

Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS

Motor type: SD200 NEMA Premium 841 **FS: 444TS - 4p - 125 hp -**

Client order no.	Item-No.	Offer no.
Order no.	Consignment no.	Project

Remarks

Electrical data **Class I Division 2 Gr. A, B, C or D T3 Class II**
Division 2 Gr. F or G T3C

U [V]	Δ/Y	f [Hz]	P [HP]	P [kW]	n [rpm]	I Load [Amps]					LRC	Nom. Eff Load [%]			Pwr. Factor Load [%]			Torque [lb-ft]	T _A /T _N LRT [%]	T _k /T _N BDT [%]
						4/4	3/4	1/2	0	4/4		3/4	2/4	4/4	3/4	2/4				
575	Δ	60	125.00	93.25	1,785	123.2	96.70	74.20	50.40	725.6	95.4	95.6	95.2	80.0	76.0	66.3	366.0	200	280	

Frame Type: 444TS	Type of constr.: (A) Foot Mounted Horizontal (IMB3)	Ins. Cl.: Standard Class H Insulation	Motor Prot.: A: No Winding Protection	NEMA Des.: B	S.F.: 1.15
Mtr. WT: 1,434		Temp. Rise Cl.: B	Amb. Temp.: + 40 to °C @1000 m	kVA: G	IP 55

Mechanical data

Sound level (SPL / SWL) at 60 Hz	77.0 dB(A) / 88.0 dB(A)		Thickener	Polyurea					
Octave Band Center Frequencies Hertz			Safe Stall Time Hot	30 s					
	250	500	1000	2000	4000	8000	Hz	Safe Stall Time Cold	25 s
SPL@3	63.0	70.0	73.0	70.0	62.0	55.0	dB(A)	Frame material	Cast iron
Moment of inertia	37.7 Lb-ft ²		Color, paint shade	RAL 7030					
Ext Load Inertia Capability:	542.0 Lb ft ²		Coating (paint finish)	Standard Alkyed + Epoxy (C2)					
Bearings			Ventilation Type						
Bearing DE NDE	6315 Z C3 S0		6315 Z C3 S0	Method of cooling	TEFC				
Bearing_Type	Ball Bearing		Ball Bearing	Direction of rotation	Bi-Directional				
AFBMA:	75BC03JP3		75BC03JP3	Fan Material	Polypropylene ESD				
Grease			VFD	CT: 4:1 VT: 20:1					
Capacity	15 oz		15 oz	Space heaters	without				
Grease Type:	Exxon Mobil EM		Brake:	-/-					

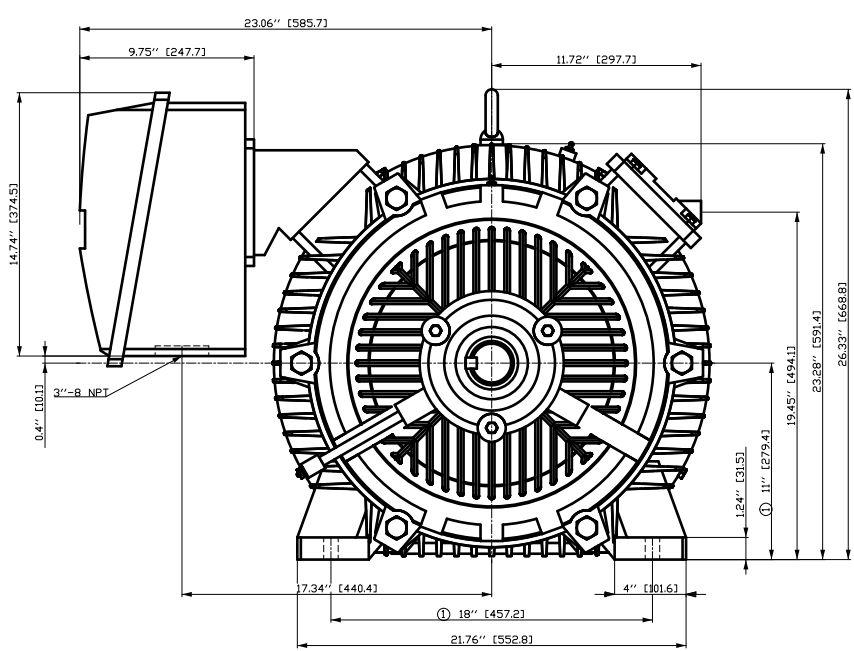
Terminal box

Lead Wire Connection	3 TERMINAL - Connection DELTA				Terminal box position	(1) LHS Mount - View From DE (F-1) - DE or Center of Motor
Voltage	L1	L1	L1	Connected together	Material of terminal box	Cast Iron
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RUN	T1	T2	T3	---		

