

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

Motor type: **SD200 NEMA Premium 841** FS: 444T - 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				
460	Δ	60	125.00	93.25	1,785	154	120.80	92.70	63.00	907.0	95.4	95.6	95.2	80.0	76.0	66.3	366.0	200	280	
Frame Type: 444T		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: 1,480						Temp. Rise Cl.: B		Amb. Temp.: + 40 to °C @1000 m			kVA: G		IP 55							


Mechanical data

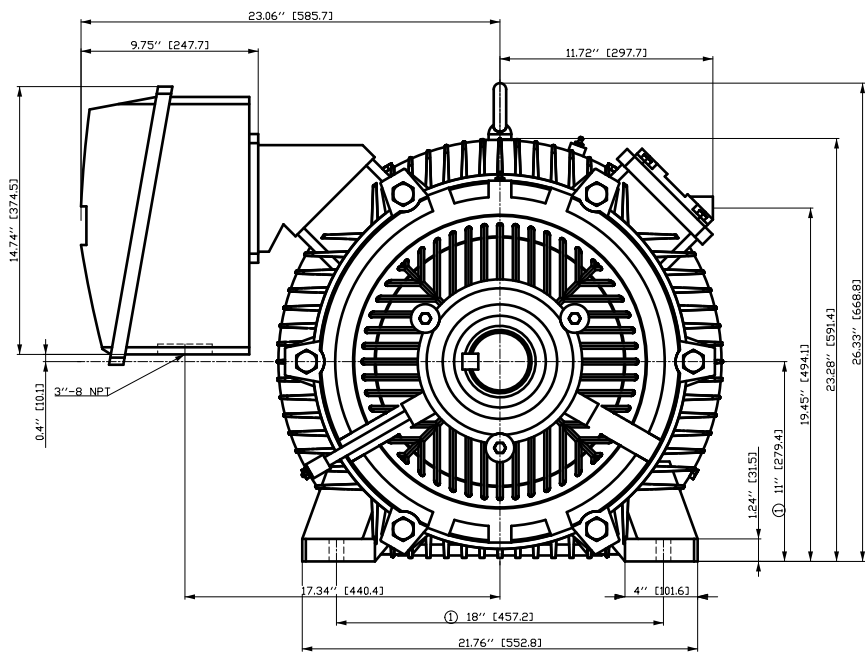
Sound level (SPL / SWL) at 60 Hz	77.0 dB(A) / 88.0 dB(A)	Thickener	Polyurea						
Octave Band Center Frequencies Hertz		Safe Stall Time Hot	20 s						
250	500	1000	2000	4000	8000	Hz	Safe Stall Time Cold	25 s	
SPL@3	63.0	70.0	73.0	70.0	62.0	55.0	dB(A)	Frame material	Cast iron
Moment of inertia	37.7 Lb-ft 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	6320 Z C3 S0	6315 Z C3 S0	Method of cooling	TEFC					
Bearing_Type	Ball Bearing	Ball Bearing	Direction of rotation	Bi-Directional					
AFBMA:	100BC03JP3	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
---	---	---	---	---	Cable entry	(1) 3" NPT
RUN	T1	T2	T3	---		

