



NEMA Motor Data

MLFB-Ordering data : 1LE2221-4CB23-2AA3

Client order no. :
Order no. :
Offer no. :
Remarks :

Item no. :
Consignment no. :
Project :

Nameplate Data	Mounting and motor protection
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Type:		Rating	Cont.
HP	150.0	Ins. Class	Class F (Standard)
Voltage	(32) 460V 60Hz	S.F.	1.15
Amps	170.0 A	Amb. Temp.	40 deg C
FL RPM	1785	Temp. Rise	Class B
FL Efficiency	95.8 %	kVA Code	G
FRAME	445T	NEMA Des	B
DE AFBMA	90RU03M0	Mtr WT	1865.03
ODE AFBMA	80BC03JP30	IP	54
60 Hertz	3 Ph TEFC		

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

Bearing Data		
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	DE	ODE
Bearing Size	NU 318	6316 Z C3 S0
Bearing Type	Roller Bearing	Ball Bearing
AFBMA	90RU03M0	80BC03JP30

Typical Performance Data					
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Load	No Load	1/2	3/4	Full Load	LRC
Efficiency		95.7 %	96.0 %	95.8 %	
Power Factor		78.0	84.0	86.0	
Current (A)	52.0 A	94.1 A	130.6 A	170.0 A	1085.0 A
Inverter Duty	VT	20:1	CT	4:1	

Mechanical Data					
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SAFE STALL TIME	HOT (s)	20	COLD (s)	30
Rtr wt (lbs)	468.49	Rtr WK2	44.9	
FLT (lb-ft)	441.000	LRT	150	BDT 200
Ext Load Inertia (WK2) Capability	105.0 lb-ft ²			

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	73	
at 3 feet	54	64	70	67	66	59	49	SPwrL	84	

Wiring Connection Information					
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Description	3 PHASE - 6 LEAD - WYE/DELTA				
Voltage	L1	L2	L3	Connected together	
START	T1	T2	T3	T4 T5 T6	Y
RUN	T1 T6	T2 T4	T3 T5	-- --	Δ

Special design :

Lubrication Information	
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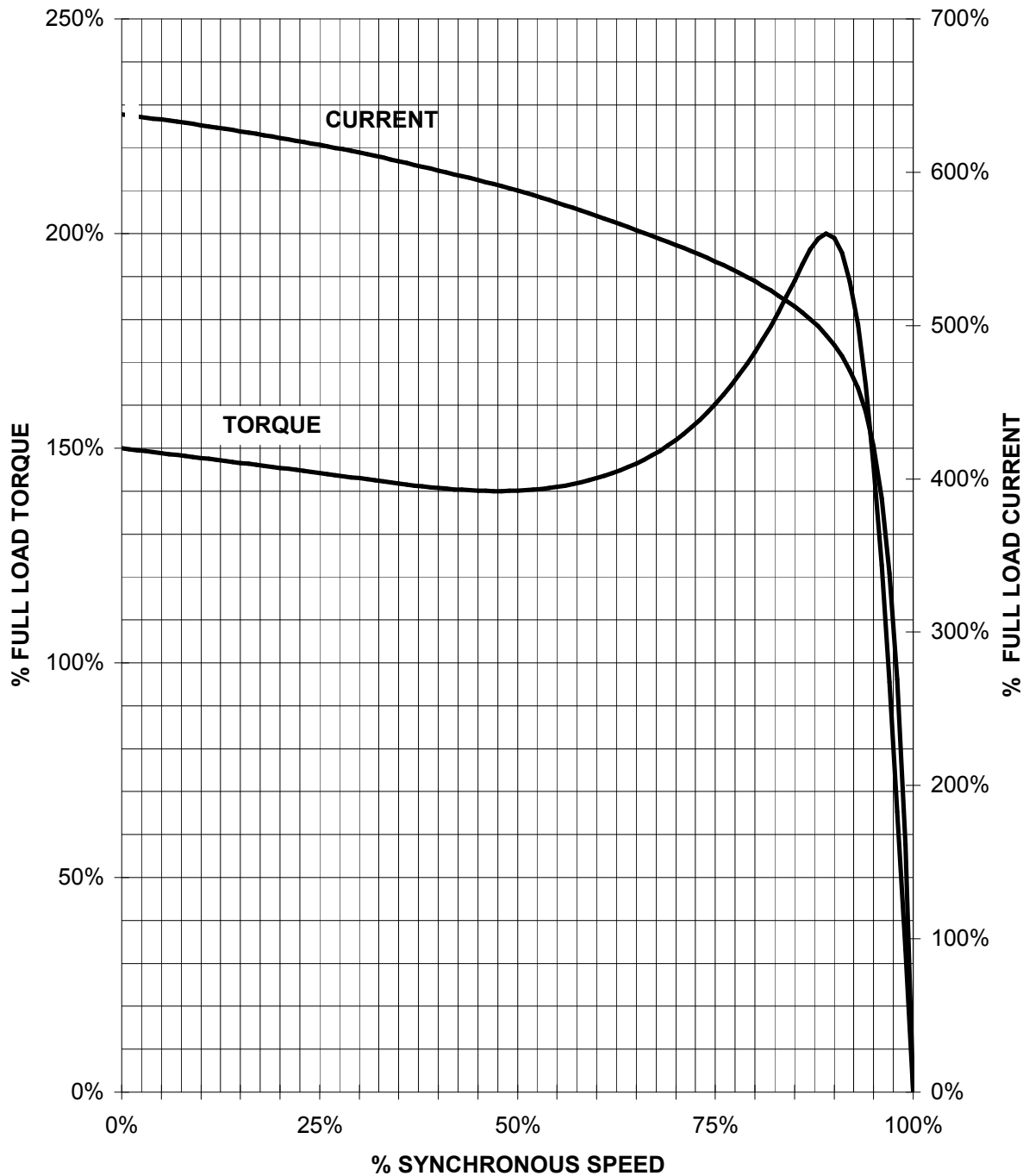
Manufacturer	Mobil Polyrex EM or equal
Type	Polyurea (standard)
DE Capacity (oz.)	14.50
ODEnd Capacity (oz.)	7.50