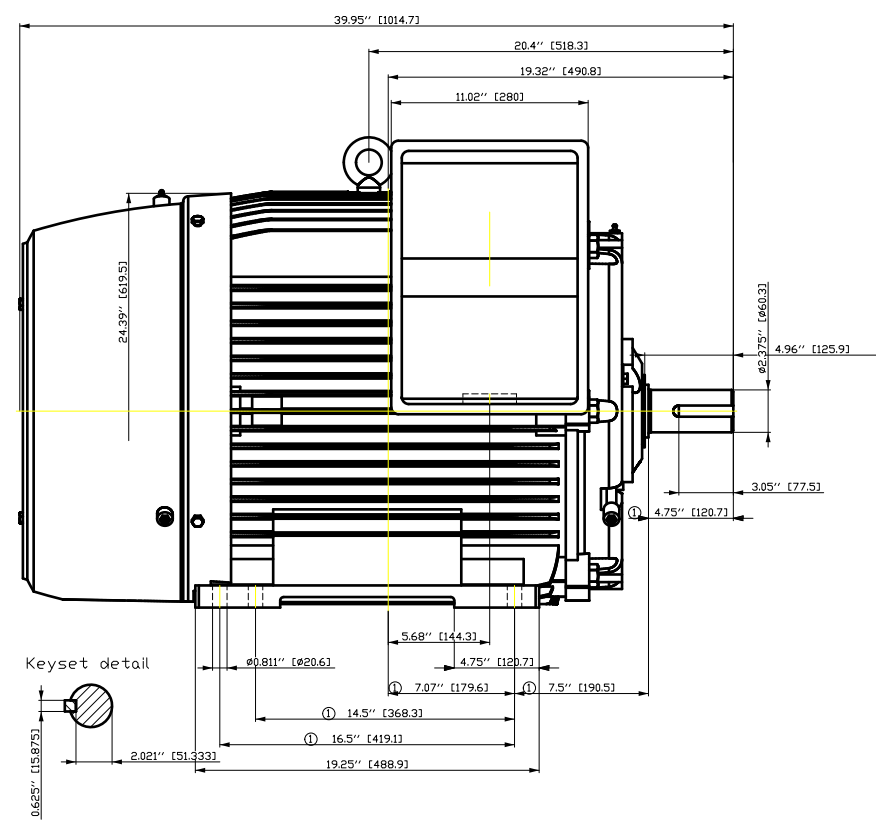
Notes:
 I_L/I_N = locked rotor current / current nominal
 M_L/M_N = locked rotor torque / torque nominal
 M_d/M_N = break down torque / nominal torque
 3) Value is valid only for DOL operation with motor design IC411
 2) at rated power / at full load

responsible dep. DI MC LVM	technical reference	created by DT Configurator	approved by	<i>Technical data are subject to change! There may be discrepancies between software and hardware versions.</i>
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	title 1LE6322-4FB11-3AA1	document number		
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① Tolerances according to NEMA std.
 All dimensions corresponding to assemblies and castings shall have a tolerance as per ISD 8062-3 DCTG 12.



