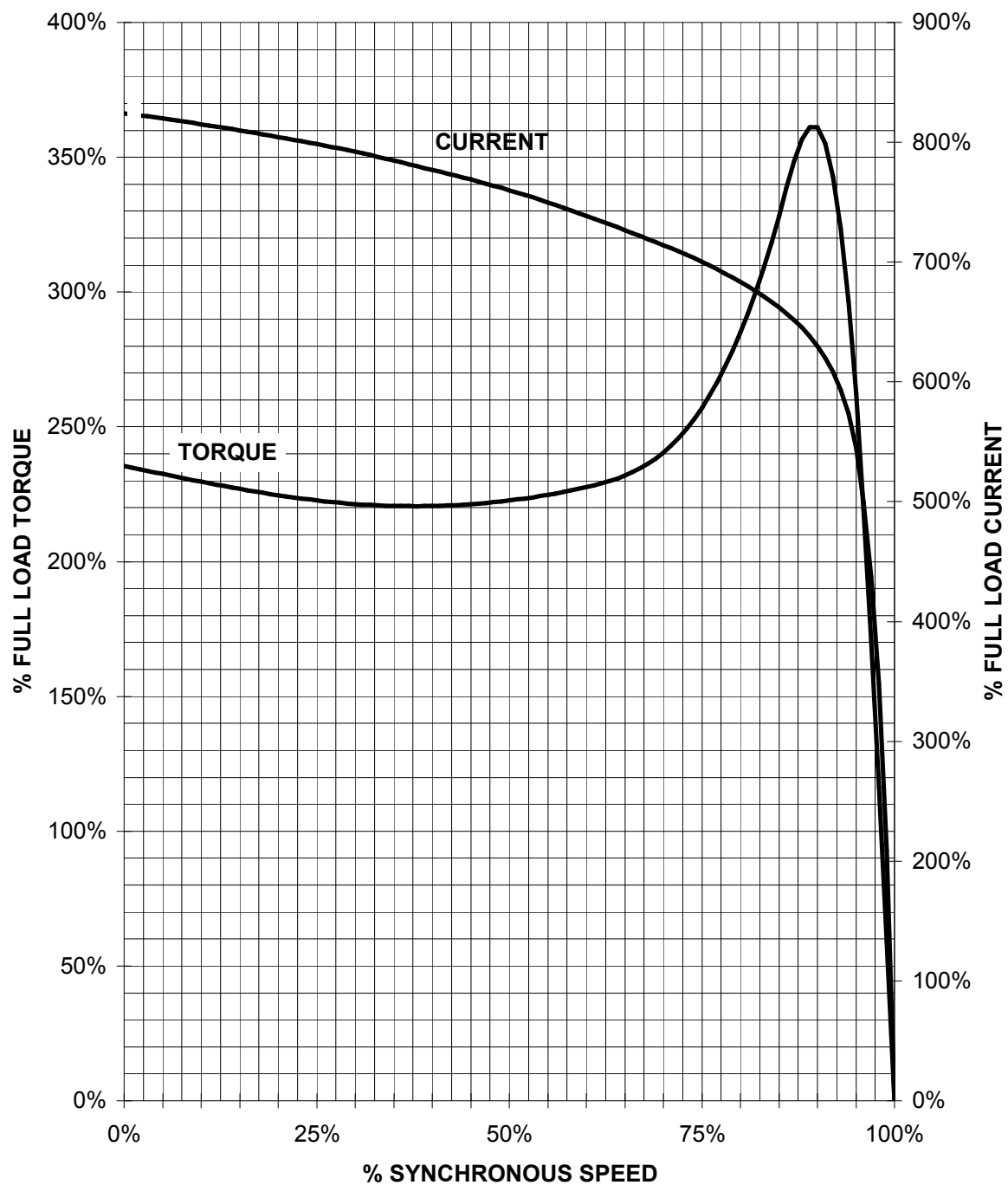
②

Tolerance in mm. according to DIN-1686-GTB-19		Quantity	Parts and Measure		Drawing No. Norm No.	Item No.	Material	Weight Lbs.
to 18		04,03,02,01	 European Projection Dimensions in inches					
Over 18 to 30								
Over 30 to 50								
Over 50 to 80								
Over 80 to 120								
Over 120 to 180			 SIEMENS GUADALAJARA FACTORY		3MSE 221 0871		2 / 2	
Over 180 to 250								
Over 250 to 315								
Over 315 to 400								
Over 400 to 500								
Over 500 to 630			Remark					
Over 630 to 800								

SIEMENS INDUSTRY, INC.