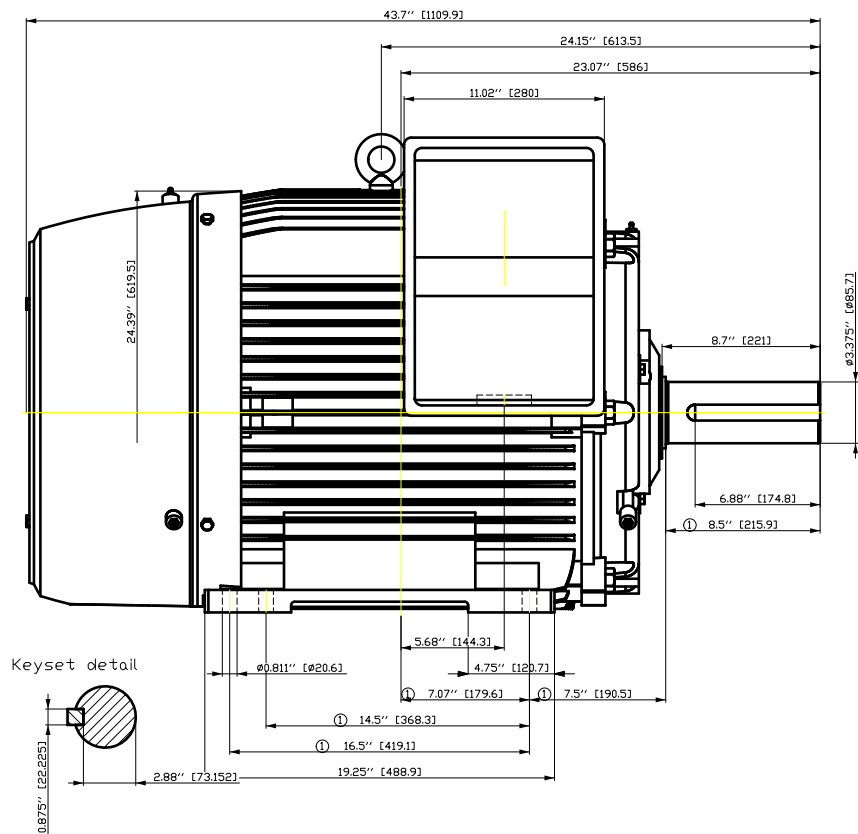
Notes:					
I _L /I _N = locked rotor current / current nominal		3) Value is valid only for DOL operation with motor design IC411			
M _L /M _N = locked rotor torque / torque nominal		2) at rated power / at full load			
M _k /M _N = break down torque / nominal torque					

responsible dep.	technical reference	created by	approved by	<i>Technical data are subject to change! There may be discrepancies between software and hardware versions</i>	
DI MC LVM		DT Configurator			
	document type	document status		customer	
	datasheet	released			
	title	document number			
	1LE6322-4BB11-2AA1				
© Siemens AG 2022	rev.	creation date	language	Page	
	01	2022-04-09 01:25	en	1/1	

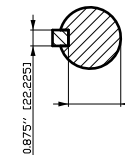


① Tolerances according to NEMA std.

All dimensions corresponding to assemblies and castings shall have a tolerance as per ISO 8062-3 DCTG 12.



