



NEMA Motor Data

Ordering data : 1LE2221-1CA31-4EA3

Client order no. :
Order no. :
Offer no. :
Remarks :
Item no. :
Consignment no. :
Project :

Nameplate Data	Mounting and motor protection
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Type	GP100 - NEMA Premium Efficiency		
HP	5.0	Rating	Cont.
Voltage	(14) 208-230/460V,	Ins. Class	Class F (Standard)
Amps	12.0 / 6.0 A	S.F.	1.15
FL RPM	3505	Amb. Temp.	40 deg C
FL Efficiency	88.5 %	Temp. Rise	Class B
FRAME	184TC	kVA Code	H
DE AFBMA	30BC02JPP30	NEMA Des	B
ODE AFBMA	30BC02JPP30	Mtr WT	98.11
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		88.2 %	89.1 %	88.5 %	
Power Factor		78.1	85.9	88.2	
Current (A)	2.0 A	3.4 A	4.6 A	12.0 / 6.0 A	46.0 A
Inverter Duty	VT	20:1	CT	4:1	

Mechanical Data				
SAFE STALL TIME	HOT (s)	15	COLD (s)	29
Rtr wt (lbs)	16.80	Rtr WK2	0.18	
FLT (lb-ft)	7.500	LRT	173	BDT 427
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	82
at 3 feet	41	58	75	77	77	68	57	SPwrL	88

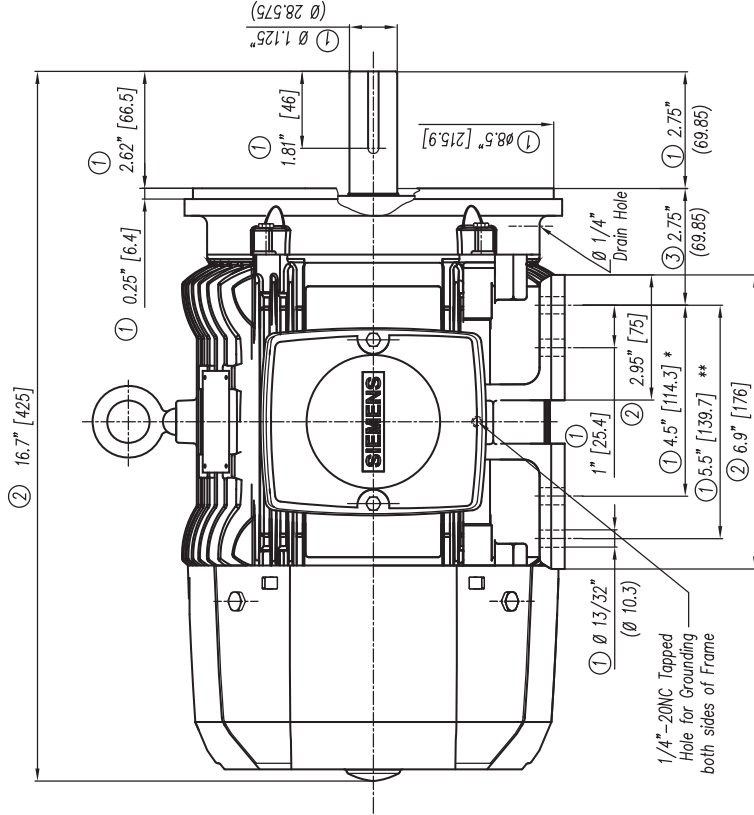
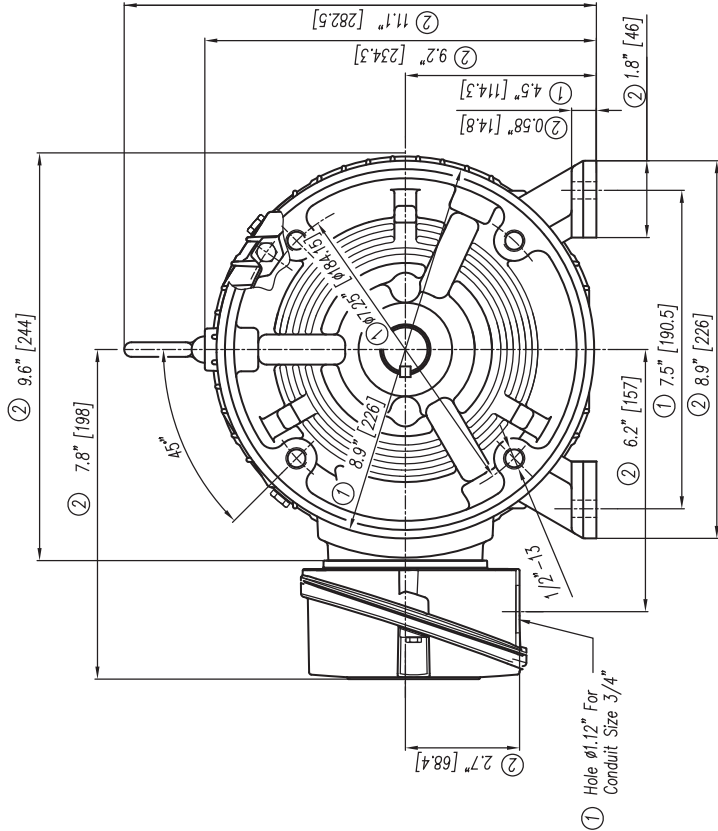
Wiring Connection Information					
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Special design :					
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Description	3 PHASE - 9 LEAD - WYE				
Voltage	L1	L2	L3	Connected together	
LOW	T1 T7	T2 T8	T3 T9	T4 T5 T6	Y Y
HIGH	T1	T2	T3	T4 T7-T5 T8-T6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

