

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

Motor type: **SD100** FS: **449T - 6p - 200 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	200.00	150.00	1,190	227.00	175.90	130.60	73.00	1450.0	95.8	96.2	95.6	86.0	83.0	75.0	883.0	125	201	

Frame Type: 449T	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: 2,451		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	74.0 dB(A) / 86.0 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	65.0	69.0	70.0	65.0	61.0	52.0	dB(A)	Frame material	cast iron
Moment of inertia	89.7 Lb-ft ²							Color, paint shade	Standard Paint - RAL7030
Ext Load Inertia Capability:	224.0 Lb ft ²							Coating (paint finish)	Standard Alkyed + Epoxy (C2)
Bearings								Ventilation Type	
Bearing DE NDE	NU 320			6316 Z C3 S0				Method of cooling	TEFC
Bearing_Type	Roller Bearing			Ball Bearing				Direction of rotation	Bidirectional
AFBMA:	100RU03M0			80BC03JP30				Fan Material	Polypropylen ESD
Grease								VFD	CT: 4:1 VT: 20:1
Capacity	14.50 oz			7.50 oz				Space heaters	without
Grease Type:	Exxon Mobile EM							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
----	----	----	----	----	Cable entry	3" NPT
----	T1	T2	T3	----		

Notes:
 I_L/I_N = locked rotor current / current nominal
 M_L/M_N = locked rotor torque / torque nominal
 M_L/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	<i>Technical data are subject to change! There may be discrepancies between software and hardware versions</i>
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Special design

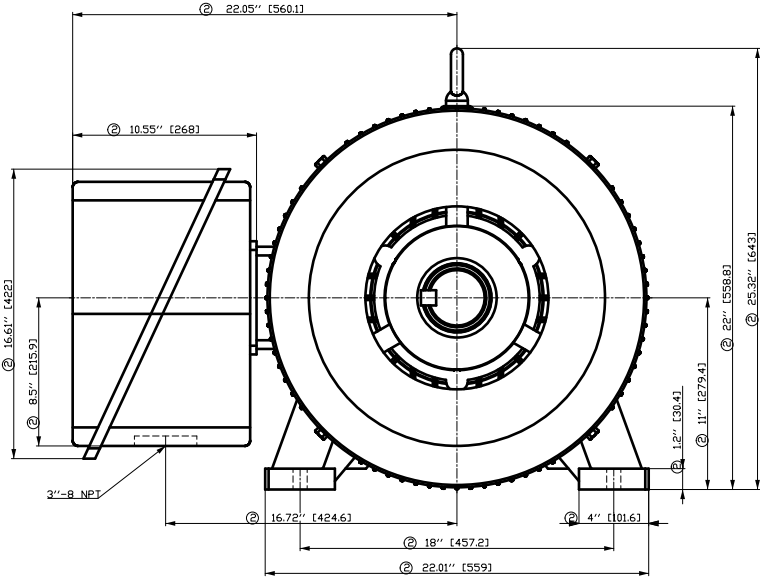
B09 Export packing sea freight - Siemens standard

Notes:

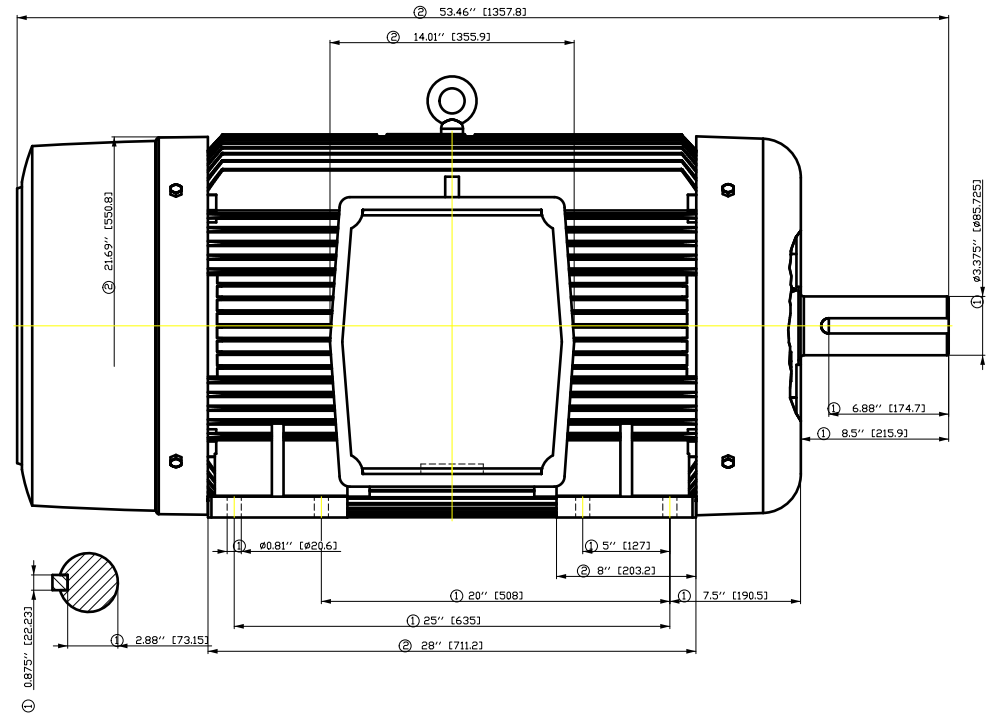
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- ① Tolerances according to NEMA std.
- ② All these dimensions corresponding to assemblies and castings shall have a tolerance as per DIN standard 1686-GTB 19.
- ③ Not according to NEMA std.

