

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

Motor type: SD100 FS: 215T - 4p - 10 hp -

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

Electrical data	Class I Division 2 Gr. A, B, C or D
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Class I Division 2 Gr. A, B, C or D

[illegible]

Frame Type: 215T	Type of constr.: (A) Foot mounted - End shield	Ins. Cl.:Standard Class F Insulation	Motor Prot.:(A) Without Protection	NEMA Des.: B	S.F.: 1.15
Mtr. WT:180		Temp. Rise Cl.: B	Amb. Temp.: + 40 to -20 °C @1000 m	kVA: H	I.P.: 55

Mechanical data

Sound level (SPL / SWL) at 60 Hz								57.0 dB(A) / 69.0 dB(A)	
Octave Band Center Frequencies Hertz									
	250	500	1000	2000	4000	8000	Hz		
SPL@3	37.0	44.0	54.0	53.0	44.0	35.0	dB(A)		
Moment of inertia								0.9 Lb-ft²	
Ext Load Inertia Capability:								51.0 Lb ft²	
Bearings									
Bearing DE NDE				6208 Z C3 S0		6208 Z C3 S0			
Bearing_Type				Ball Bearing		Ball Bearing			
AFBMA:				40BC02JP30		40BC02JP30			
Grease									
Capacity				0.30 oz		0.30 oz			
Grease Type:				Exxon Mobile EM					
Thickener								Polyurea	
Safe Stall Time Hot								20 s	
Safe Stall Time Cold								36 s	
Frame material								cast iron	
Color, paint shade								Standard Paint - RAL7030	
Coating (paint finish)								Standard Alkyed + Epoxy (C2)	
Ventilation Type									
Method of cooling								TEFC	
Direction of rotation								Bidirectional	
Fan Material								Polypropylen ESD	
VFD								CT: 20:1 VT: 20:1	
Space heaters								without	
Brake:								without	

Terminal box

Lead Wire Connection					9 LEAD - WYE	Terminal box position	(3) F-1, Standard Floor Mount, T. Box LHS
Voltage	L1	L1	L1	Connected together	Material of terminal box	Cast Iron	
LOW	T1 T7	T2 T8	T3 T9	T4 T5 T6	Cable entry	1" NPT	
HIGH	T1	T2	T3	T4 T7-T5 T8-T6 T9			

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_B/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	Technical data are subject to change! There may be discrepancies between individual modifications and the content of this document.			
	document type datasheet			document status released		customer	
	title 1LE2321-2AB21-4AA3-Z			document number			
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Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS

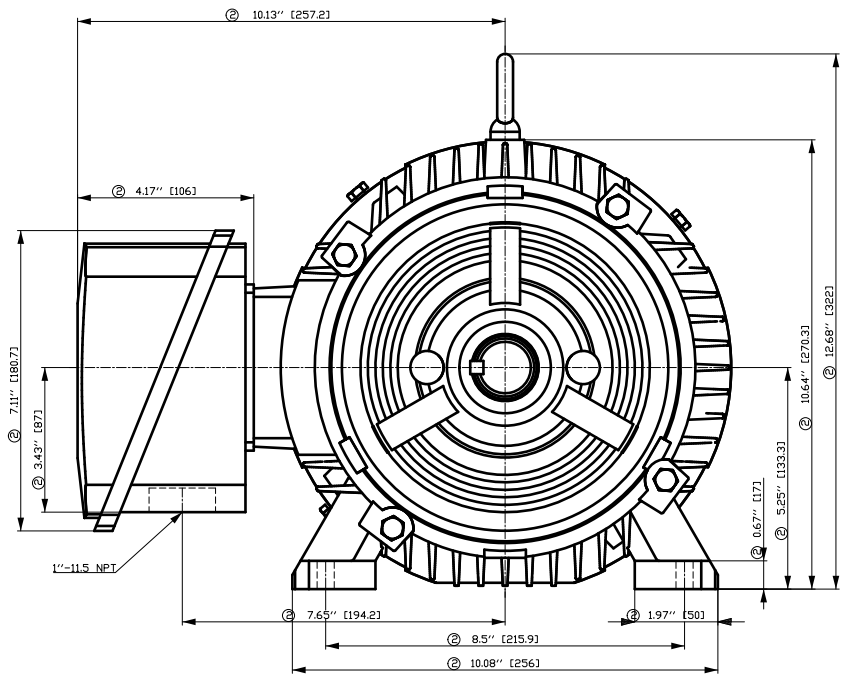
Motor type: SD100 FS: 215T - 4p - 10 hp -