Keypad detail

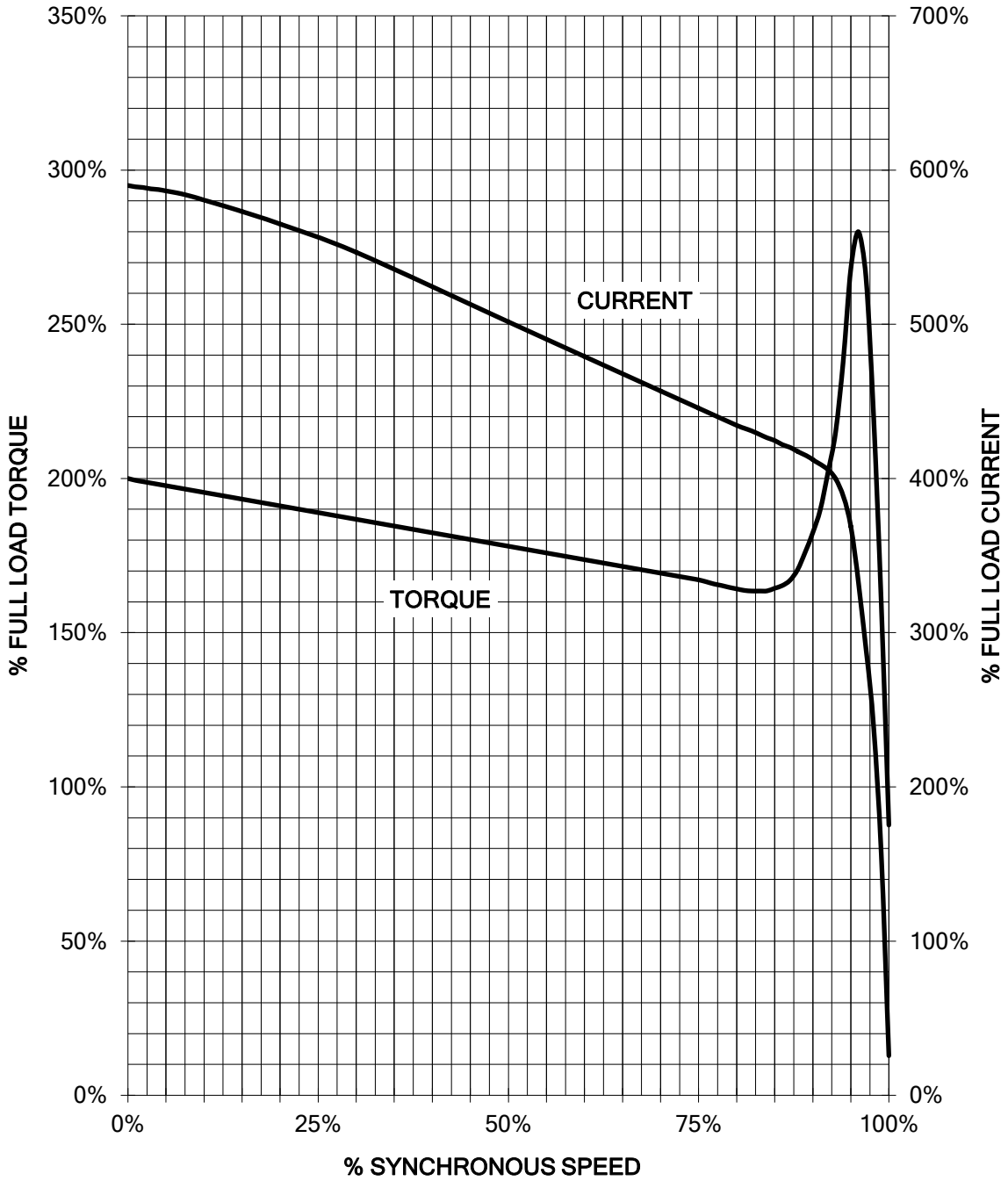
Tolerance	Surface	Material	Weight	Scale
F501 HG32 00FFH00F	Author	ÖS	E	1:1
E	Creator			
	Approval			
	Department			
	Change Order	MFB		Doc Type
	Doc State	I EHG		Paper Size
	Revision	Index RS		1st Language
© Siemens AG 2018	Project No	E		2nd Language
				Sheet

刀线... 用... 文... 金... 属... 积...
 01... 02... 03... 04... 05... 06... 07... 08... 09... 10... 11... 12... 13... 14... 15... 16... 17... 18... 19... 20... 21... 22... 23... 24... 25... 26... 27... 28... 29... 30... 31... 32... 33... 34... 35... 36... 37... 38... 39... 40... 41... 42... 43... 44... 45... 46... 47... 48... 49... 50... 51... 52... 53... 54... 55... 56... 57... 58... 59... 60... 61... 62... 63... 64... 65... 66... 67... 68... 69... 70... 71... 72... 73... 74... 75... 76... 77... 78... 79... 80... 81... 82... 83... 84... 85... 86... 87... 88... 89... 90... 91... 92... 93... 94... 95... 96... 97... 98... 99... 100...

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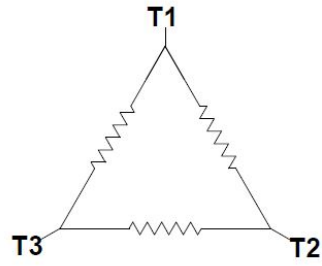
HP 125 VOLTS 460 RPM 1785 TYPE SD200
HZ 60 PHASE 3 FRAME 444T NEMA B

