



NEMA Motor Data

Ordering data : 1LE2121-2BB11-4AA3

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	15.0	Rating	Cont.		
Voltage	(14) 208-230/460V,	Ins. Class	Class F (Standard)		
Amps	38.0 / 19.0 A	S.F.	1.15		
FL RPM	1770	Amb. Temp.	40 deg C		
FL Efficiency	92.4 %	Temp. Rise	Class B		
FRAME	254T	kVA Code	G		
DE AFBMA	45BC02JPP30	NEMA Des	B		
ODE AFBMA	45BC02JPP30	Mtr WT	197.98		
60 Hertz	3 Ph	TEFC	IP	35	

Type of construction	(A) Foot mounted - End shield
Motor protection	(A) No winding protection
Terminal box design	(3) Mounting - F-1

Bearing Data		
	DE	ODE
Bearing Size	6209 ZZ C3 S0	6209 ZZ C3 S0
Bearing Type	Ball Bearing	Ball Bearing
AFBMA	45BC02JPP30	45BC02JPP30

Typical Performance Data					
Load	No Load	1/2	3/4	Full Load	LRC
Efficiency		92.3 %	92.8 %	92.4 %	
Power Factor		64.5	74.7	80.0	
Current (A)	11.8 A	11.8 A	15.2 A	38.0 / 19.0	116.0 A
Inverter Duty	VT	20:1	CT	4:1	

Mechanical Data				
SAFE STALL TIME	HOT (s)	21	COLD (s)	33
Rtr wt (lbs)	63.97	Rtr WK2	1.68	
FLT (lb-ft)	44.000	LRT	184	BDT 234
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	72
at 3 feet	49	60	67	68	66	63	50	SPwrl	83

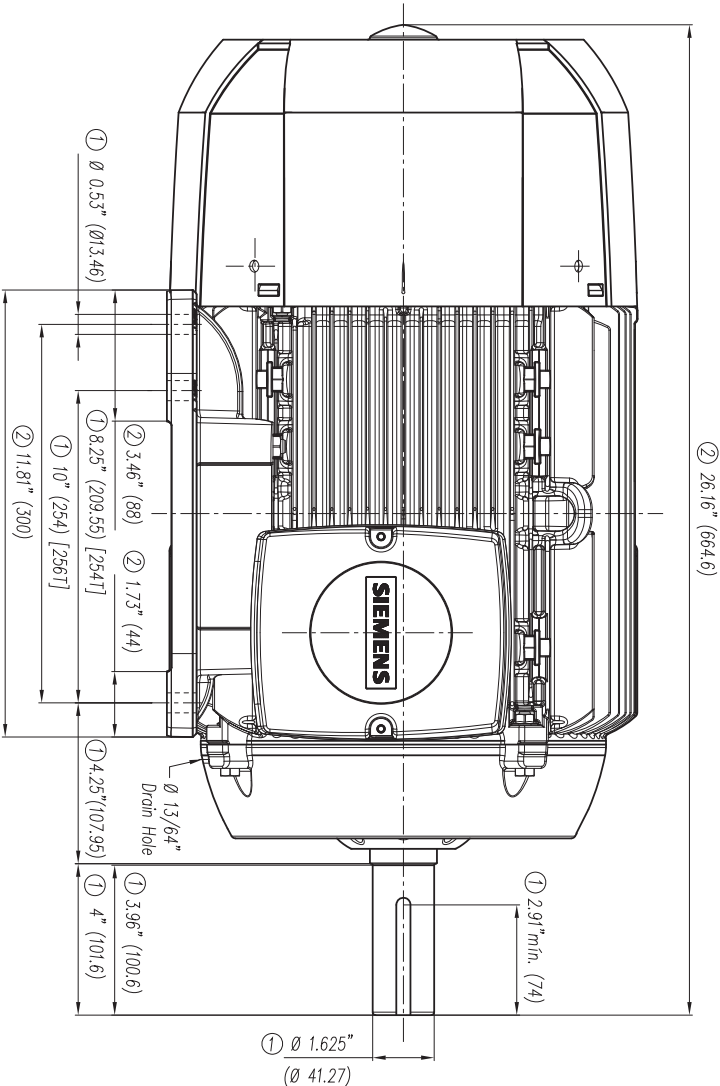
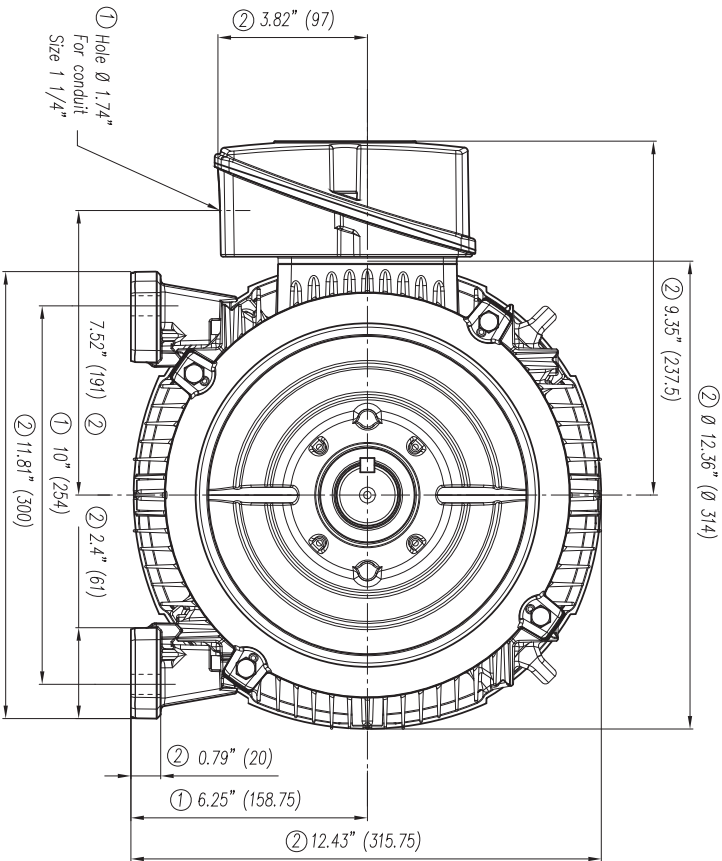
Wiring Connection Information			
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Special design :			
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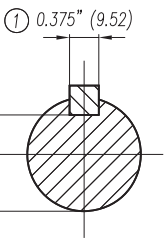
Description	3 PHASE - 9 LEAD - WYE				
Voltage	L1	L2	L3	Connected together	
LOW	T1 T7	T2 T8	T3 T9	T4 T5 T6	Y Y
HIGH	T1	T2	T3	T4 T7-T5 T8-T6 T9	Y

