

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

Motor type: SD100 FS: 444T - 8p - 75 hp -

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

Remarks	
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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: 444T	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:1,557		Temp. Rise Cl.: B	Amb. Temp.: + 40 to -20 °C @1000 m	kVA: G	I.P.: 55

Mechanical data

Sound level (SPL / SWL) at 60 Hz				65.0 dB(A) / 76.0 dB(A)				Thickener	Polyurea			
Octave Band Center Frequencies Hertz								Safe Stall Time Hot	25 s			
	250	500	1000	2000	4000	8000	Hz	Safe Stall Time Cold	32 s			
SPL@3	58.0	59.0	60.0	58.0	55.0	42.0	dB(A)	Frame material	cast iron			
Moment of inertia					0.0 Lb-ft²					Color, paint shade	Standard Paint - RAL7030	
Ext Load Inertia Capability:					181.0 Lb ft²					Coating (paint finish)	Standard Alkyed + Epoxy (C2)	
Bearings												
Bearing DE NDE				NU 318		6316 Z C3 S0						
Bearing_Type				Roller Bearing		Ball Bearing						
AFBMA:				90RU03M0		80BC03JP30						
Grease												
Capacity				14.50 oz		7.50 oz						
Grease Type:				Exxon Mobile EM							Ventilation Type	
										Method of cooling	TEFC	
										Direction of rotation	Bidirectional	
										Fan Material	Polypropylen ESD	
										VFD	CT: 4:1 VT: 20:1	
										Space heaters	without	
										Brake:	without	

Terminal box

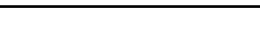
Lead Wire Connection		6 LEAD - DELTA			Terminal box position	(3) F-1, Standard Floor Mount, T. Box LHS
Voltage	L1	L1	L1	Connected together	Material of terminal box	Cast Iron
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-----	T1	T2	T3	-----		

Notes:

I_R/I_N = locked rotor current / current nominal	3) Value is valid only for DOL operation with motor design IC411
M_R/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 <i>Technische Daten sind ohne Gewähr! Es kann zu Abweichungen kommen!</i>
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	document type	document status		customer	
	datasheet	released			
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Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS

