

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

Motor type: FS: 447TS - 2p - 200 hp -

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

Electrical data Class I, Div 1 Gr. C&D; Class II, Div1, Gr. F&G

U [V]	Δ/Y	f [Hz]	P [HP]	P [kW]	n [rpm]	I Load [Amps]					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	LRC	4/4	3/4	2/4	4/4	3/4	2/4			
575		60	200.00	-/-	3,575	172.80	130.60	89.30	35.20	1160.0	95.4	95.6	95.3	91.0	90.0	88.0	294.0	120	200
Frame Type: 447TS		Type of constr.: (A) Foot mounted - End shield				Ins. Cl.:Insulation class F		Motor Prot.:(G) Thermostats, Klixon type, normally closed				NEMA Des.: B		S.F.: 1.15					
Mtr. WT:2,250						Temp. Rise Cl.: B		Amb. Temp.: + to -20 °C @1000 m				kVA: G		IP IP65					


Mechanical data

Sound level (SPL / SWL) at 60 Hz	83.0 dB(A) / 94.0 dB(A)	Thickener	Polyurea
Octave Band Center Frequencies Hertz		Safe Stall Time Hot	16 s
250	500	1000	2000
4000	8000	Hz	
SPL@3	dB(A)		Safe Stall Time Cold
		Frame material	cast iron
Moment of inertia	31.4 Lb-ft ²	Color, paint shade	
Ext Load Inertia Capability:	172.0 Lb ft ²	Coating (paint finish)	
Bearings		Ventilation Type	
Bearing DE NDE	6316 Z C3 S0	6316 Z C3 S0	Method of cooling
Bearing_Type	Ball Bearing	Ball Bearing	Direction of rotation
AFBMA:	80BC03JP30	80BC03JP30	Fan Material
Grease		VFD	CT: n/a VT: 20:1
Capacity	7.5 oz	7.5 oz	Space heaters
Grease Type:	Exxon Mobile EM		Brake:

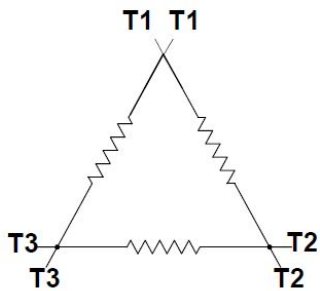
Terminal box

Lead Wire Connection	6 LEAD - DELTA	Terminal box position	(3) Mounting - F-1
Voltage	L1	L1	L1
	Connected together	Material of terminal box	
---	---	Cable entry	-/-
---	T1	T2	T3

Notes:			
I _r /I _N = locked rotor current / current nominal	M _r /M _N = locked rotor torque / torque nominal	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.	technical reference	created by	approved by	<i>Technical data are subject to change! There may be discrepancies between software and hardware versions</i>			
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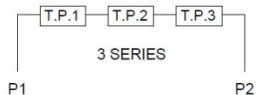
Main terminal diagram