Lubrication Information			
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Manufacturer	Mobil Polyrex EM or equal
Type	Polyurea (standard)
DE Capacity (oz.)	0.50
ODEnd Capacity (oz.)	0.50



- 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.



Keyseat detail

CERTIFIED PRINT

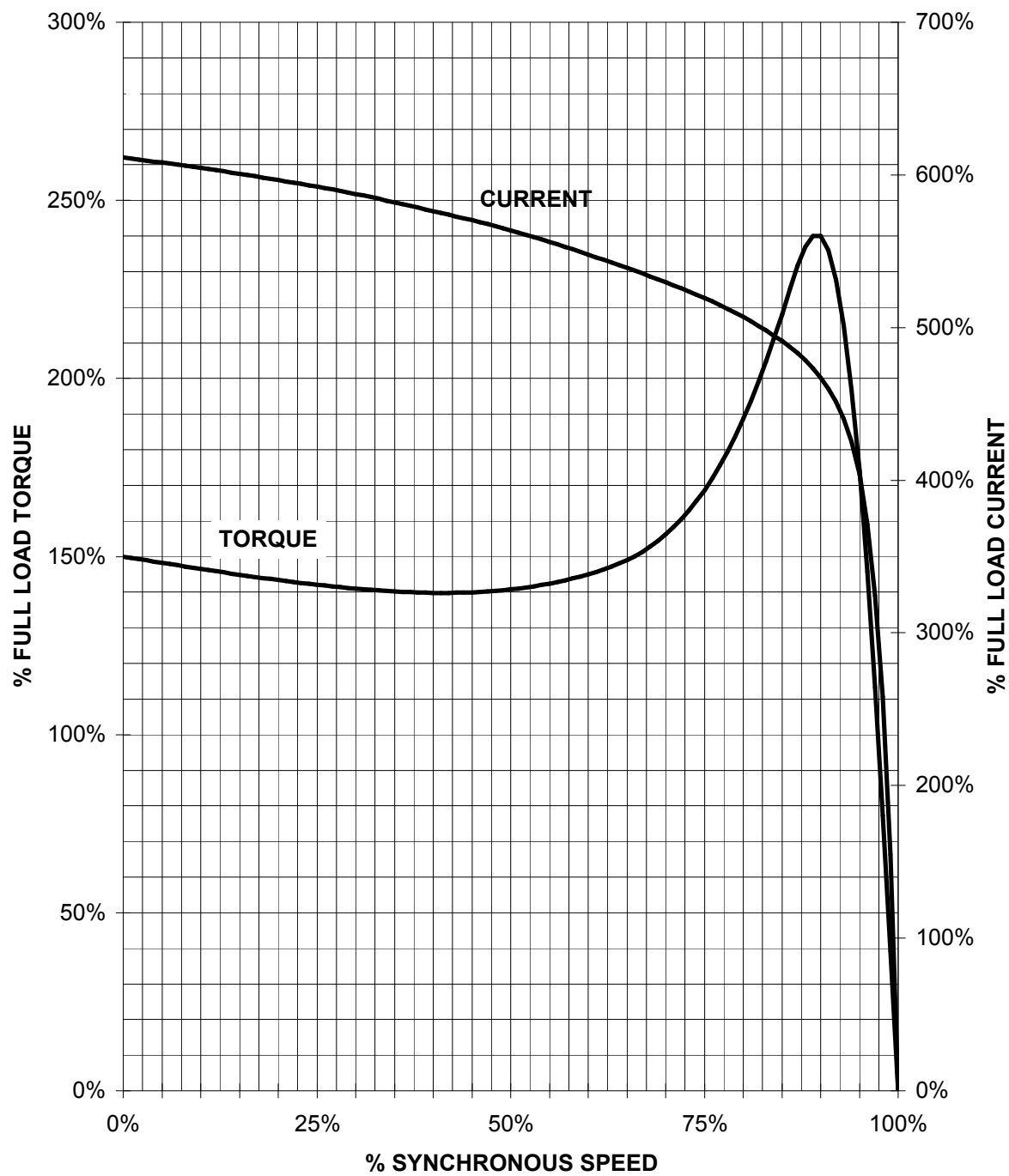
DESIGNER					
Rev		Sd			
Rev		TYPE			
Rev		MATERIAL			
Rev		PH			
Rev		H2			