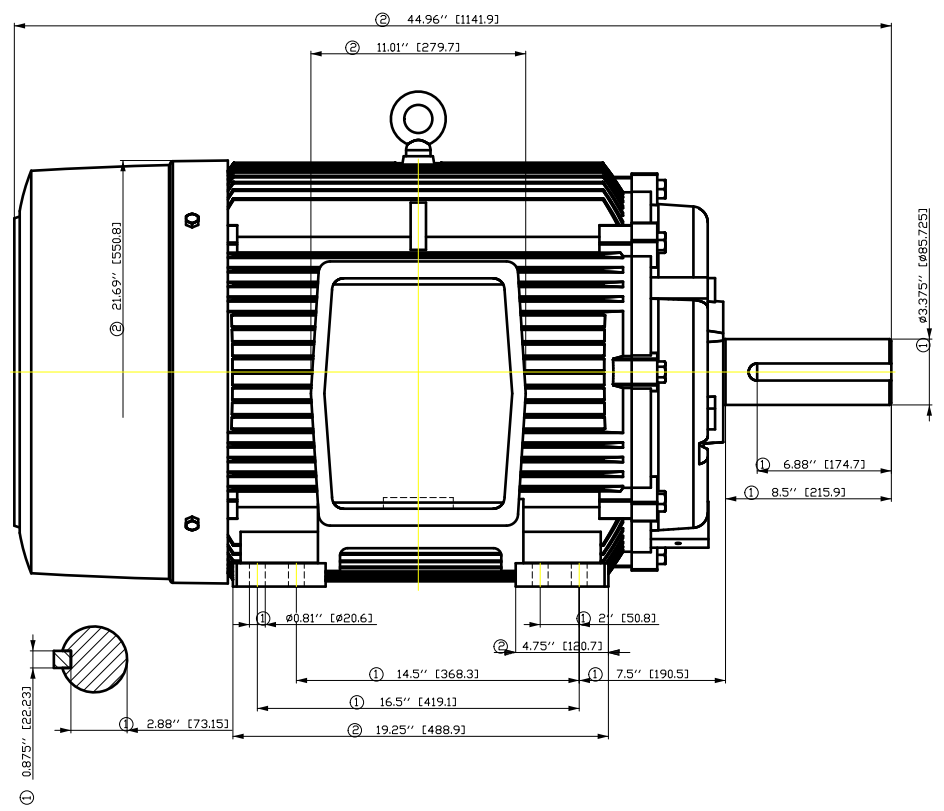
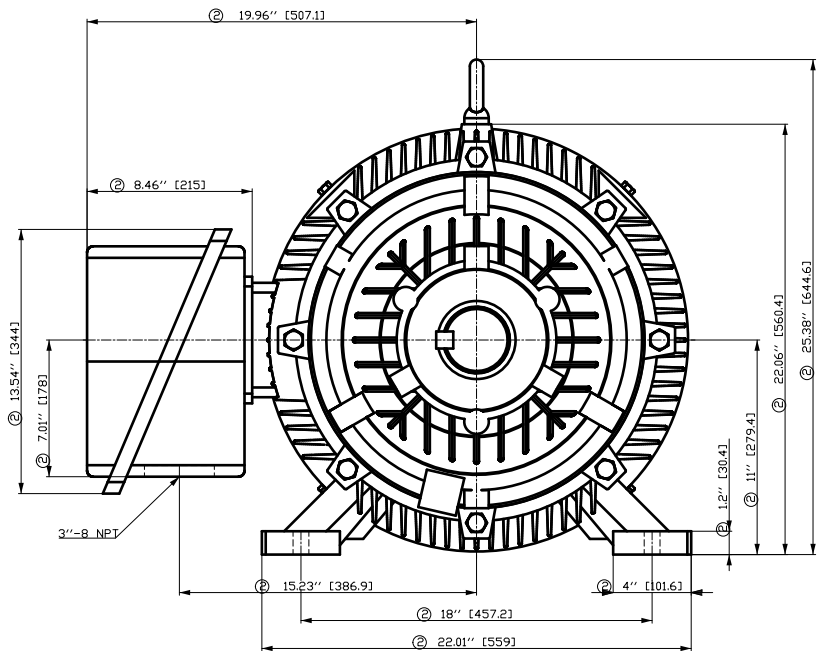
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Special design

B09 Export packing sea freight - Siemens standard D05 Documentation in Spanish

Notes:

responsible dep. DI MC LVM	technical reference	created by DT Configurator	approved by		Technical data are subject to change! There may be discrepancies between calculated and actual data values			
	document type datasheet				document status released		customer	
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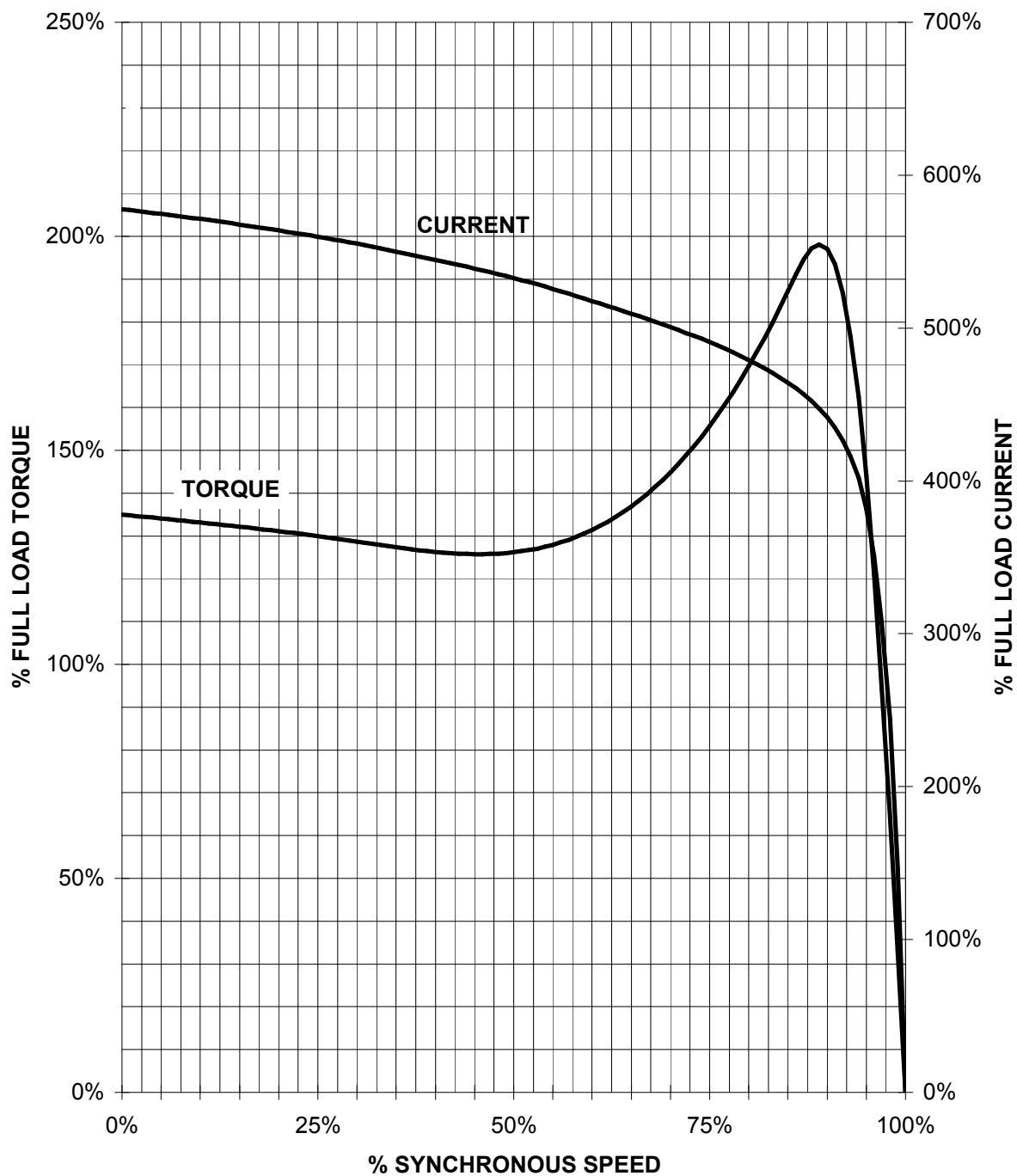
- ① Tolerances according to NEMA std.
- ② All these dimensions corresponding to assemblies and castings shall have a tolerance as per DIN standard 1686-GTB 19.
- ③ Not according to NEMA std.

Tolerance	Surface	Material	Weight	Scale
1LE2321-4CD11-2AA3-Z B09+D05	Author Creator Approval Department Change Order	Dimensional drawing Maßzeichnung		
	Doc. State Revision			
SIEMENS © Siemens AG 2018	Index	MLFB	Doc. Type	
	4/22/21	Item No	Paper Size	A3
	RS	Doc No	1st Language	en
	Project No -	Ref No -	2nd Language	de
			Sheet	1 of 1

SIEMENS INDUSTRY, INC.