Keyset detail

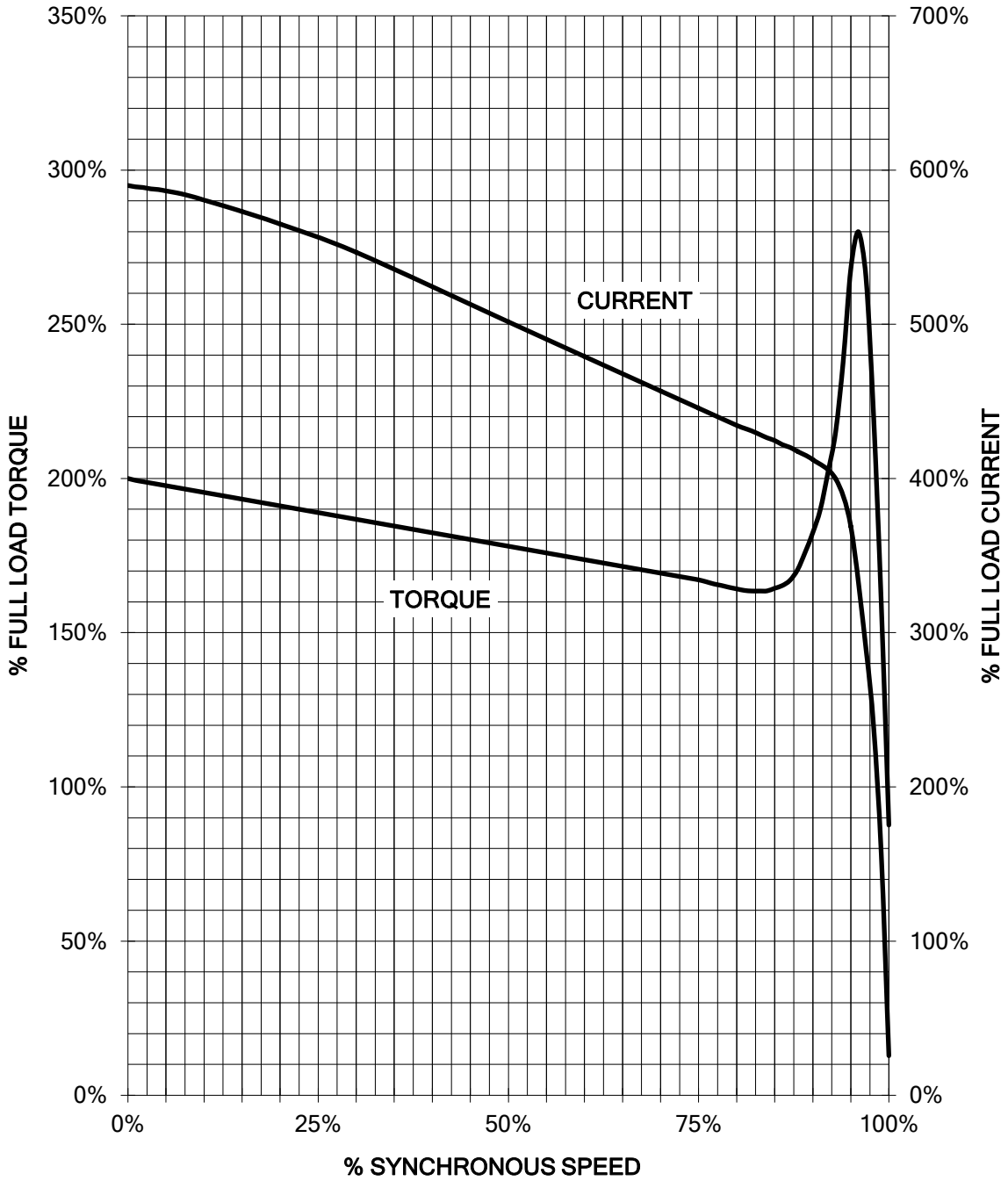


Tolerance	Surface	Material	Weight	Scale
F501 HGGE ÓOFFÉ300F	Author	ÖVŠ T æ : ^æ@` } *	E	
E	Creator			
	Approval			
	Department			
	Change Order	MFB	Doc Type	/
	Doc State	I EEEG	Item No	Paper Size
	Revision	Index RS	Doc No	1st Language
				2nd Language
© Siemens AG	Project No	E	Ref No	E
2018				Sheet F of F

SIEMENS INDUSTRY, INC.

