

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

Motor type:	SD100 IEEE	FS: 326T - 6p - 30 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: 326T	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:654		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				63.0 dB(A) / 73.0 dB(A)				Thickener	Polyurea	
Octave Band Center Frequencies Hertz								Safe Stall Time Hot	26 s	
	250	500	1000	2000	4000	8000	Hz	Safe Stall Time Cold	52 s	
SPL@3	51.0	57.0	58.0	56.0	51.0	50.0	dB(A)	Frame material	cast iron	
Moment of inertia				10.2 Lb-ft²				Color, paint shade	Standard Paint - RAL7030	
Ext Load Inertia Capability:				384.0 Lb ft²				Coating (paint finish)	Standard Alkyed + Epoxy (C2)	
Bearings								Ventilation Type		
Bearing DE NDE			6312 Z C3 S0			6312 Z C3 S0			Method of cooling	TEFC
Bearing_Type			Ball Bearing			Ball Bearing			Direction of rotation	Bidirectional
AFBMA:			60BC03JP30			60BC03JP30			Fan Material	Polypropylen ESD
Grease								VFD		CT: 4:1 VT: 20:1
Capacity				5.50 oz				Space heaters		without
Grease Type:				Exxon Mobile EM				Brake:		without

Terminal box

Lead Wire Connection					3 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_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 1LE2421-3AC21-2AA3-Z			document number			
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Data sheet for three-phase Squirrel-Cage-Motors SIMOTICS

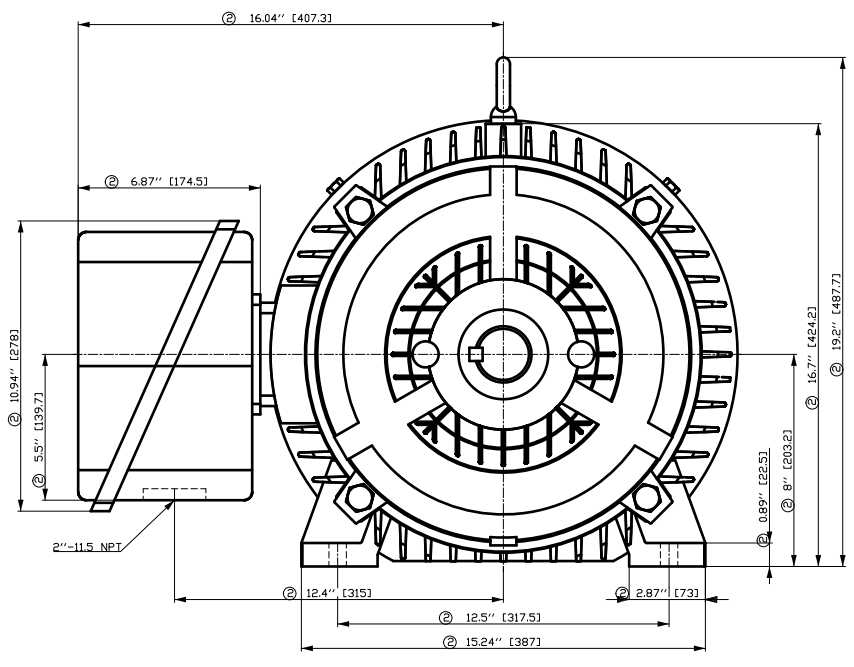
Motor type: SD100 IEEE FS: 326T - 6p - 30 hp -

Special design

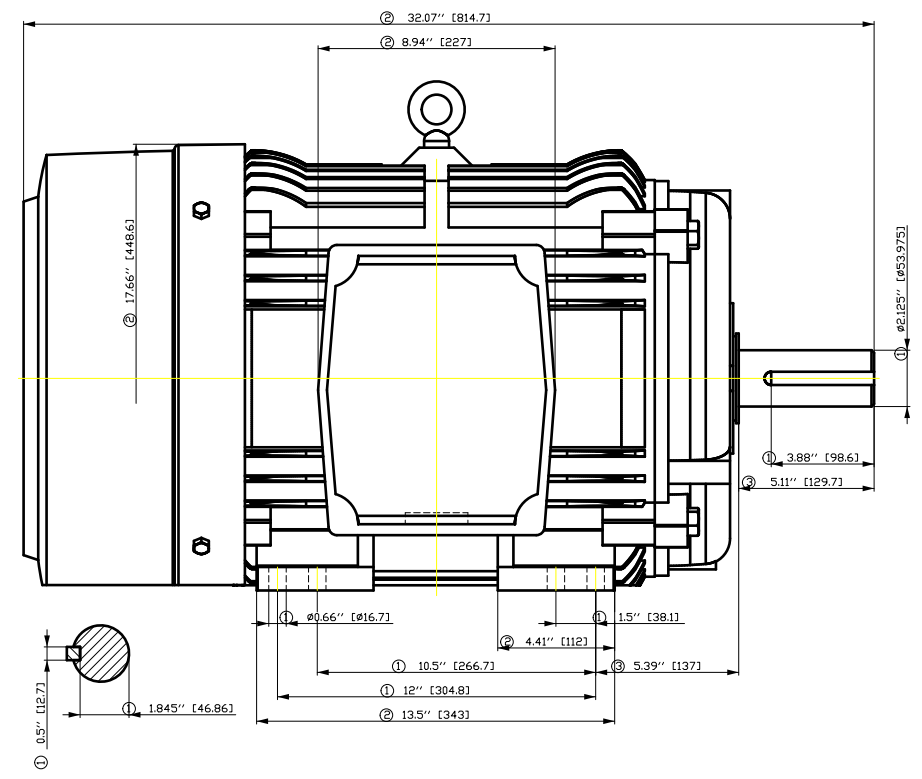
B09	Export packing sea freight - Siemens standard
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Notes:

