



NEMA Motor Data

MLFB-Ordering data : 1LE2321-4CB53-2AA3-Z
D05

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

Nameplate Data	Mounting and motor protection
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Type: SD100 - NEMA Premium Efficiency					
HP	250.0	Rating	Cont.		
Voltage	(32) 460V 60Hz	Ins. Class	Class F (Standard)		
Amps	278.0 A	S.F.	1.15		
FL RPM	1785	Amb. Temp.	+40C TO -20C		
FL Efficiency	96.2 %	Temp. Rise	Class B		
FRAME	449T	kVA Code	H		
DE AFBMA	100RU03M0	NEMA Des	A		
ODE AFBMA	80BC03JP30	Mtr WT	2435		
60 Hertz	3 Ph	TEFC	IP	55	

Type of construction	(A) Foot mounted - End shield
Motor protection	(A) Without Protection
Terminal box design	(3) F-1, Standard Floor Mount, T. Box

Bearing Data		
	DE	ODE
Bearing Size	NU 320	6316 Z C3 S0
Bearing Type	Roller Bearing	Ball Bearing
AFBMA	100RU03M0	80BC03JP30

Typical Performance Data					
Load	No Load	1/2	3/4	Full Load	LRC
Efficiency		96.1 %	96.3 %	96.2 %	
Power Factor		78.0	85.0	87.0	
Current (A)	90.0 A	156.1 A	214.5 A	278.0 A	2100.0 A
Inverter Duty	VT	20:1	CT	4:1	

Mechanical Data					
SAFE STALL TIME		HOT (s)	18	COLD (s)	25
Rtr wt (lbs)	680.14	Rtr WK2	69.6		
FLT (lb-ft)	735.0	LRT (%)	140	BDT (%)	200
Ext Load Inertia (WK2) Capability			1020.0 lb-ft²		
Brake:	without				

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	75
at 3 feet	57	61	71	69	67	59	50	SPwrL	86

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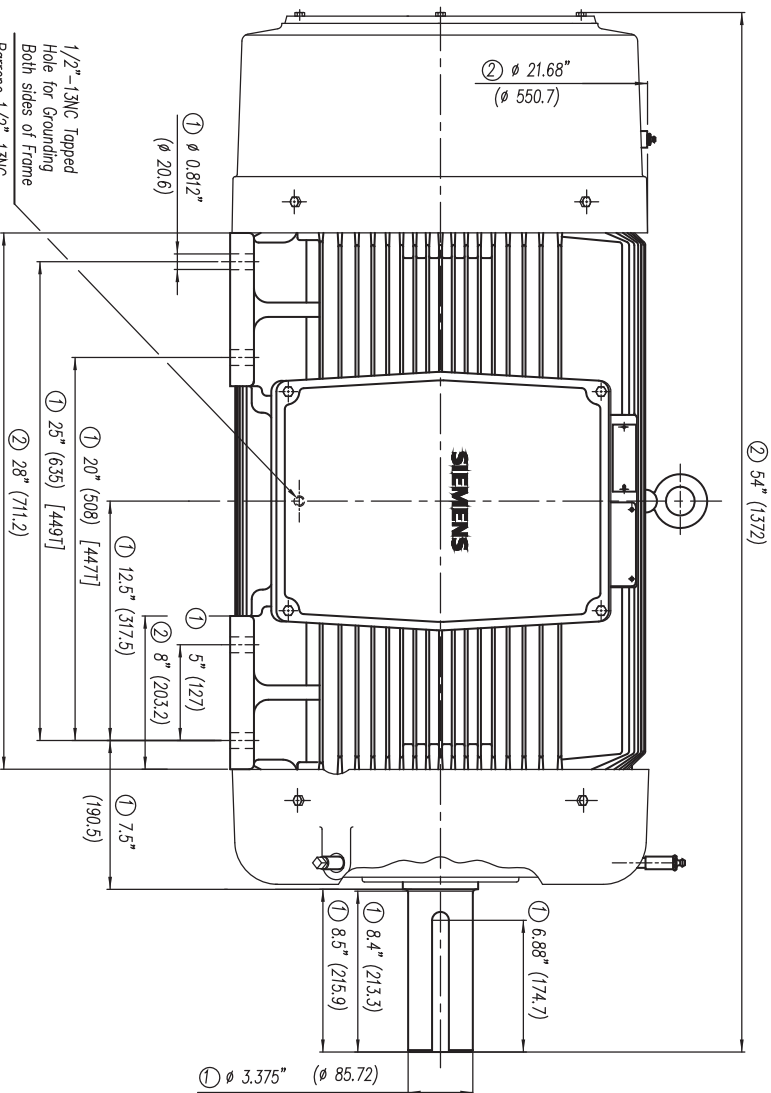
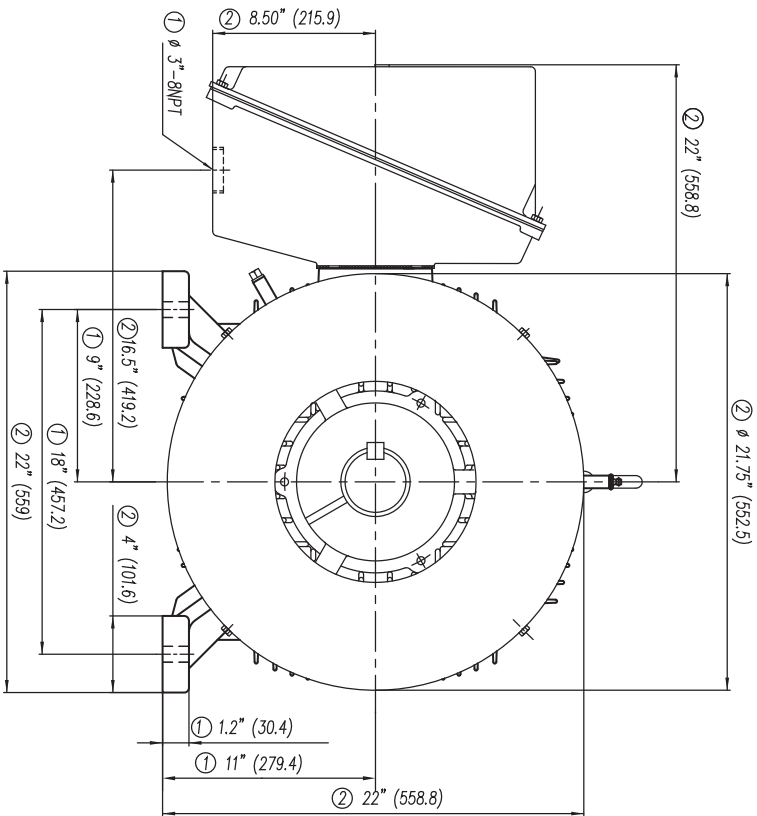
Description	3 PHASE - 6 LEAD - WYE/DELTA				
Voltage	L1	L2	L3	Connected together	
START	T1	T2	T3	T4 T5 T6	Y
RUN	T1 T6	T2 T4	T3 T5	-- --	Δ