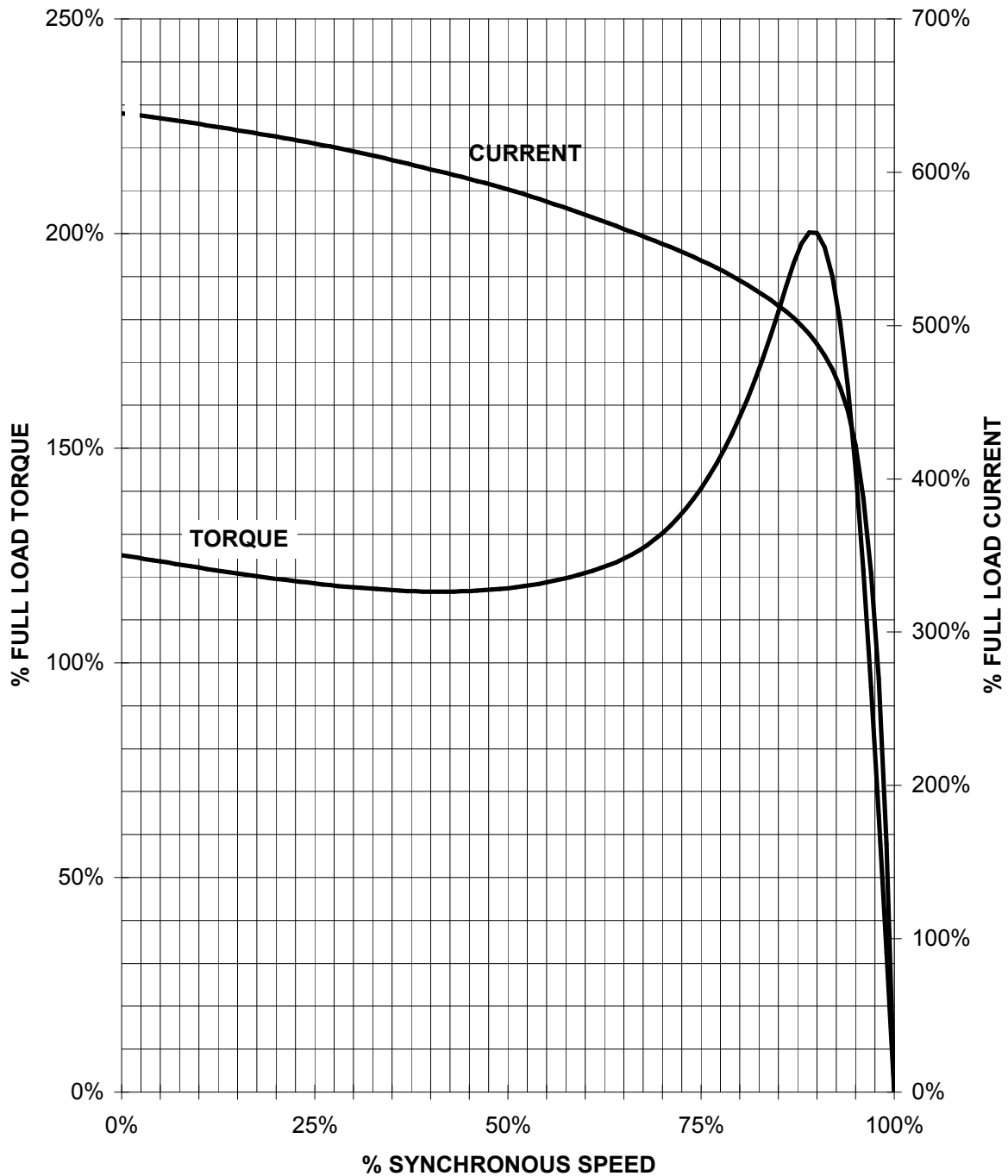


Tolerance	Surface	Material	Weight	Scale
F50GHFB OOI FBOEIZ OEU	Author Creator Approval Department Change Order	ÖVS Tae: ^&@`)*	Ë	{ {
SIEMENS	Doc. State Revision	MLFB Item No. Doc. No.	Doc Type	Paper Size 1st Language 2nd Language
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SIEMENS INDUSTRY, INC.

