

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

Motor type:	SD100 IEEE	FS: 143T - 2p - 1 hp -
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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: 143T	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:85		Temp. Rise Cl.: B	Amb. Temp.: + 40 to -20 °C @1000 m	kVA: L	I.P.: 55

Mechanical data

Sound level (SPL / SWL) at 60 Hz				64.0 dB(A) / 76.0 dB(A)				Thickener	Polyurea		
Octave Band Center Frequencies Hertz								Safe Stall Time Hot	12 s		
	250	500	1000	2000	4000	8000	Hz	Safe Stall Time Cold	16 s		
SPL@3	44.0	52.0	62.0	59.0	54.0	46.0	dB(A)	Frame material	cast iron		
Moment of inertia					0.0 Lb-ft²					Color, paint shade	Standard Paint - RAL7030
Ext Load Inertia Capability:					0.0 Lb ft²					Coating (paint finish)	Standard Alkyed + Epoxy (C2)
Bearings											
Bearing DE NDE			6205 Z C3 S0			6205 Z C3 S0					
Bearing_Type			Ball Bearing			Ball Bearing					
AFBMA:			25BC02JP30			25BC02JP30					
Grease											
Capacity				0.10 oz			0.10 oz				
Grease Type:				Exxon Mobile EM							
								Brake:			

Terminal box

Lead Wire Connection			3 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
-----	-----	-----	-----	-----	Cable entry	.75" NPT
-----	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_B/M_N = break down torque / nominal torque	

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 editions of this document.			
	document type datasheet			document status released		customer	
	title 1LE2421-1AA11-2AA3-Z			document number			
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Motor type: SD100 IEEE FS: 143T - 2p - 1 hp -