Special design

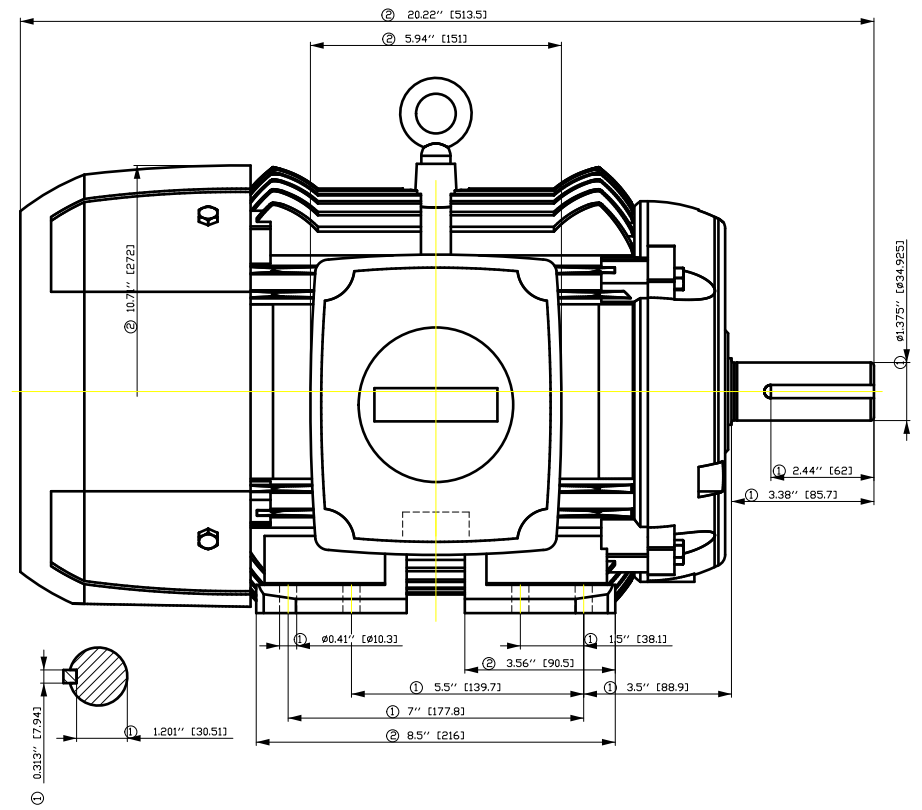
B09	Export packing sea freight - Siemens standard
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Notes:

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- 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.