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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.

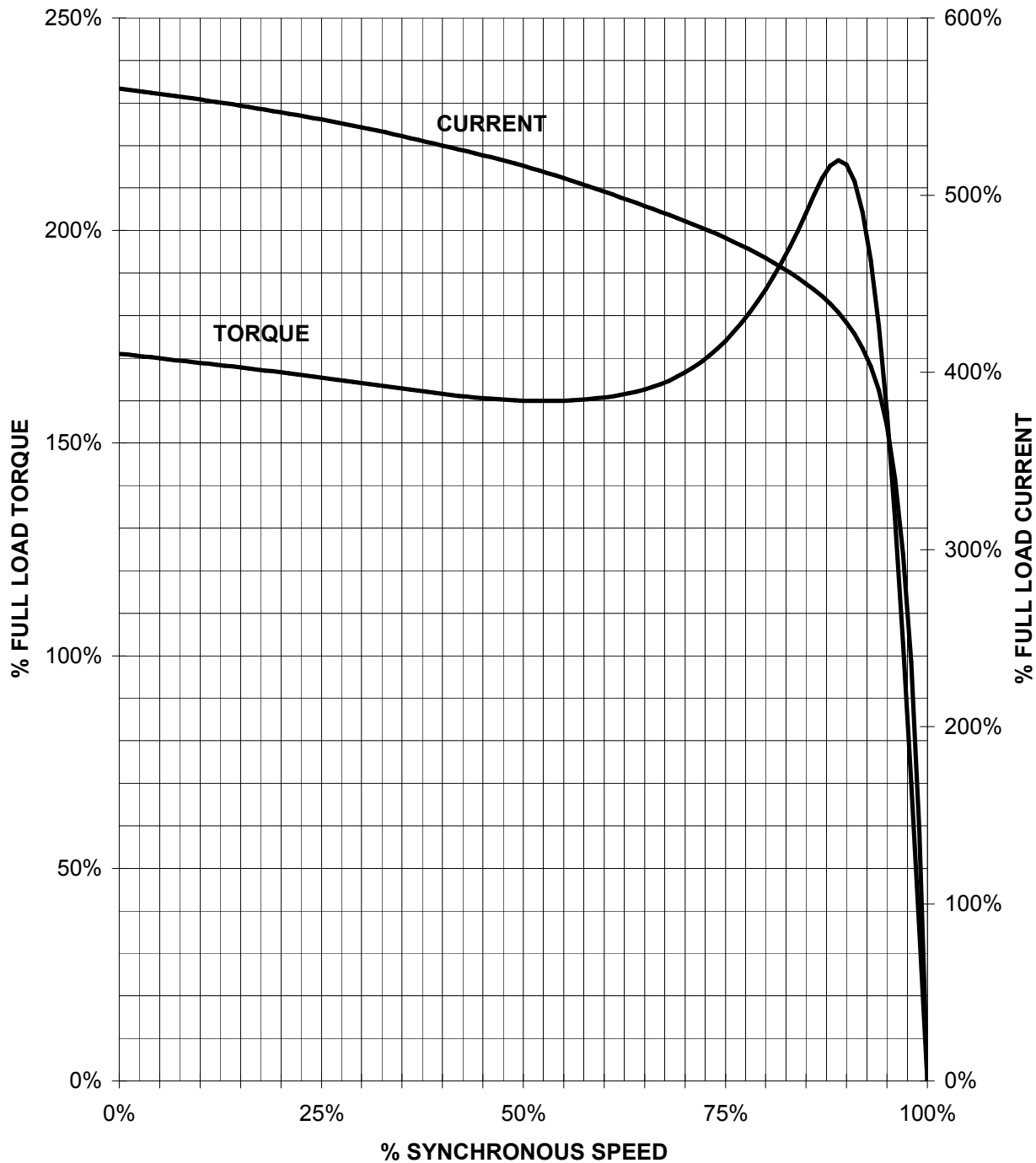


Tolerance	Surface	Material	Weight	Scale
1LE2421-3AC21-2AA3-Z B09	Author Creator Approval Department Change Order	Dimensional drawing Maßzeichnung		
SIEMENS	Doc. State	4/21/21	Item No	Paper Size
	Revision	Index	Doc No	1st Language
				2nd Language
				Sheet
© Siemens AG 2018	Project No	-	Ref No	-

SIEMENS INDUSTRY, INC.

