



NEMA Motor Data

MLFB-Ordering data : 1LE2221-1AB21-4AA3

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

Nameplate Data	Mounting and motor protection
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Type:			
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	1755	Amb. Temp.	40 deg C
FL Efficiency	85.5 %	Temp. Rise	Class B
FRAME	143T	kVA Code	L
DE AFBMA	25BC02JPP30	NEMA Des	B
ODE AFBMA	25BC02JPP30	Mtr WT	61.95
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	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		83.4 %	85.4 %	85.5 %	
Power Factor		58.4	71.5	78.2	
Current (A)	0.8 A	1.0 A	1.2 A	2.8 / 1.4 A	13.0 A
Inverter Duty	VT	20:1	CT	4:1	

Mechanical Data					
SAFE STALL TIME	HOT (s)	18	COLD (s)	26	
Rtr wt (lbs)	13.15	Rtr WK2	0.15		
FLT (lb-ft)	3.000	LRT	300	BDT	383
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	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

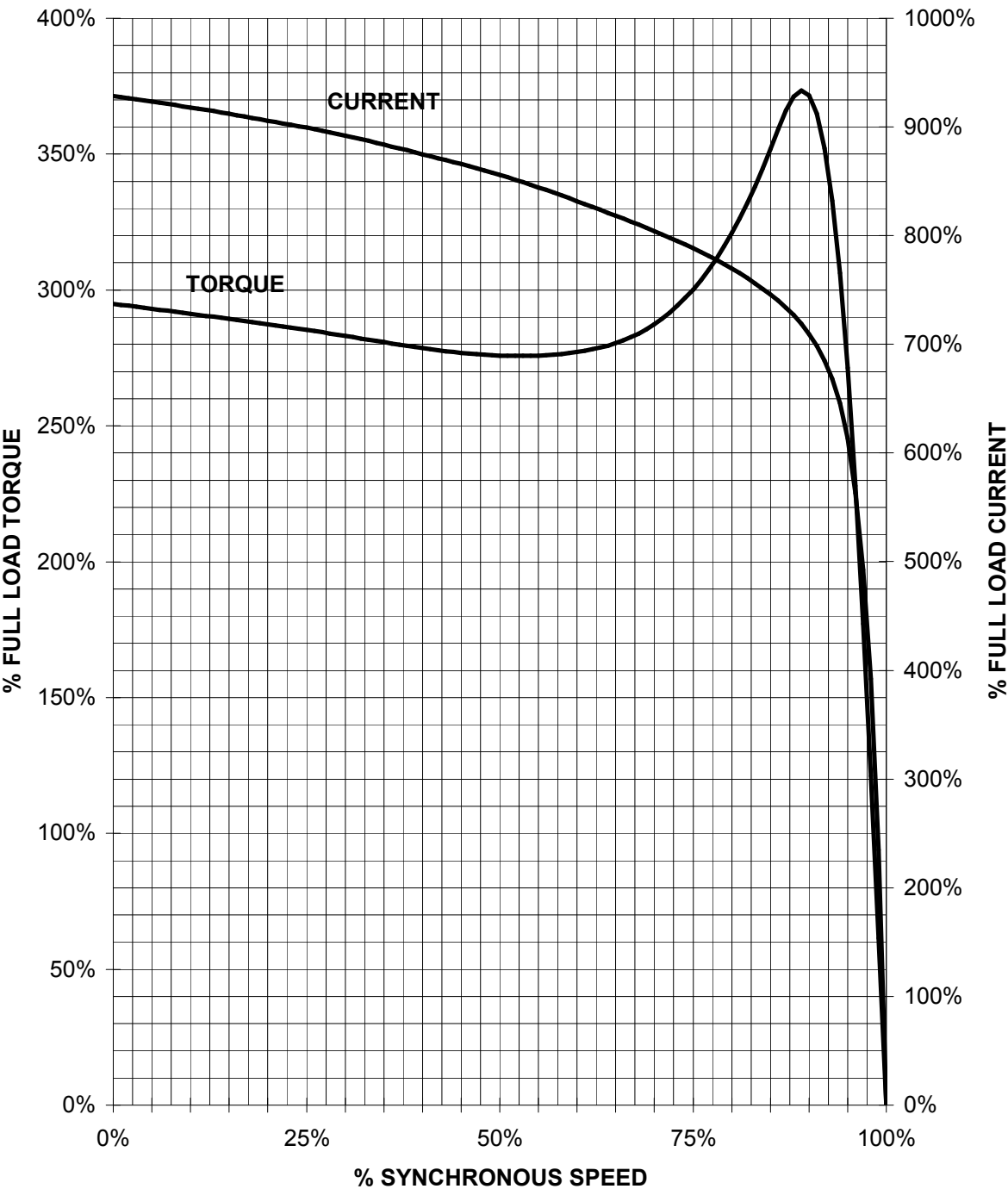
Lubrication Information	
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Manufacturer Mobil Polyrex EM or equal
Type Polyurea (standard)
DE Capacity (oz.) 0.30
ODEnd Capacity (oz.) 0.30