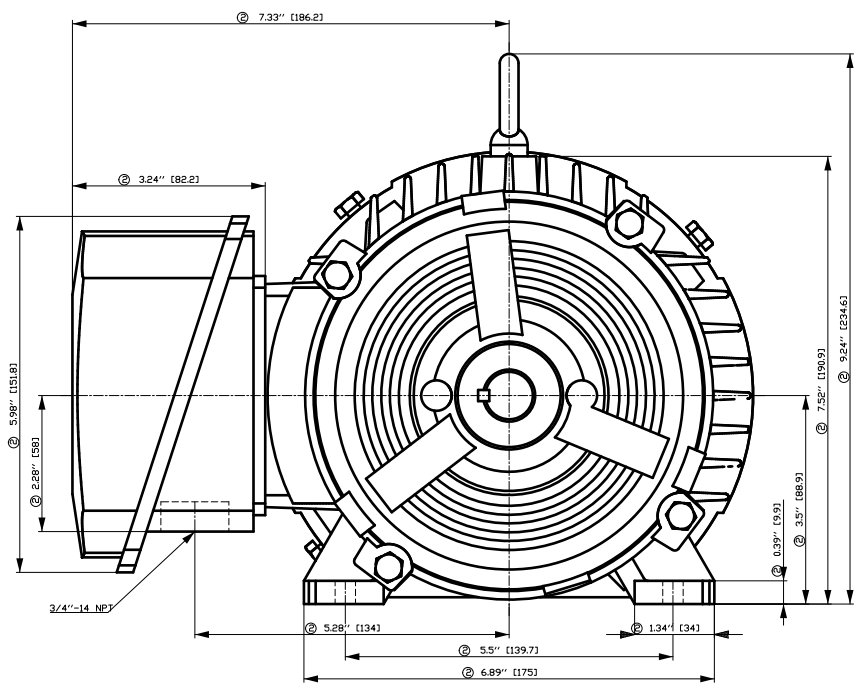
Special design

B09 Export packing sea freight - Siemens standard

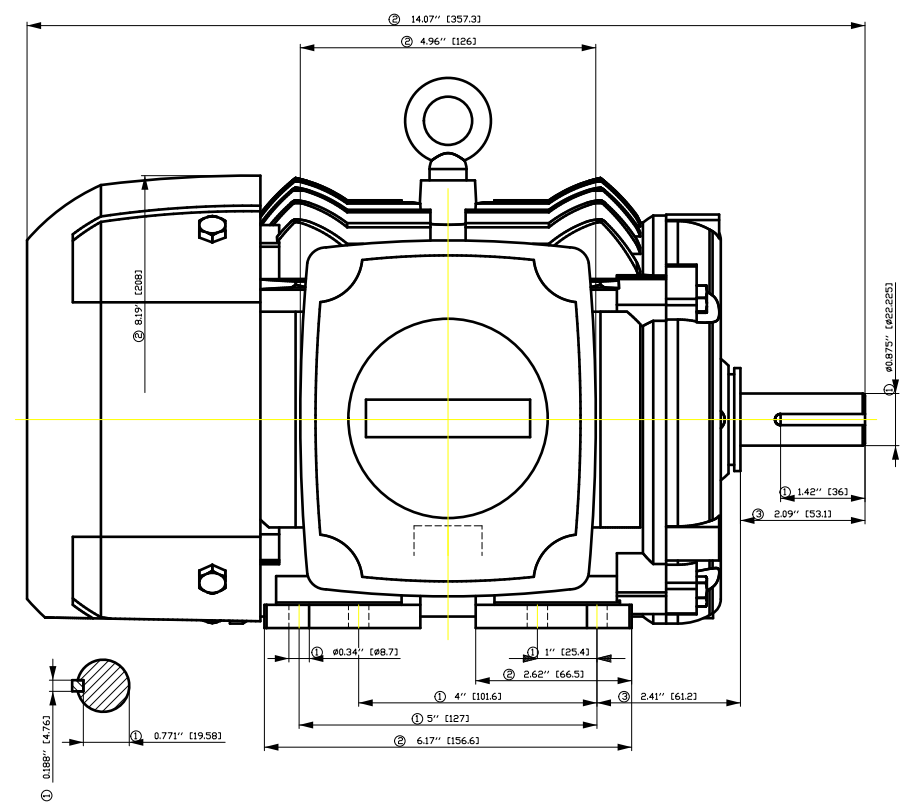
Notes:

responsible dep. DI MC LVM	technical reference	created by DT Configurator	approved by	Technical data are subject to change! There may be discrepancies between configurations and configurations on site
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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.