D05 Documentation in Spanish

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.

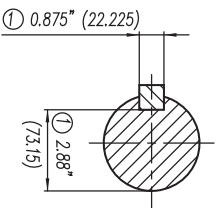


1/2"-13NC Tapped
Hole for Grounding
Both sides of Frame
Barreno 1/2"-13NC
para Tierra, en ambos
lados de la Carcasa

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

CERTIFIED PRINT/CERTIFICACION

DIMENSIONES		SALIDA CERTIFICADA	
PROYECTO/COMPANIA	PROYECTO/COMPANIA	TIPO/PROYECTO	TIPO/PROYECTO
PROYECTO/COMPANIA	PROYECTO/COMPANIA	TIPO/PROYECTO	TIPO/PROYECTO
PROYECTO/COMPANIA	PROYECTO/COMPANIA	TIPO/PROYECTO	TIPO/PROYECTO



Keyseat detail Detalle Cuñero

Tol. in mm. acc. to Tol. en mm. según DIN-1686-GTB-19		European Projection/Proyección Europea		Modific.		NOTE: Changed the type of motor. NOTA: Se cambio el tipo de motor	
Over/desde	to/hasta	± 4.5	± 4.7	Dim. in inches/Dim. en pulg	Date/Fecha	Name/Nombre	Scale/Escala
18	30	± 4.5	± 4.7	Drawn/Elab.	16/01/09	J. Carvajal	---
30	50	± 5	± 5.5	Check/Rev.			---
50	80	± 5.5	± 6	Std Ctd/Aut			---
80	120	± 6	± 6.5				---
120	180	± 6.5	± 7				---
180	250	± 7	± 7.5				---
250	315	± 7.5	± 8				---
315	400	± 8	± 8.5				---
400	500	± 8.5	± 9.5				---
500	630	± 9.5	± 10				---
630	800	± 10					---

SIEMENS

GUADALAJARA FACTORY

3MSE 750 0656 b)

Ref.