SIEMENS INDUSTRY, INC.

HP 1 VOLTS < 600V RPM 1800 TYPE GP100
HZ 60 PHASE 3 FRAME 143T NEMA B

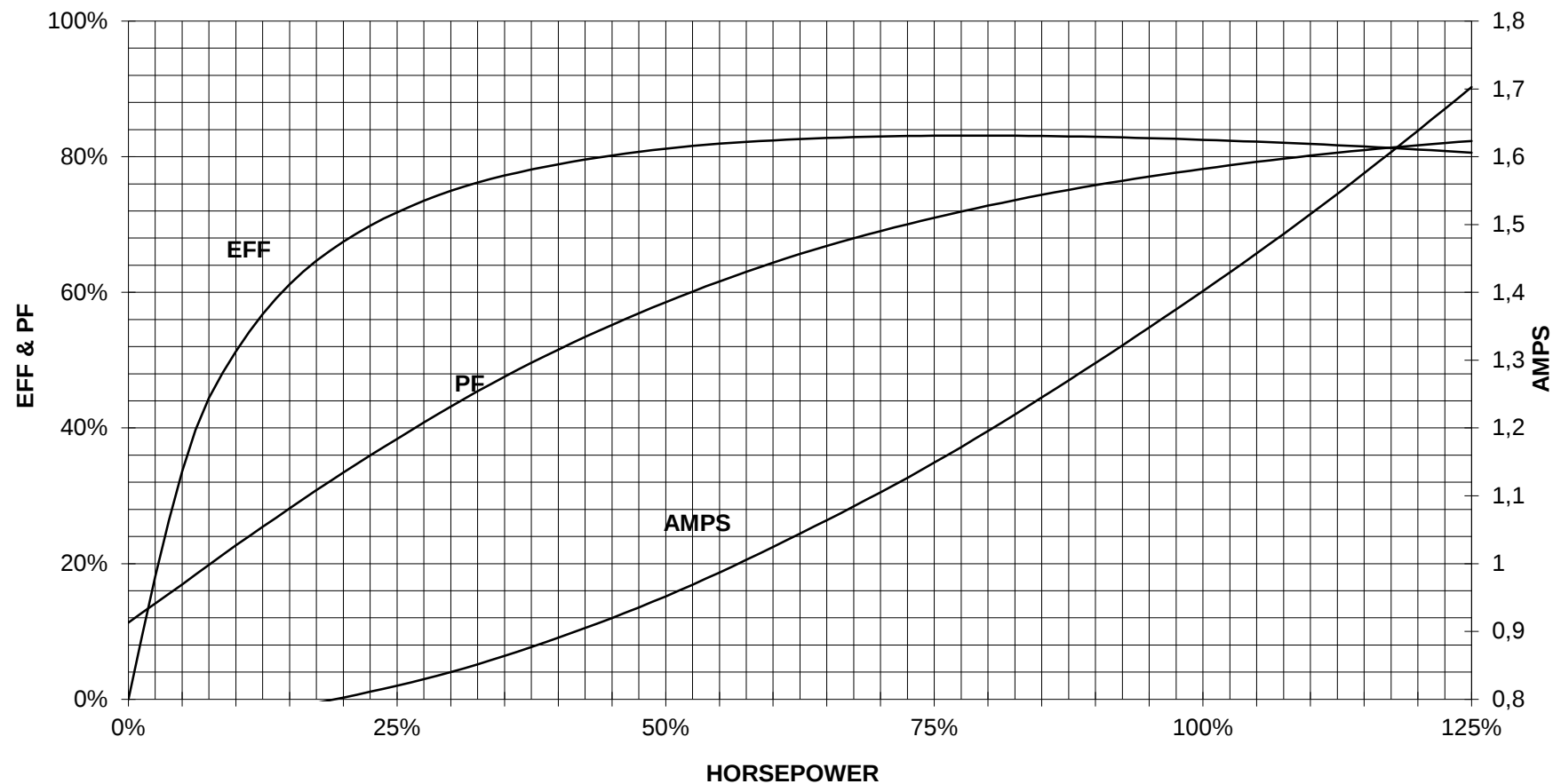
TORQUE & CURRENT VS. SPEED



CUSTOMER: ORDER#:

1 HP 1800 RPM 143T FRAME 460 VOLTS 3 PHASE NEMA DESIGN B