TORQUE & CURRENT VS. SPEED



Unrestricted CUSTOMER: _____ ORDER#: _____

Main terminal diagram

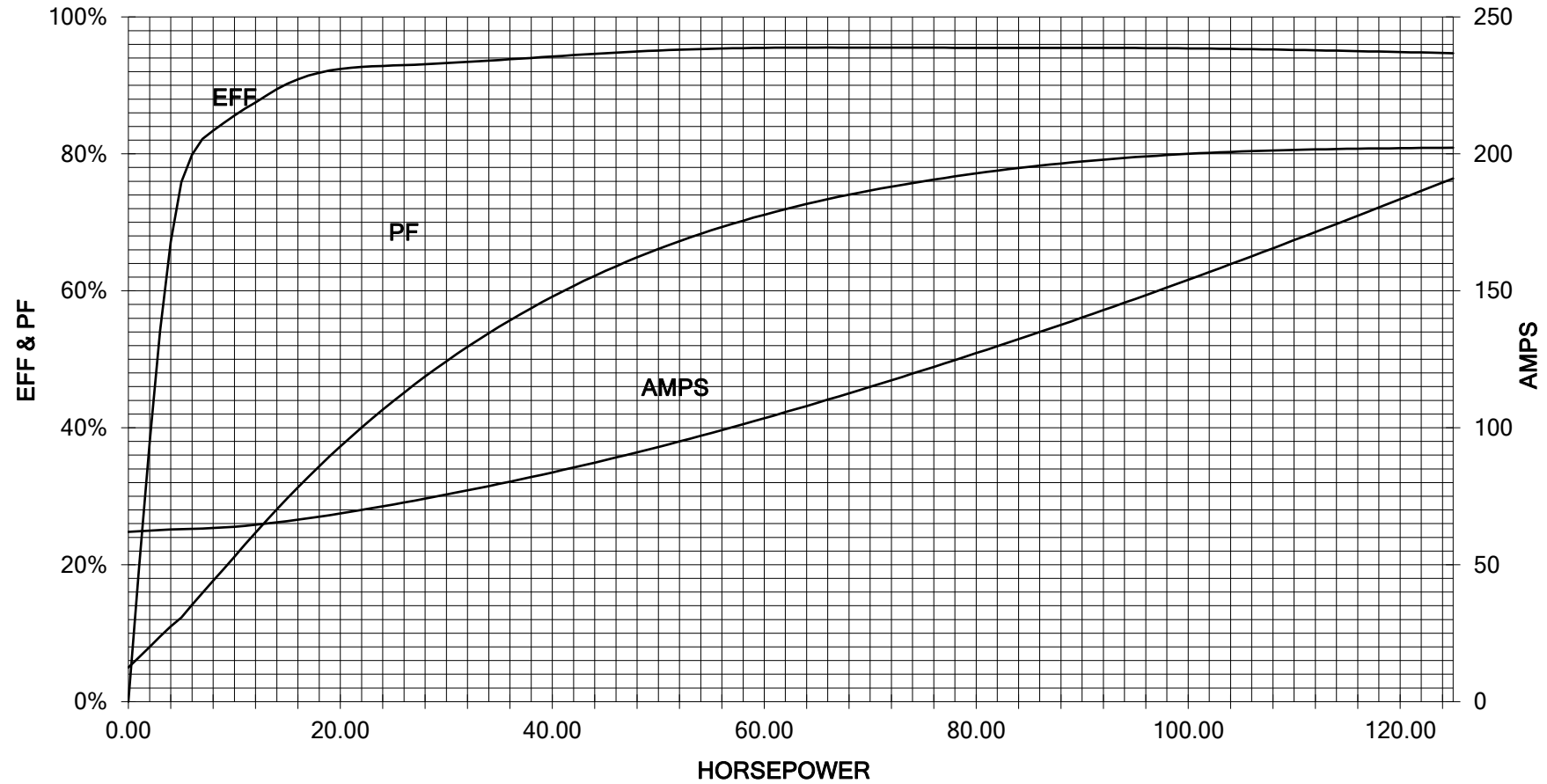


3 LEAD DELTA			
LINES			CONN.
L1	L2	L3	
T1	T2	T3	Δ

responsible dep. DI MC LVM	technical reference	created by	approved by	Project
SIEMENS	document type Wiring Diagram	document status free		customer
	title 1LE6322-4FB11-3AA1	document number		
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125 HP 1800 RPM 444T FRAME 460 VOLTS 3 PHASE NEMA DESIGN B

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PERFORMANCE CURVE
SD200



Unrestricted CUSTOMER _____ ORDER # _____ PO # _____

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

REV. 1

2

1

3 PHASE - 3 LEADS - DELTA

L1	L2	L3	CONN.
T1	T2	T3	△



B

B

A

A

THIS IS A CAD DRAWING
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01 | 09-27-07

TYPE

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Industrial Motor Division - Little Rock, AR

FRAME

HP

NAME
WIRING DIAGRAM

VOLTS

RPM

HZ

PH

Customer

3

PO #

SO #

DRAWN 9.24.07 DATE JRH

CHECKED DATE

APP DATE

SHEET
1 OF 1

Sim. To

PART NO.
51-382-114-504

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