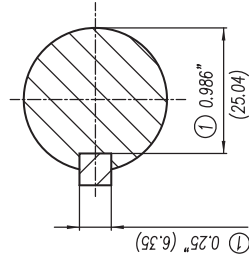
Lubrication Information					
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Manufacturer	Mobil Polyrex EM or equal
Type	Polyurea (standard)
DE Capacity (oz.)	0.20
ODEnd Capacity (oz.)	0.20



- 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.

- ① Tolerancias acorde a NEMA Std.
② Todas estas dimensiones correspondientes a ensambles y fundición en bruto tendrán una tolerancia según DIN 1686-GTB-19
③ No Acorde a NEMA Std.



Keyseat detail
Detalle Cuñero

* Arm 182TC
** Arm 184TC

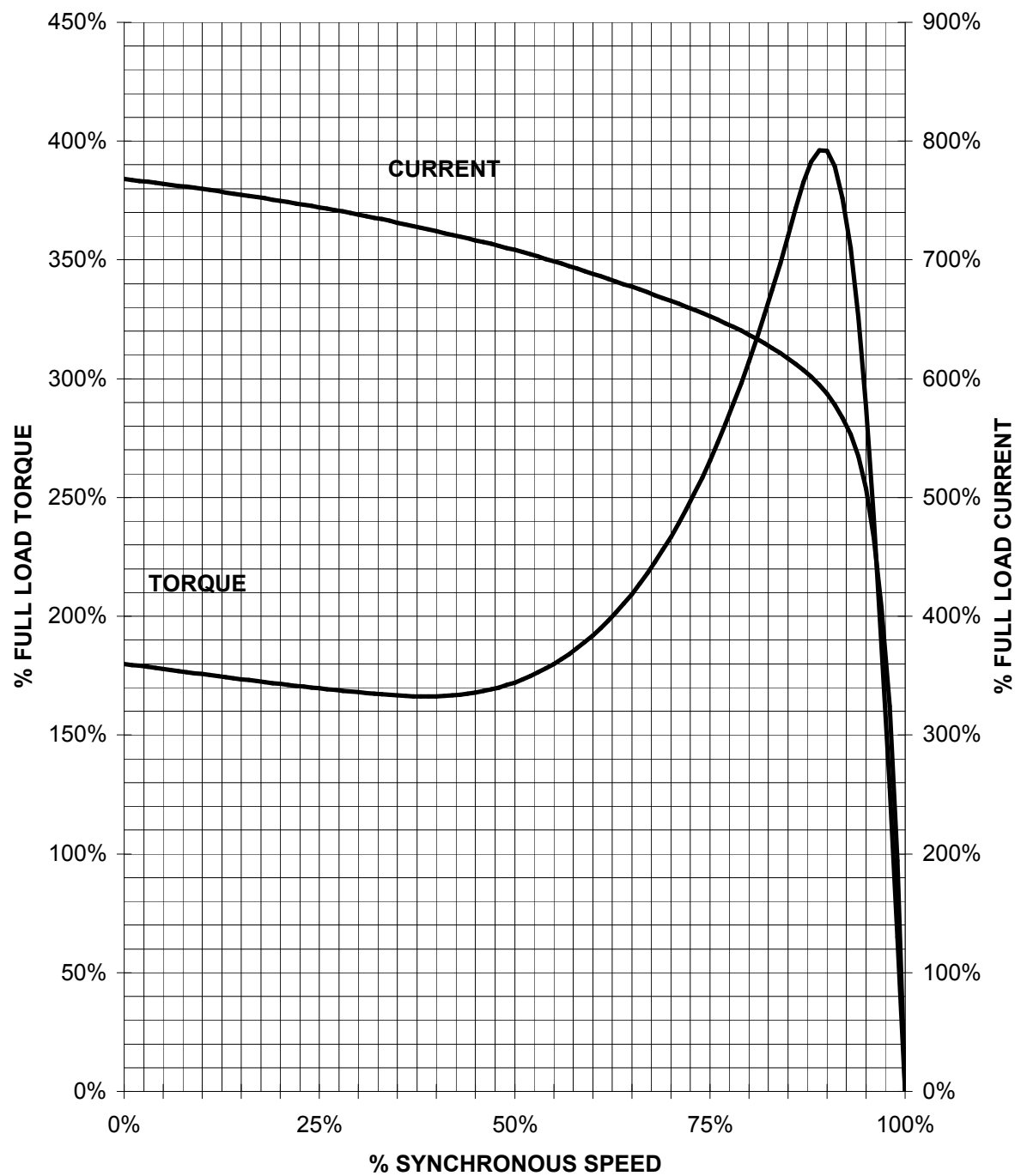
②

Tol. in mm. acc. to/Tol. en mm. según DIN-1686-GTB-19						a)Se cambió formato a Inglés-Español y se especificó tipos en los que aplica este dibujo.			
Over/desde	to/hasta					a)Changed the format to English-Spanish and was specified in what kind of motors apply this drawing.			
---	18	± 4.5					Outline/Dimensiones New NEMA Motors Type/ Tipo: GP100 182/184TC Frame/Arm.	Scale/ Escala Sin W/O	
18	30	± 4.7							
30	50	± 5							
50	80	± 5.5							
80	120	± 6							
120	180	± 6.5							
180	250	± 7							
250	315	± 7.5							
315	400	± 8							
400	500	± 8.5							
500	630	± 9							
630	800	± 10							
								3MSE 221 0851a)	- / -
								Ref.	Rep. 3MSE 221 0851

SIEMENS INDUSTRY, INC.