SIEMENS INDUSTRY, INC.
PERFORMANCE CURVE
GP100



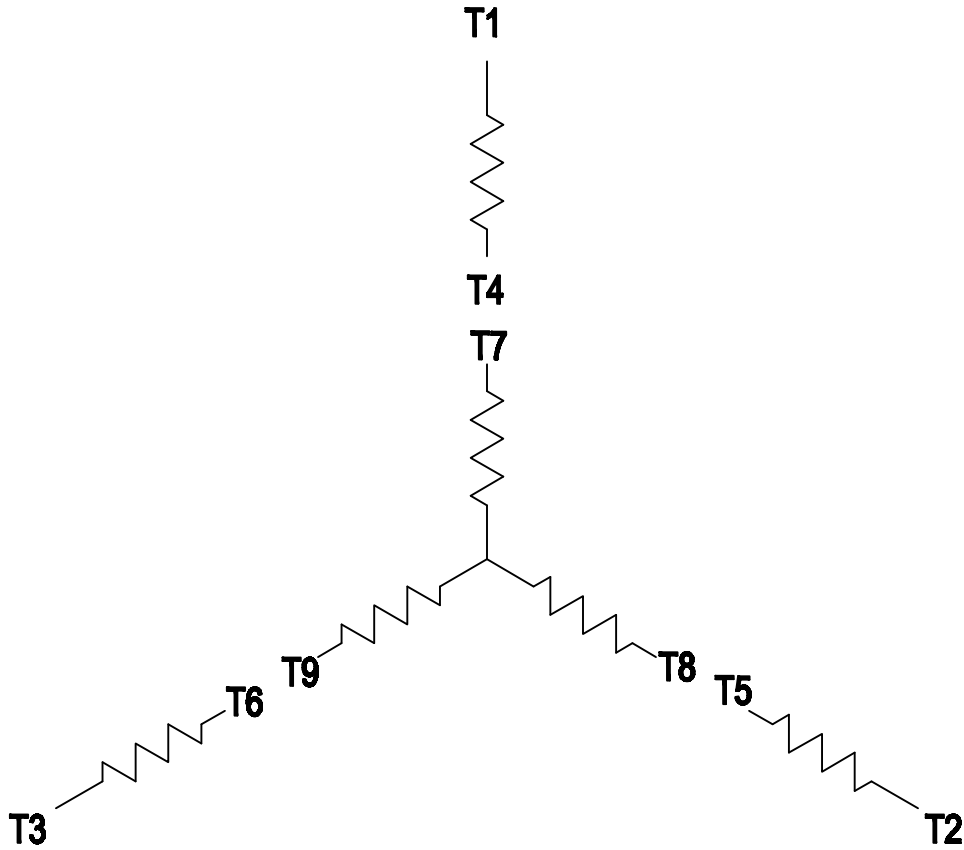
CUSTOMER _____ ORDER # _____ PO # _____

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

A