Relubricate bearings every six months (more frequent if conditions require). See Instruction Manual.

SIEMENS INDUSTRY, INC.

HP 150 VOLTS < 600V RPM 1800 TYPE GP100
HZ 60 PHASE 3 FRAME 445T NEMA B

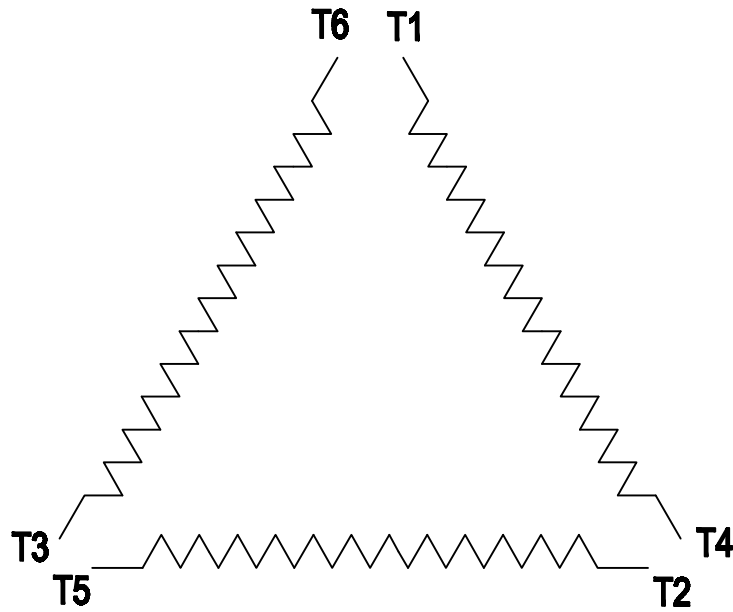
TORQUE & CURRENT VS. SPEED



CUSTOMER: _____ ORDER#: _____

6 LEAD WYE DELTA START

	LINES			CONNECTED TOGETHER	CONN.
	L1	L2	L3		
START	T1	T2	T3	T4 T5 T6	Y
RUN	T1T6	T2 T4	T3T5		△



THIS IS A CAD DRAWING
DO NOT MAKE MANUAL CHANGES

01 | 10-4-07

TYPE

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Siemens Energy & Automation, Inc.
Industrial Motor Division - Little Rock, AR

FRAME HP

NAME
WIRING DIAGRAM

VOLTS RPM HZ PH
3

Customer

DRAWN 10.4.07 DATE JRH
CHECKED DATE
APP DATE

PO # SO #

SHEET 1 OF 1 Sim. To PART NO. 51-697-465

A