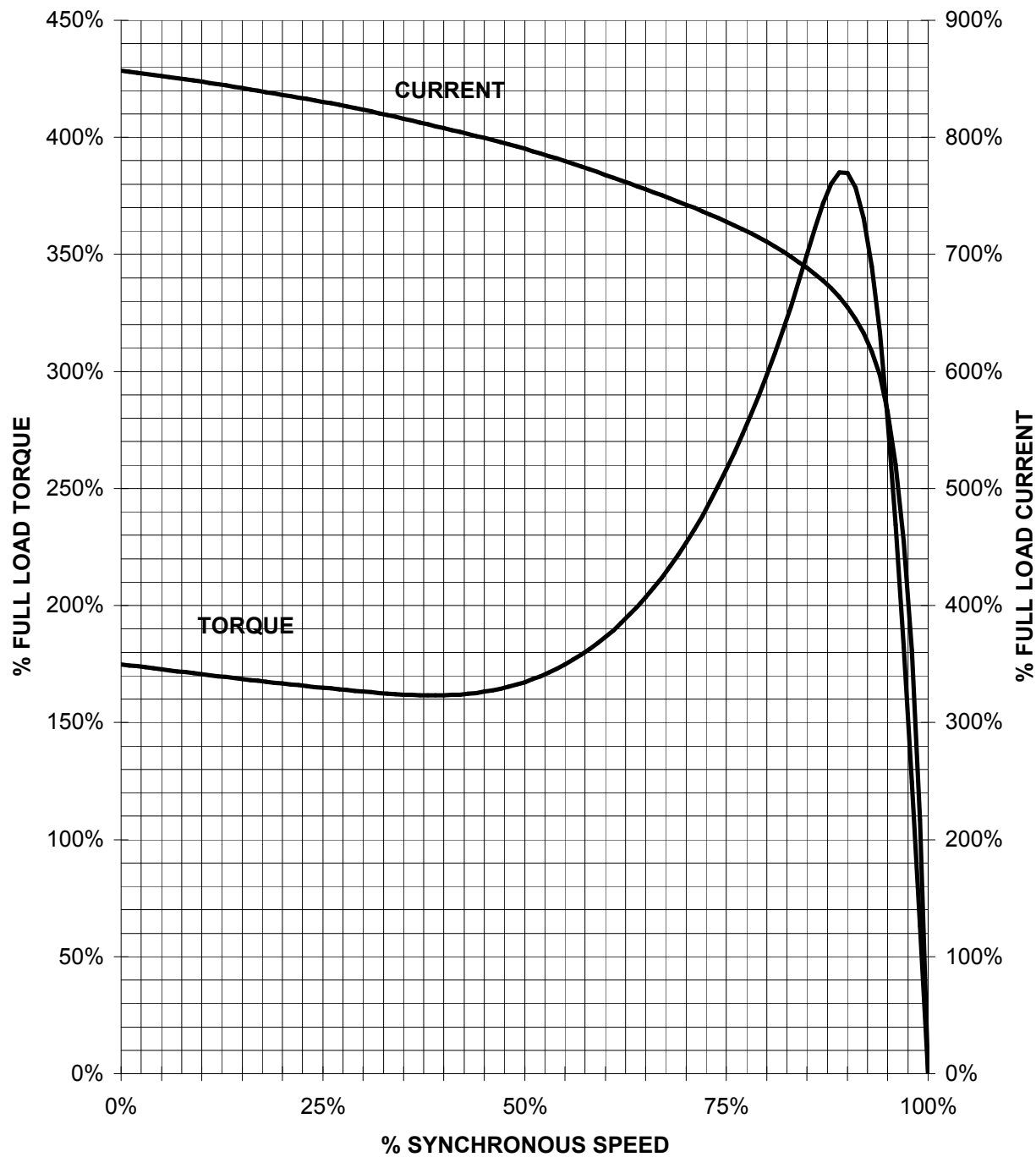


Tolerance	Surface	Material	Weight	Scale
1LE2421-1AA11-2AA3-Z B09	Author Creator Approval Department Change Order	Dimensional drawing Maßzeichnung		
SIEMENS	Doc. Date			
	Revision			
	Project No			
	Index			
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		Ref No	2nd Language	de
			Sheet	1 of 1

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HP 1 VOLTS < 600V RPM 3600 TYPE SD100 IEEE841
HZ 60 PHASE 3 FRAME 143T NEMA B