HP 5 VOLTS < 600V RPM 3600 TYPE GP100
HZ 60 PHASE 3 FRAME 184T NEMA B

TORQUE & CURRENT VS. SPEED

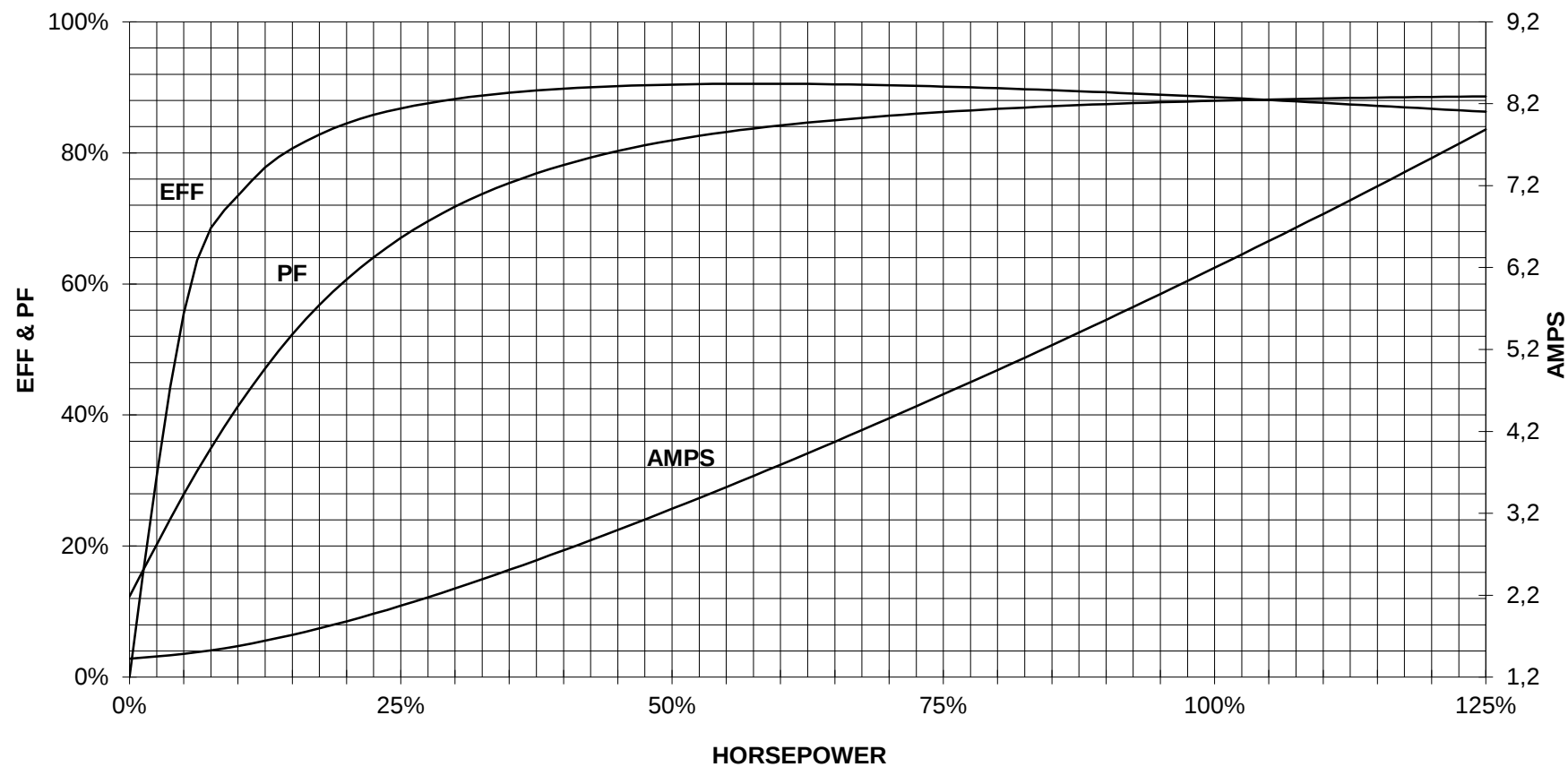


CUSTOMER: _____ ORDER#: _____

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

5 HP 3600 RPM 184T FRAME 460 VOLTS 3 PHASE NEMA DESIGN B