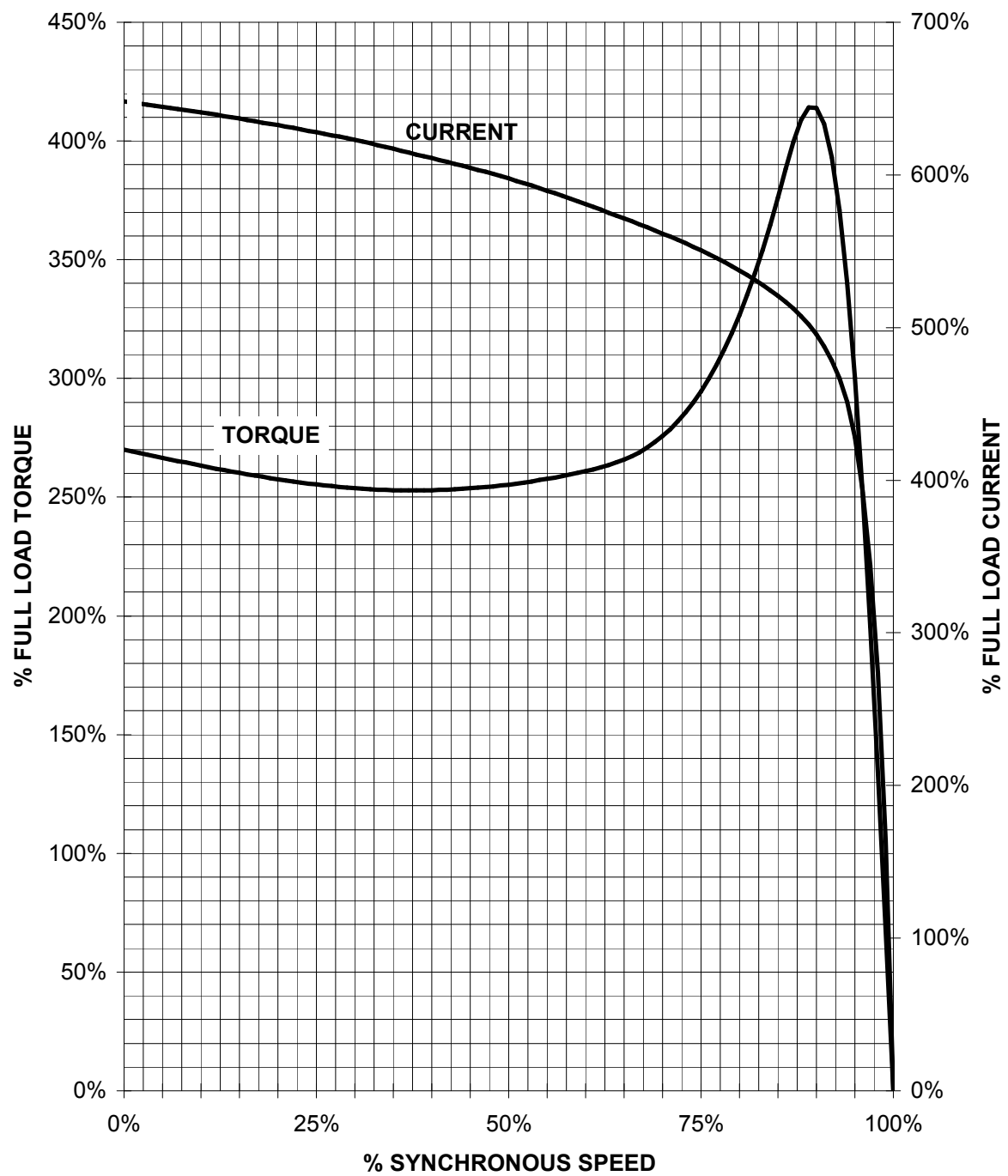


Tolerance	Surface	Material	Weight	Scale
1LE2321-2AB21-4AA3-Z B09	Author Creator Approval Department Change Order	Dimensional drawing Maßzeichnung		
SIEMENS © Siemens AG 2018	Doc. State	4/20/21	Item No	Doc Type
	Revision	Index	RS	Paper Size
	Project No	-	Doc No	1st Language
			Ref No	2nd Language
				Sheet

SIEMENS INDUSTRY, INC.