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

Motor protection

THERMOSTATS

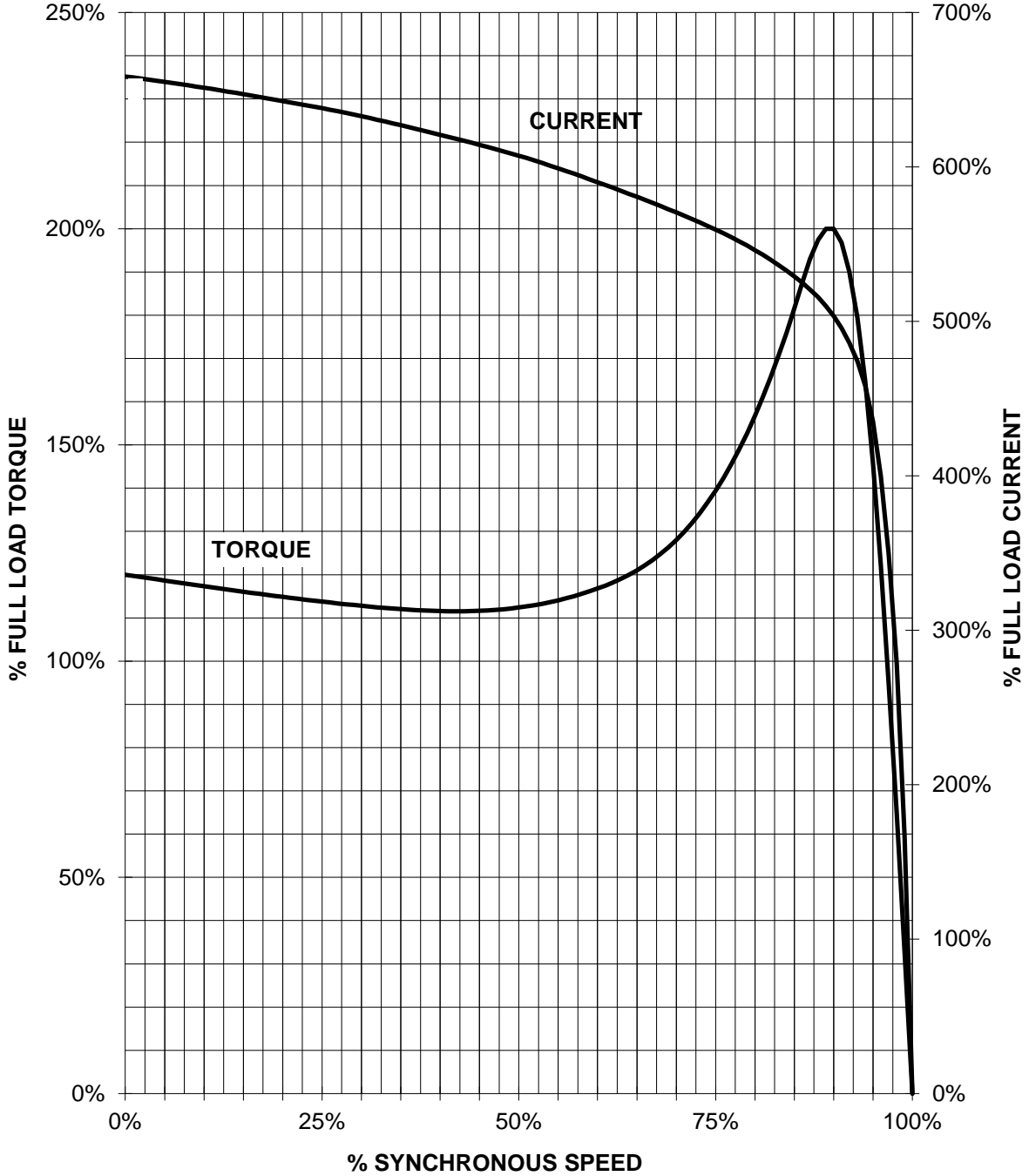


responsible dep. DI MC LVM	technical reference	created by	approved by	Project		
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SIEMENS INDUSTRY, INC.

HP 200 VOLTS <600 RPM 3600 TYPE XP100
HZ 60 PHASE 3 FRAME 447TS NEMA B

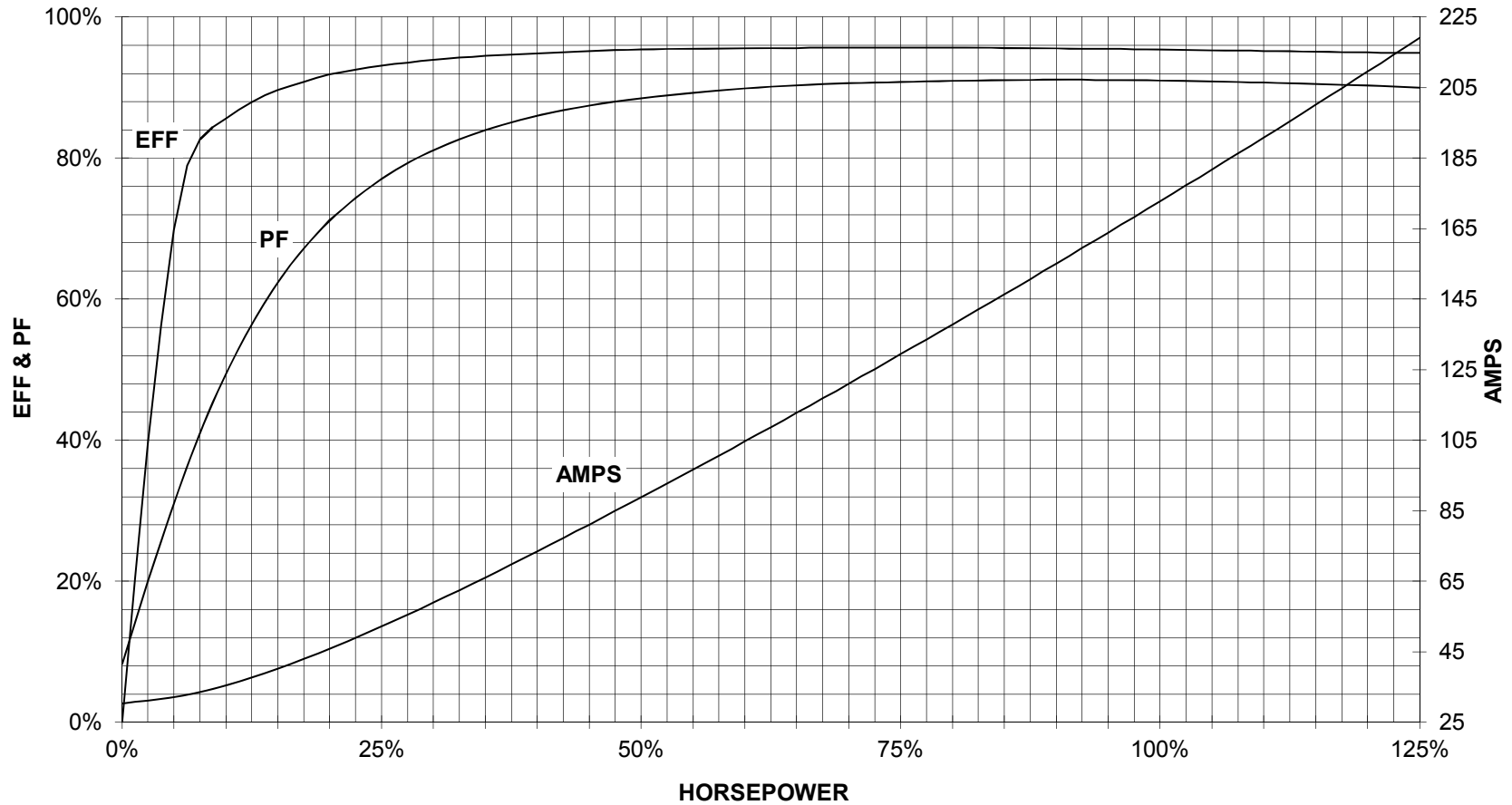
TORQUE & CURRENT VS. SPEED



CUSTOMER: _____ ORDER#: _____

200HP 3600 RPM 447TS FRAME 575 VOLTS 3 PHASE NEMA DESIGN B

SIEMENS INDUSTRY, INC.
PERFORMANCE CURVE
XP100



CUSTOMER _____ ORDER # _____ PO # _____

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

REV. 1