SIEMENS INDUSTRY, INC.
PERFORMANCE CURVE
GP100



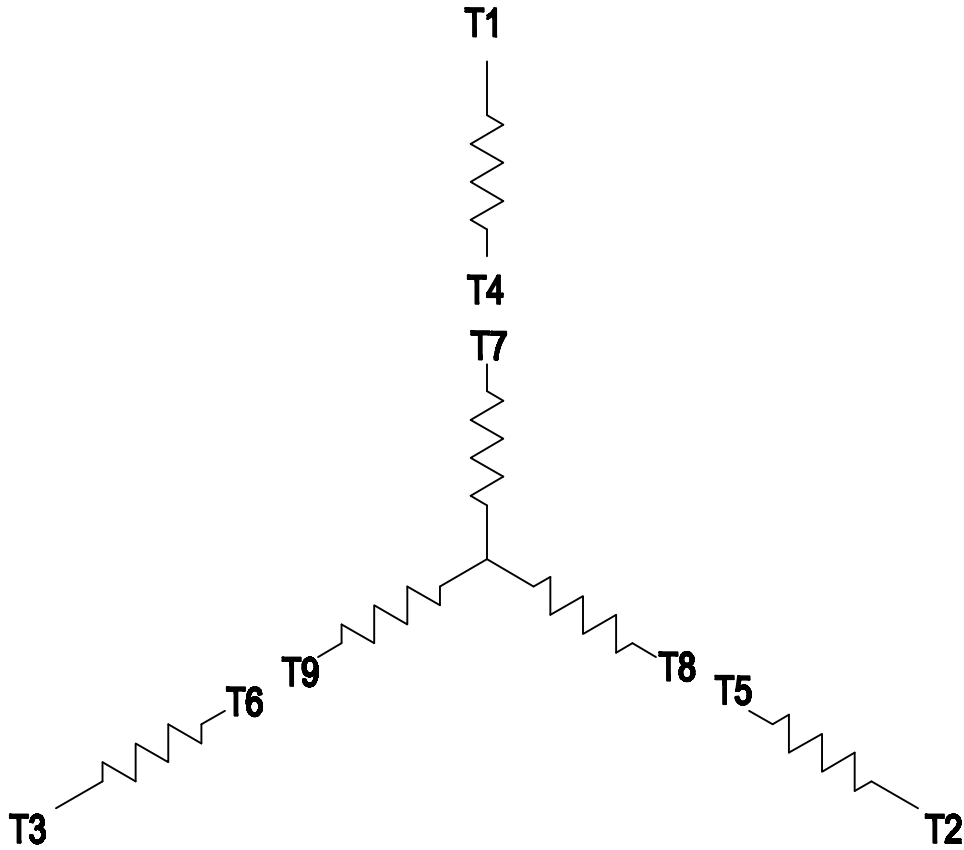
CUSTOMER _____ ORDER # _____ PO # _____

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

REV. 1

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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