HP 10 VOLTS < 600V RPM 1800 TYPE SD100
HZ 60 PHASE 3 FRAME 215T NEMA B

TORQUE & CURRENT VS. SPEED

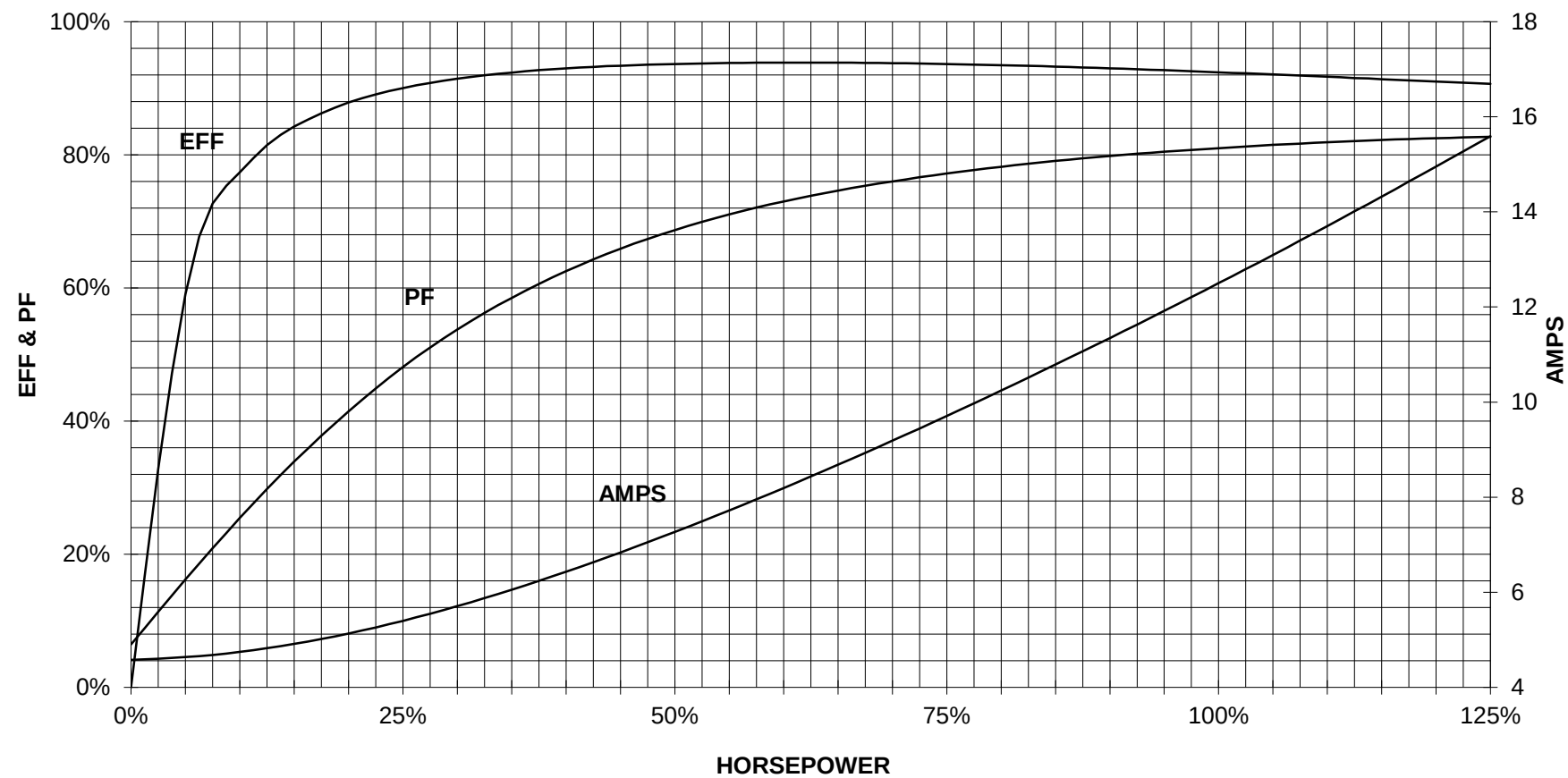


CUSTOMER: ORDER#:

PERFORMANCE BASED ON DESIGN CALCULATIONS. SUBJECT TO CHANGE WITHOUT NOTICE.
REV. 1

10 HP 1800 RPM 215T FRAME 460 VOLTS 3 PHASE NEMA DESIGN B

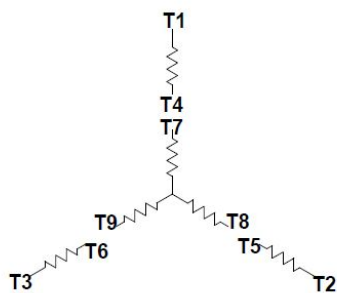
SIEMENS INDUSTRY, INC.
PERFORMANCE CURVE
SD100



CUSTOMER _____ ORDER # _____ PO # _____

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

Main terminal diagram



9 LEAD WYE						
Volts	LINES			CONNECTED TOGETHER	CONN.	
	L1	L2	L3			
LOW	T1 T7	T2 T6	T3 T9	T4 T5 T6	Y Y	
HIGH	T1	T2	T3	T4 T7-T5 T8-T6 T9	Y	

responsible dep.
DI MC LVM

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document type
Wiring Diagram

title
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