

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

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

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	30.00	22.00	1,185	39.00	30.90	24.70	15.00	218.0	93.0	93.5	93.1	77.0	73.0	61.0	133.0	170	220	
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

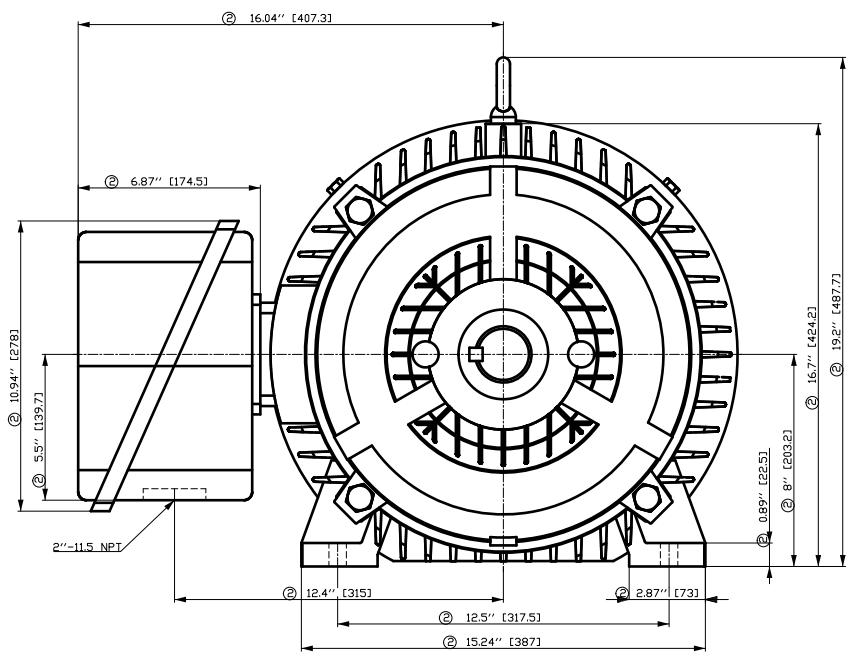
Sound level (SPL / SWL) at 60 Hz				63.0 dB(A) / 73.0 dB(A)				Thickener				Polyurea											
Octave Band Center Frequencies Hertz								Safe Stall Time Hot								26 s							
250		500		1000		2000		4000		8000		Hz		Safe Stall Time Cold				52 s					
SPL@3		51.0		57.0		58.0		56.0		51.0		50.0		dB(A)		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				5.50 oz				Space heaters				without					
Grease Type:								Exxon Mobile EM								Brake:				without			

Terminal box

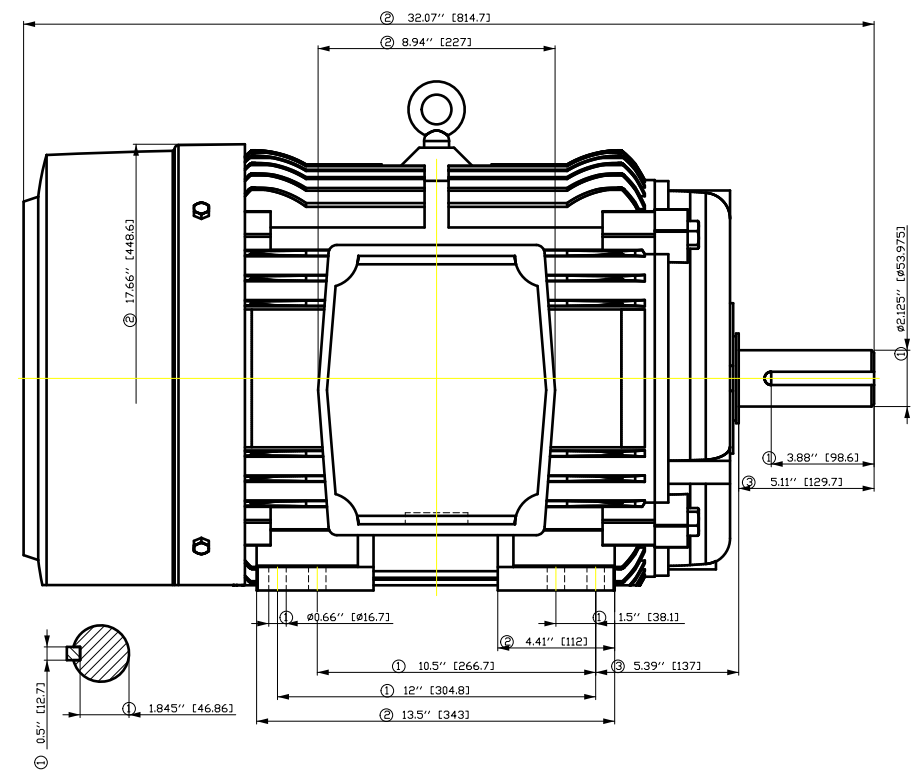
Lead Wire Connection				3 LEAD - DELTA	Terminal box position	(3) F-1, Standard Floor Mount, T. Box LHS
Voltage	L1	L1	L1	Connected together	Material of terminal box	Cast Iron
----	----	----	----	----	Cable entry	2.5" NPT
----	T1	T2	T3	----		

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.		technical reference		created by		approved by		Technical data are subject to change! There may be discrepancies between calculated and actual data before			
DI MC LVM				DT Configurator							
		document type		document status				customer			
		datasheet		released							
		title		document number							
		1LE2421-3AC21-2AA3									
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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.