HP 3 VOLTS < 600V RPM 1800 TYPE GP100A
HZ 60 PHASE 3 FRAME 182T NEMA B

TORQUE & CURRENT VS. SPEED

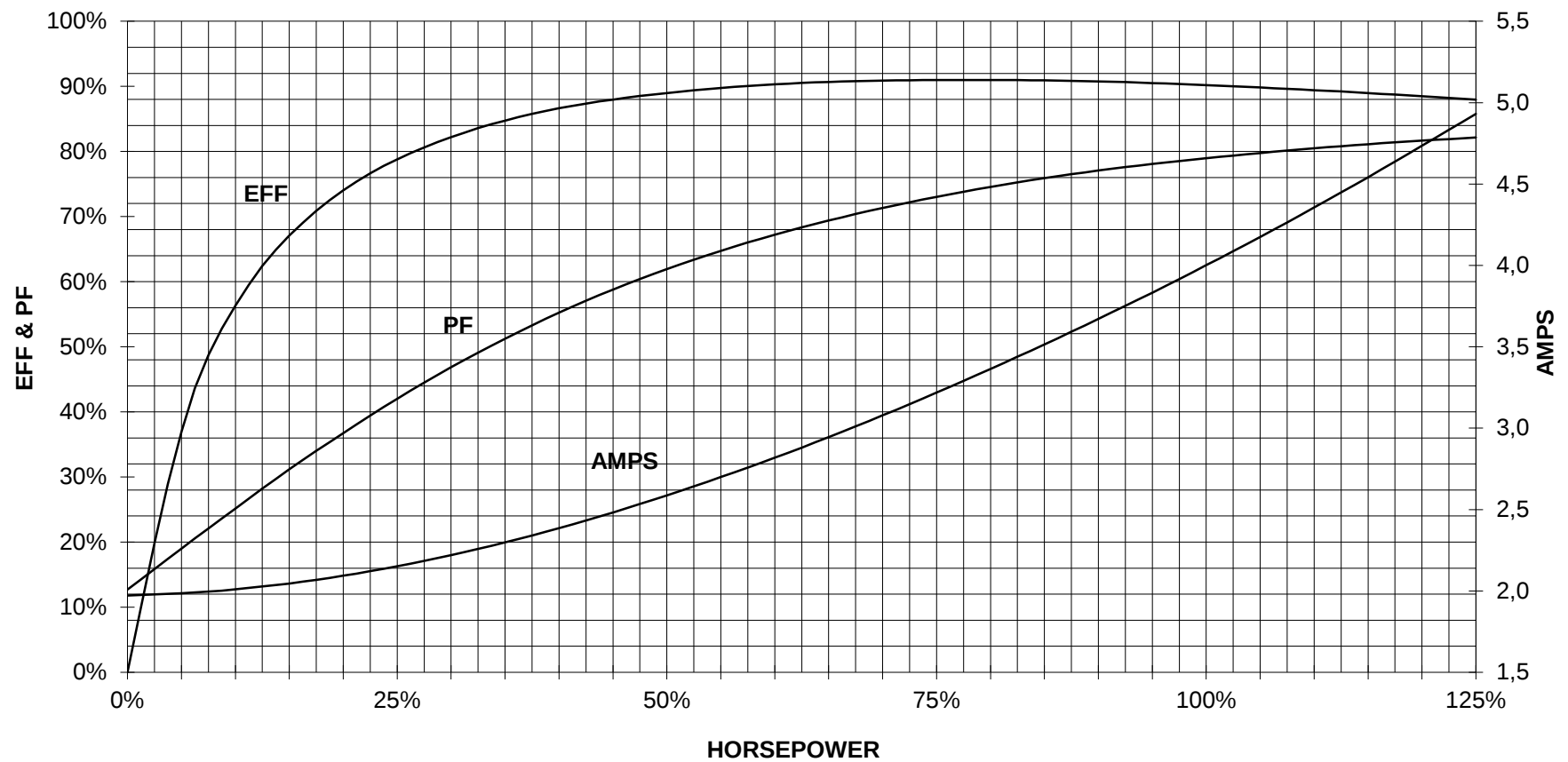


CUSTOMER: _____ ORDER#: _____

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