HP 200 VOLTS < 600V RPM 1200 TYPE SD100
HZ 60 PHASE 3 FRAME 449T NEMA B

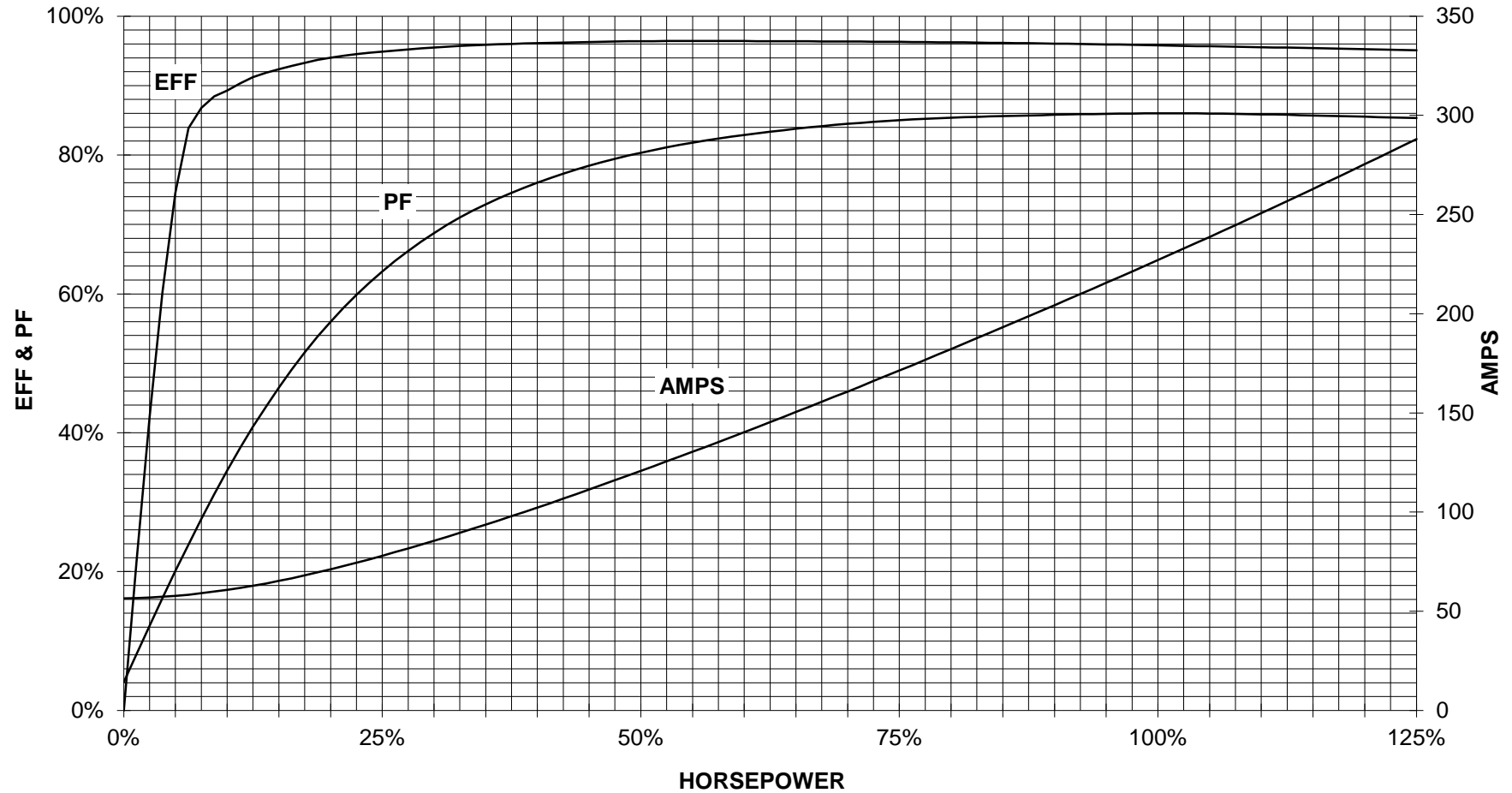
TORQUE & CURRENT VS. SPEED



CUSTOMER: _____ ORDER#: _____

200 HP 1200 RPM 449T FRAME 460 VOLTS 3 PHASE NEMA DESIGN B

SIEMENS INDUSTRY, INC.
PERFORMANCE CURVE
SD100

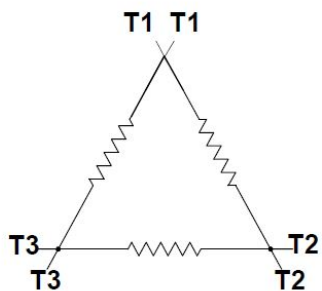


CUSTOMER _____ ORDER # _____ PO # _____


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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