TORQUE & CURRENT VS. SPEED

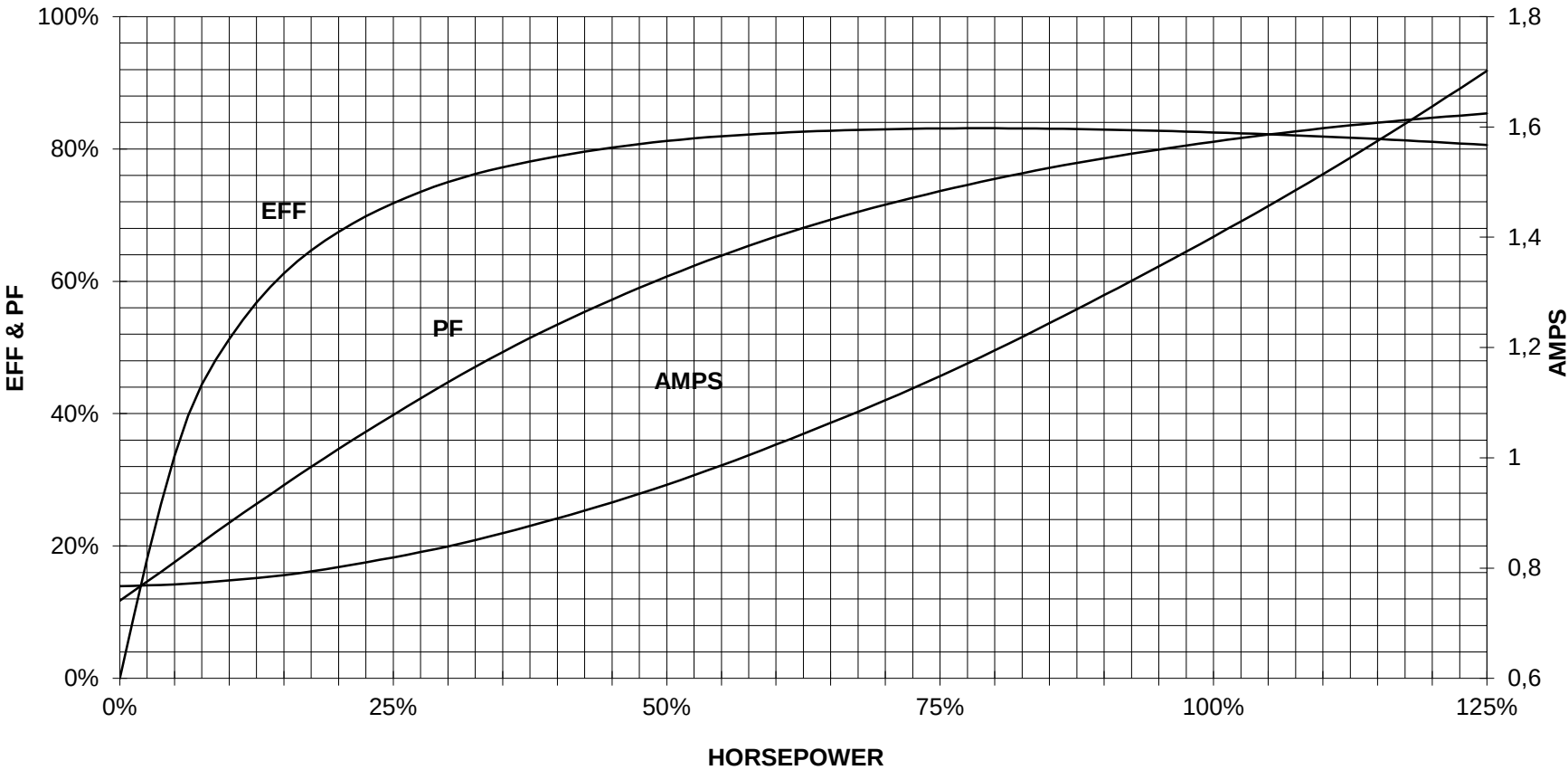


CUSTOMER: _____ ORDER#: _____

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

1 HP 3600 RPM 143T FRAME 460 VOLTS 3 PHASE NEMA DESIGN B

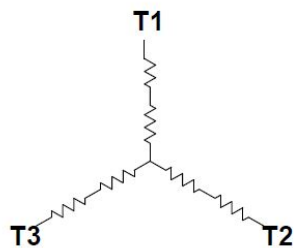
SIEMENS INDUSTRY, INC.
PERFORMANCE CURVE
SD100 IEEE841



CUSTOMER _____ ORDER # _____ PO # _____

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Main terminal diagram



3 LEAD WYE			
LINES			CONN.
L1	L2	L3	
T1	T2	T3	Y

responsible dep.
DI MC LVM

technical reference

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Project

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document type
Wiring Diagram

title
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document status
free

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