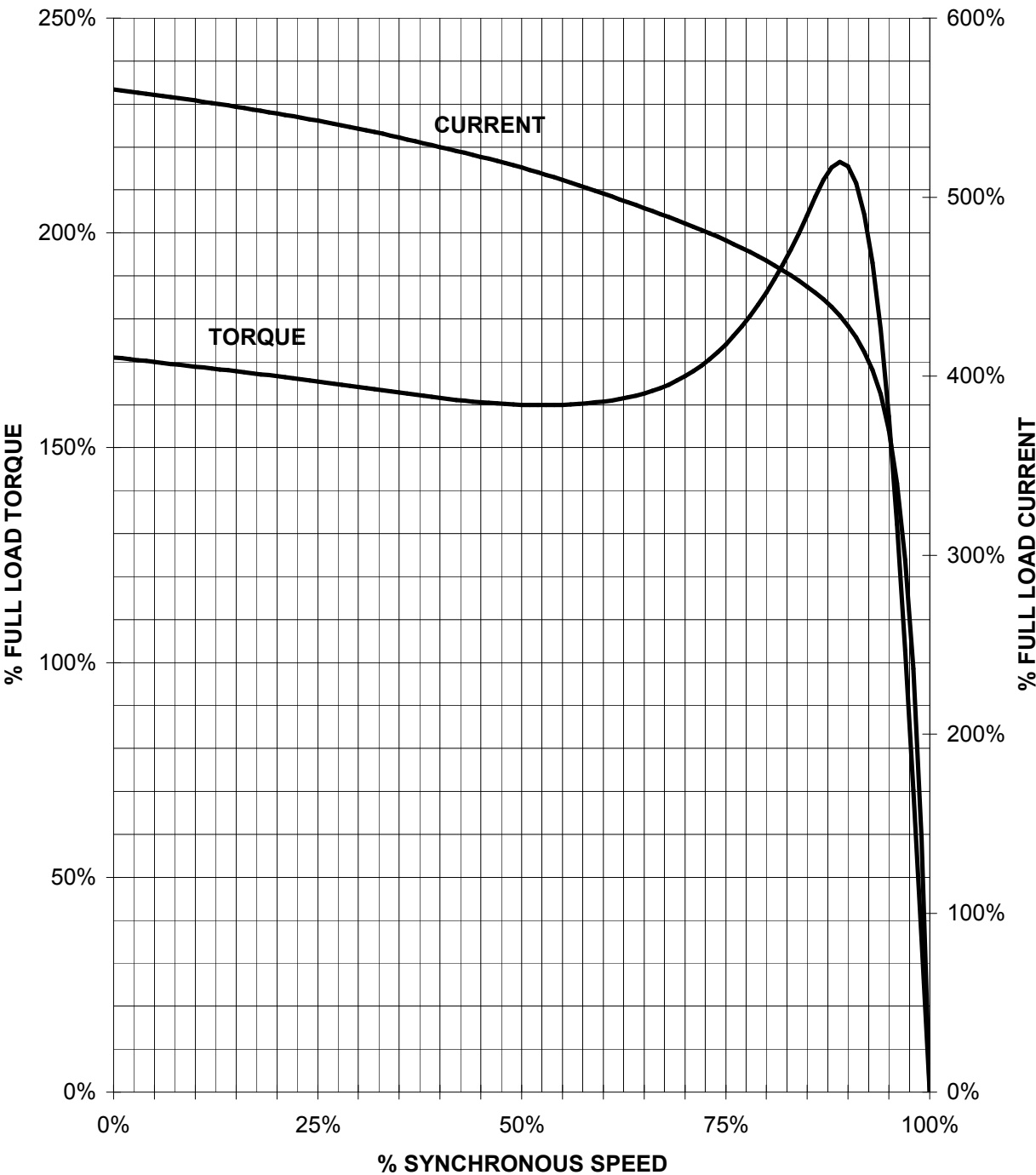


Tolerance	Surface	Material	Weight	Scale
1LE2421-3AC21-2AA3	Author	Dimensional drawing Maßzeichnung		
-	Creator			
	Approval			
	Department			
	Change Order	MLFB	Doc Type	
SIEMENS	Doc. State	4/21/21	Item No	Paper Size A3
	Revision	Index	Doc No	1st Language en
				2nd Language de
	Project No	-	Ref No	Sheet 1 of 1
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HP 30 VOLTS < 600V RPM 1200 TYPE SD100 IEEE841
HZ 60 PHASE 3 FRAME 326T NEMA B