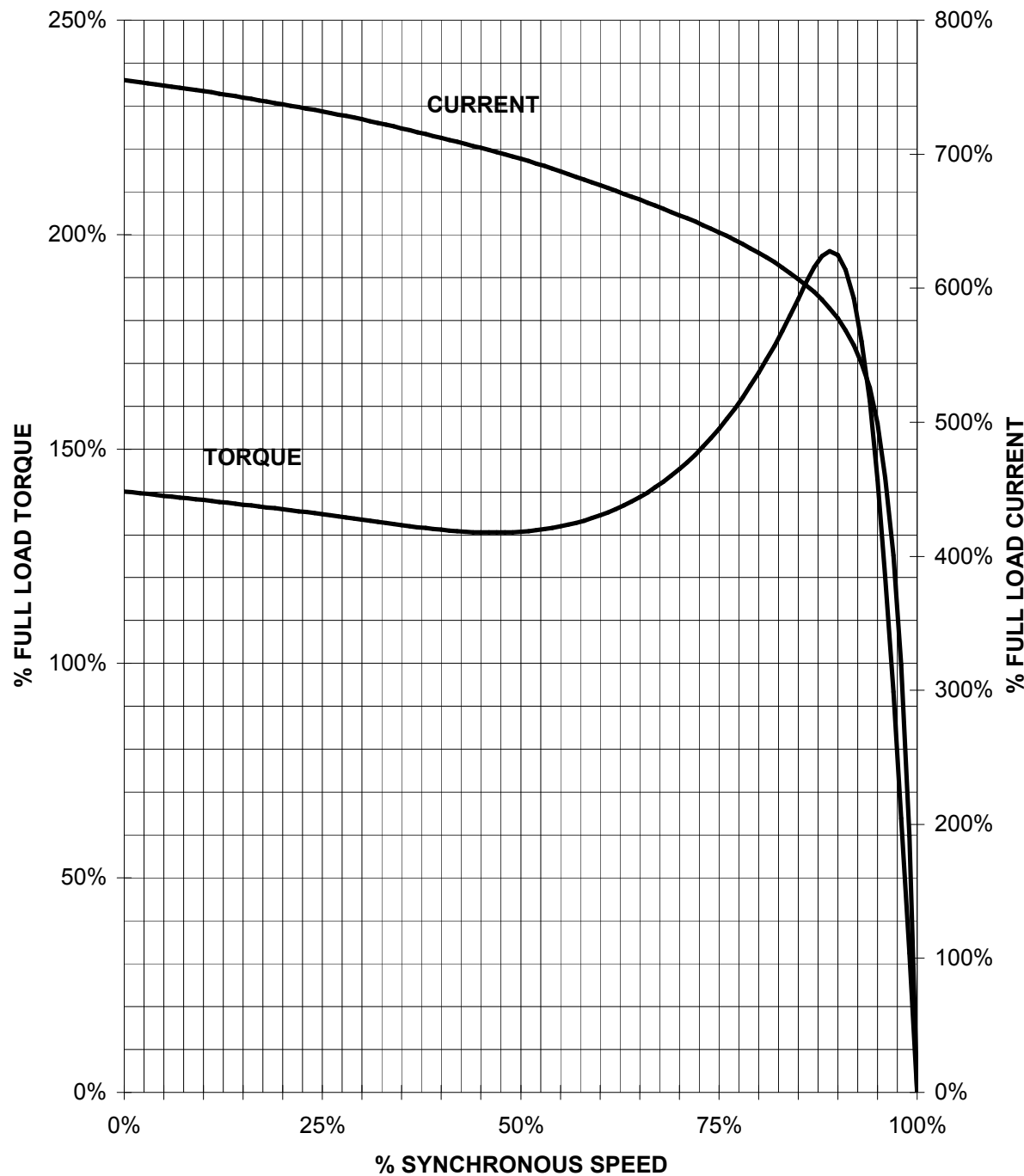
Rep./ 3MSE 750 0656 b)

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SIEMENS INDUSTRY, INC.

HP 250 VOLTS < 600V RPM 1800 TYPE SD100
HZ 60 PHASE 3 FRAME 449T NEMA B

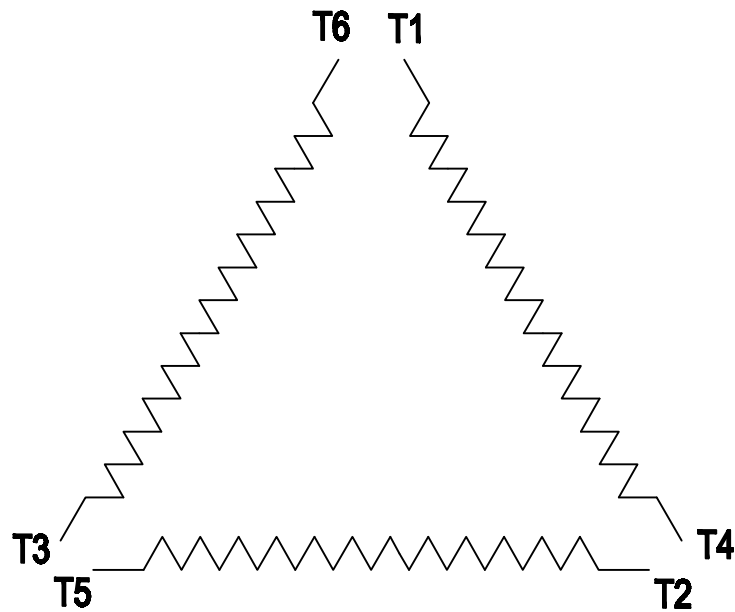
TORQUE & CURRENT VS. SPEED



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		-CONFIDENTIAL- PROPERTY OF 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		PO #	
		CHECKED		DATE		SHEET 1 OF 1	
		APP		DATE		Sim. To	
						PART NO. 51-697-465	
						A	