HP 75 VOLTS < 600V RPM 900 TYPE SD100
HZ 60 PHASE 3 FRAME 444T NEMA B

TORQUE & CURRENT VS. SPEED

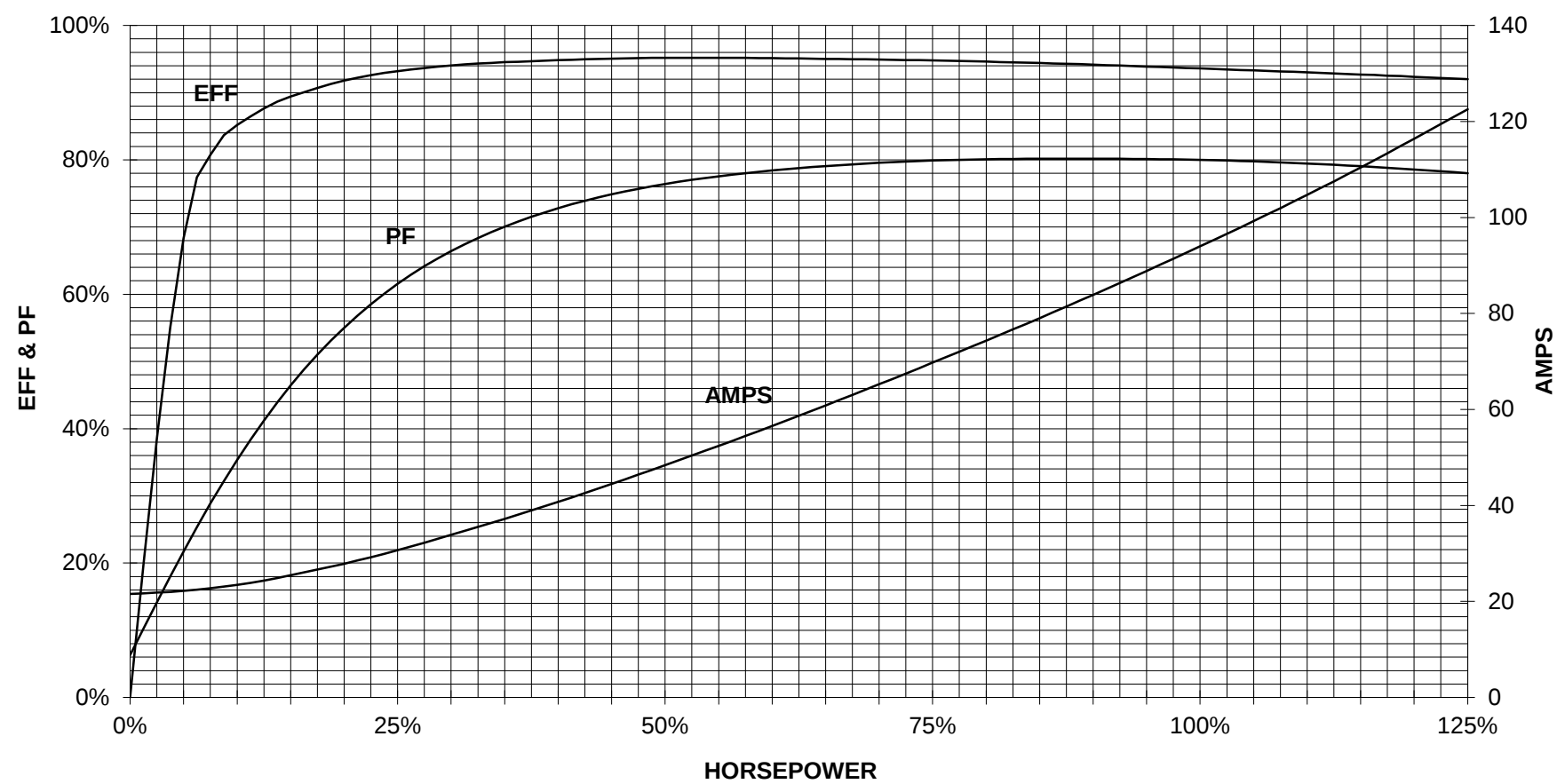


CUSTOMER: _____ ORDER#: _____

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

75 HP 900 RPM 444T FRAME 460 VOLTS 3 PHASE NEMA DESIGN B

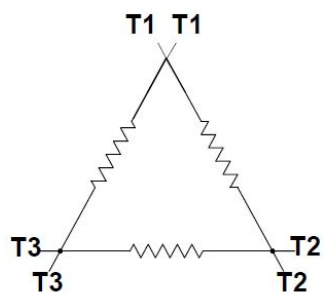
SIEMENS INDUSTRY, INC.
PERFORMANCE CURVE
SD100



CUSTOMER _____ ORDER # _____ PO # _____

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

Main terminal diagram



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

responsible dep. DI MC LVM	technical reference	created by	approved by	Project			
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