②															
Tolerance in mm. according to DIN-1686-GTB-19				Quantity		Parts and Measure		Drawing No.	Item	Material	Weight				
to 18				04.03.02.01				Norm No.	No.		Lbs.				
Over 18 to 30															
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															
Remark															
European Projection Dimensions in inches Modific.															
				Date		Name									
				17/05/06		Fdo.Macias									
				Checked											
				Std Ckd											
SIEMENS GUADALAJARA FACTORY								Ref.		3MSE 223 0850		Replace.			
								3MSE 223 0855		2 / 2					
Dimension Drawing NEMA								Type: IIE2 GP100A NM		Scale					
								254/256T FRAME		W/O					
								2,4 Y 6 Pol.							

SIEMENS INDUSTRY, INC.

HP 15 VOLTS < 600V RPM 1800 TYPE GP100A
HZ 60 PHASE 3 FRAME 254T NEMA B

TORQUE & CURRENT VS. SPEED

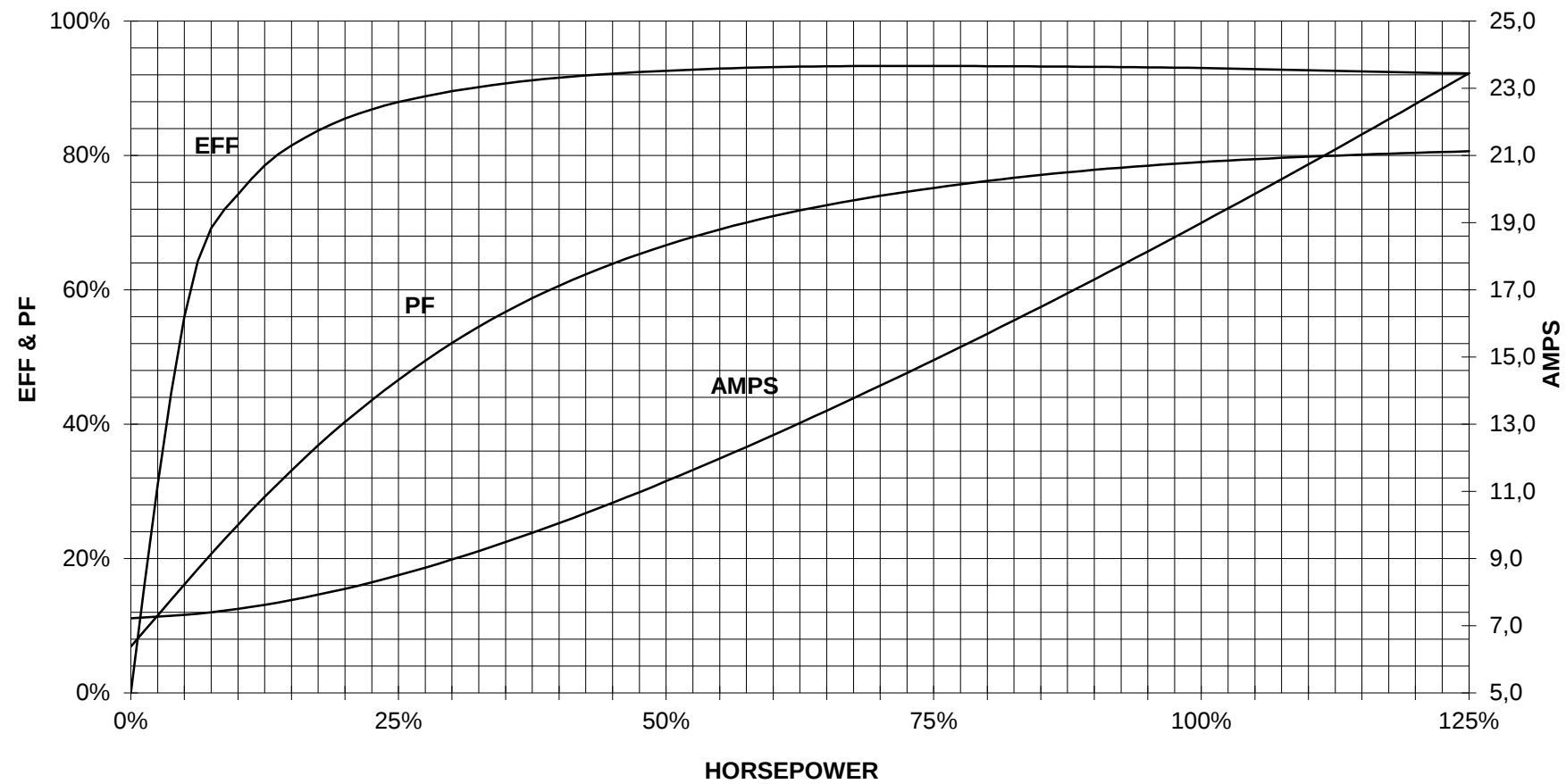


CUSTOMER: _____ ORDER#: _____

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

15 HP 1800 RPM 254 FRAME 460 VOLTS 3 PHASE NEMA DESIGN B

SIEMENS INDUSTRY, INC.
PERFORMANCE CURVE
GP100A NP

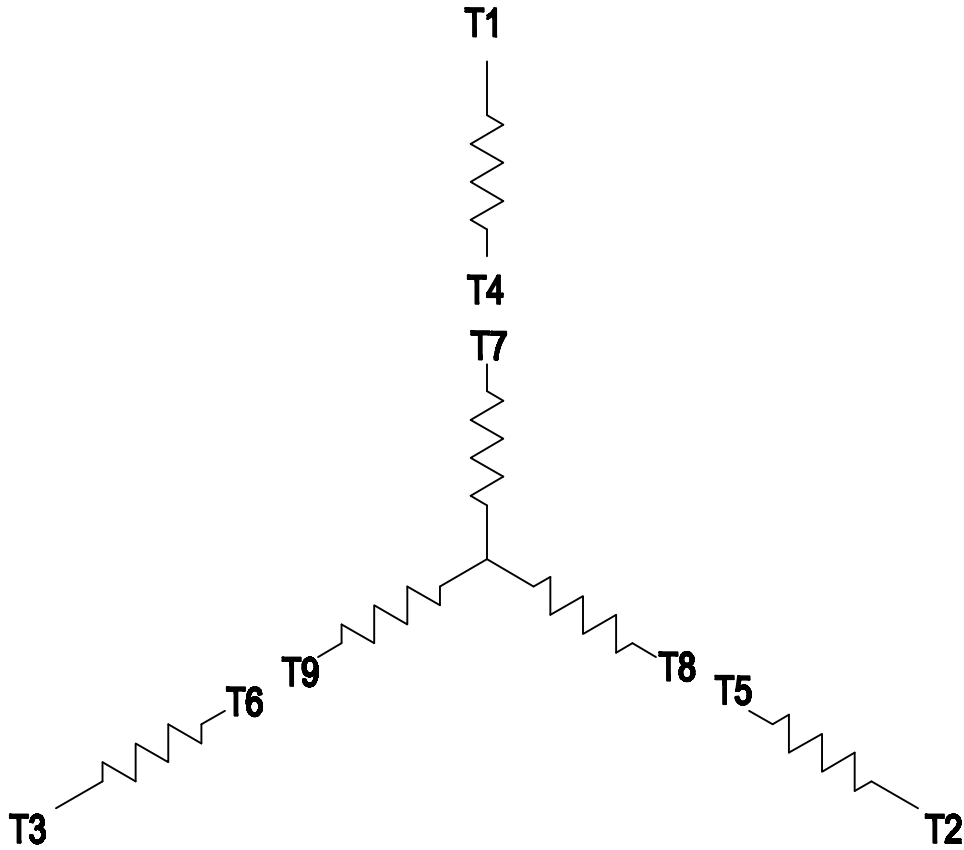


CUSTOMER _____ ORDER # _____ PO # _____

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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