TORQUE & CURRENT VS. SPEED

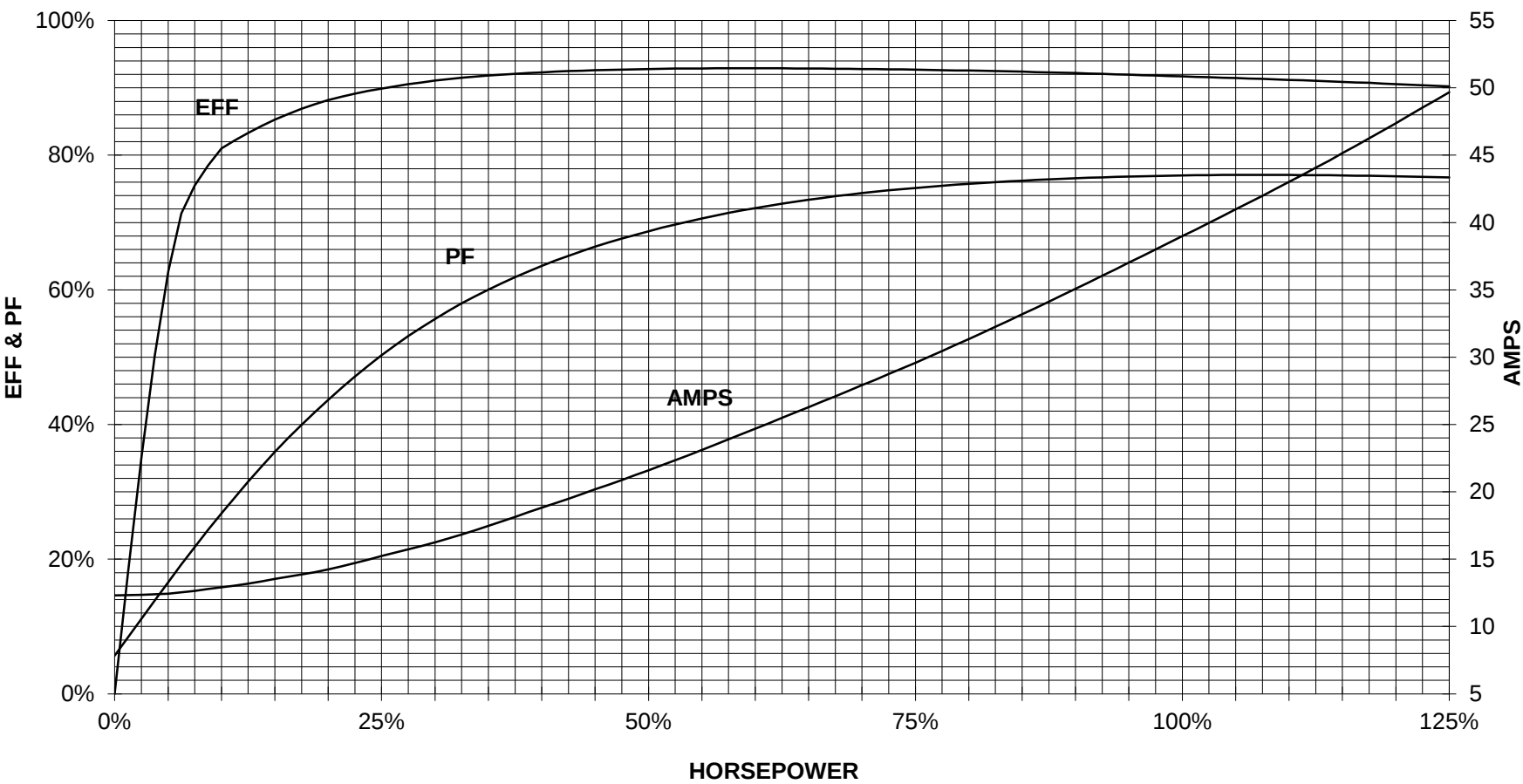


CUSTOMER: _____ ORDER#: _____

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

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

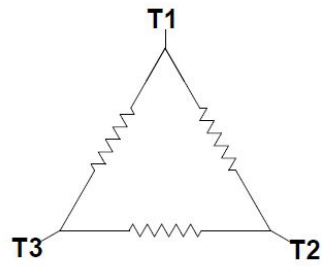
SIEMENS INDUSTRY, INC.
PERFORMANCE CURVE
SD100 IEEE841



CUSTOMER _____ ORDER # _____ PO # _____

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Main terminal diagram



3 LEAD 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 1LE2421-3AC21-2AA3			document number			
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