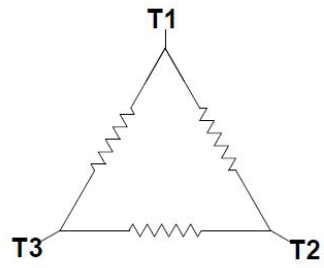
HP 125 VOLTS 460 RPM 1785 TYPE SD200
HZ 60 PHASE 3 FRAME 444T NEMA B

TORQUE & CURRENT VS. SPEED




Unrestricted CUSTOMER: _____ ORDER#: _____

Main terminal diagram

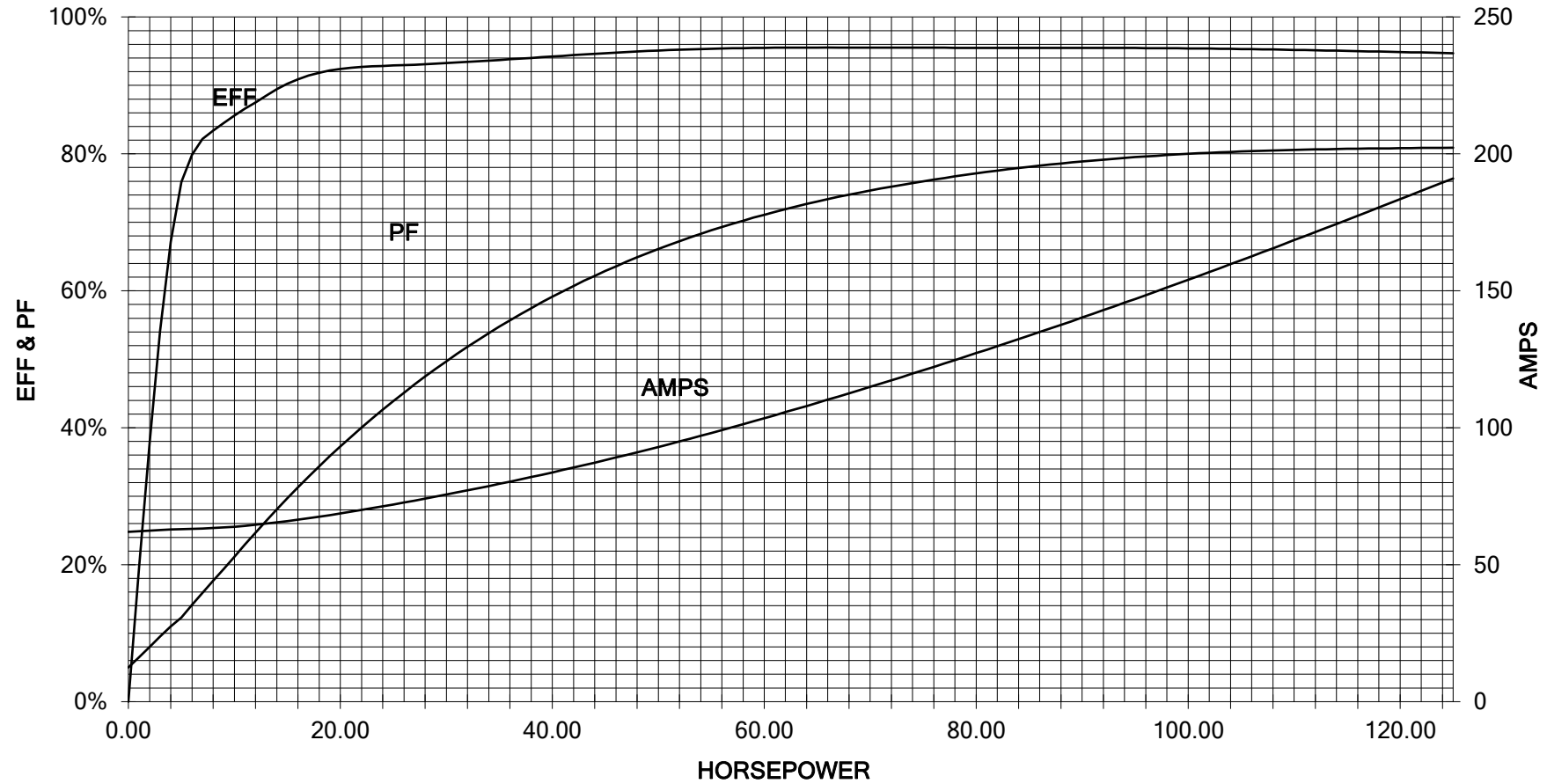


3 LEAD DELTA			
LINES			CONN.
L1	L2	L3	
T1	T2	T3	Δ

responsible dep. DI MC LVM	technical reference	created by	approved by	Project	
	document type Wiring Diagram		document status free		customer
	title 1LE6322-4BB11-2AA1		document number		
© Siemens AG 2019			rev. 01	creation date 12/03/2019	language en Page 1/1

125 HP 1800 RPM 444T FRAME 460 VOLTS 3 PHASE NEMA DESIGN B

SIEMENS INDUSTRY, INC.
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
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

VOLTS

RPM

HZ

PH

3

Customer

DRAWN 9.24.07

DATE JRH

CHECKED

DATE

APP

DATE

SHEET

1 OF 1

Sim. To

PART NO.

51-382-114-504

A

2

1