HP 30 VOLTS < 600V RPM 1200 TYPE SD100 IEEE841
HZ 60 PHASE 3 FRAME 326T NEMA B

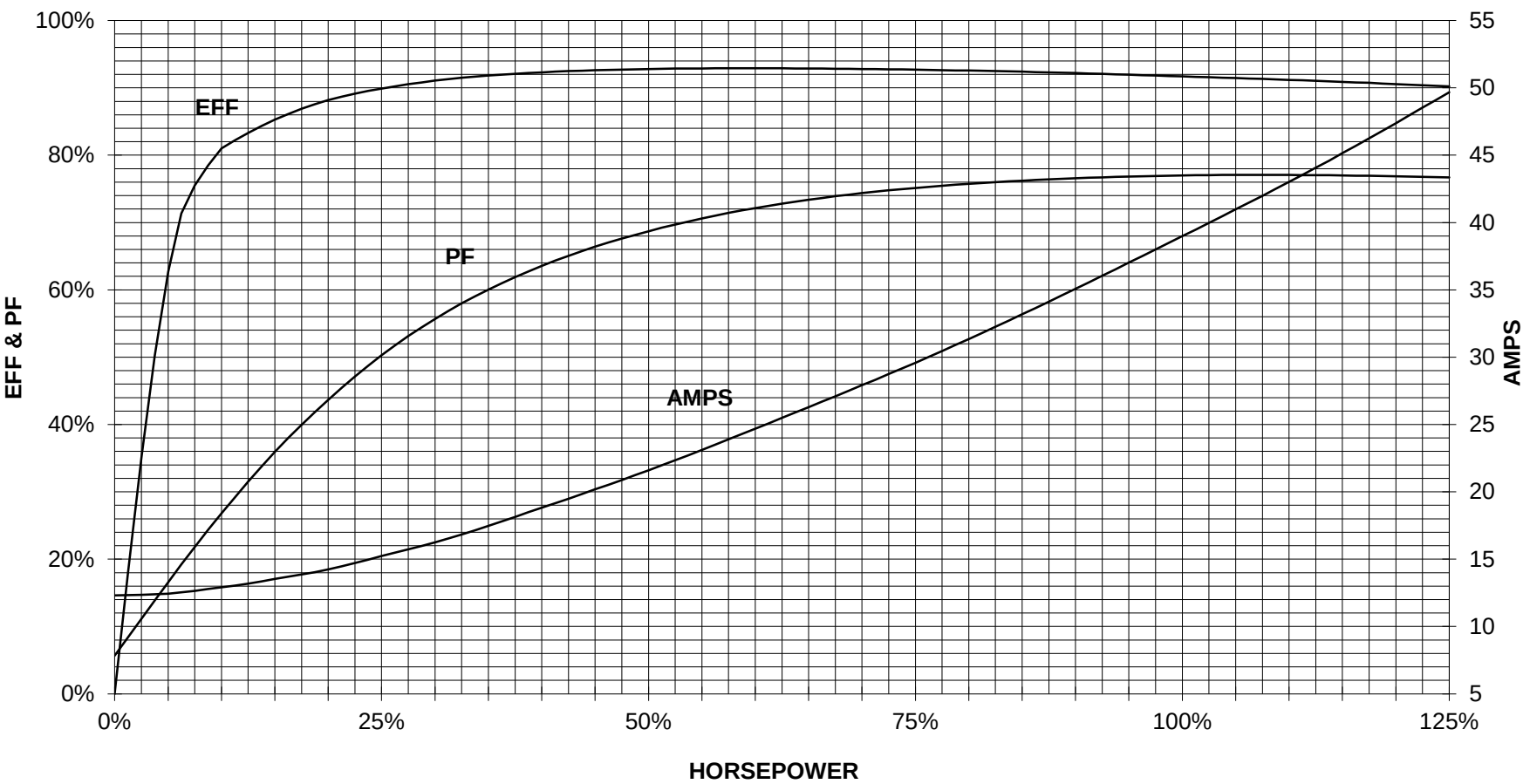
TORQUE & CURRENT VS. SPEED



CUSTOMER: ORDER#:

30 HP 1200 RPM 326T FRAME 460 VOLTS 3 PHASE NEMA DESIGN B

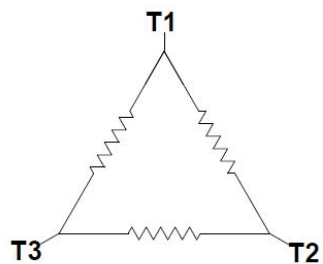
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PERFORMANCE CURVE
SD100 IEEE841



CUSTOMER _____ ORDER # _____ PO # _____

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

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	
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