3 HP 1800 RPM 182 FRAME 460 VOLTS 3 PHASE NEMA DESIGN B

SIEMENS INDUSTRY, INC.
PERFORMANCE CURVE
GP100A NP



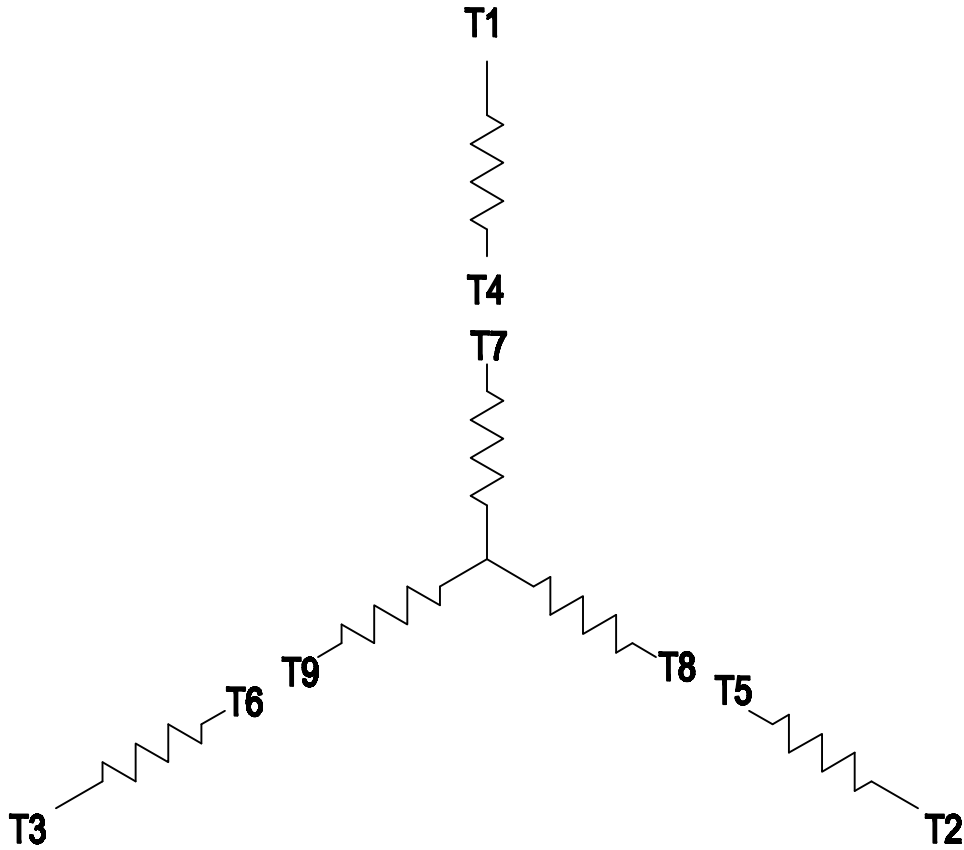
CUSTOMER _____ ORDER # _____ PO # _____

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