

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

Motor type: **FS: 215T - 4p - 10 hp -**

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

Electrical data Class I Division 1 Groups D

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	10.00	-/-	1,755	10.00	8.00	6.40	4.90	64.8	91.7	92.2	91.7	81.7	76.2	63.8	30.0	270	410
Frame Type: 215T		Type of constr.: (A) Foot mounted - End shield					Ins. Cl.:Insulation class F		Motor Prot.:(A) No winding protection			NEMA Des.: B		S.F.: 1.15					
Mtr. WT:200							Temp. Rise Cl.: B		Amb. Temp.: + to -20 °C @1000 m			kVA: H		IP IP65					

Mechanical data

Sound level (SPL / SWL) at 60 Hz	57.0 dB(A) / 69.0 dB(A)	Thickener	Polyurea
Octave Band Center Frequencies Hertz		Safe Stall Time Hot	20 s
250	500	1000	2000
4000	8000	Hz	
SPL@3		dB(A)	
Moment of inertia	0.9 Lb-ft ²	Safe Stall Time Cold	36 s
Ext Load Inertia Capability:	51.0 Lb ft ²	Frame material	cast iron
Bearings		Color, paint shade	
Bearing DE NDE	6208 Z C3 S0	6208 Z C3 S0	
Bearing_Type	Ball Bearing	Ball Bearing	
AFBMA:	40BC02JP30	40BC02JP30	
Grease		Coating (paint finish)	
Capacity	0.3 oz	0.3 oz	
Grease Type:	Exxon Mobile EM	Ventilation Type	
		Method of cooling	TEFC
		Direction of rotation	Bidirectional
		Fan Material	Polypropylen ESD
		VFD	CT: 4:1 VT: 20:1
		Space heaters	without
		Brake:	-/-

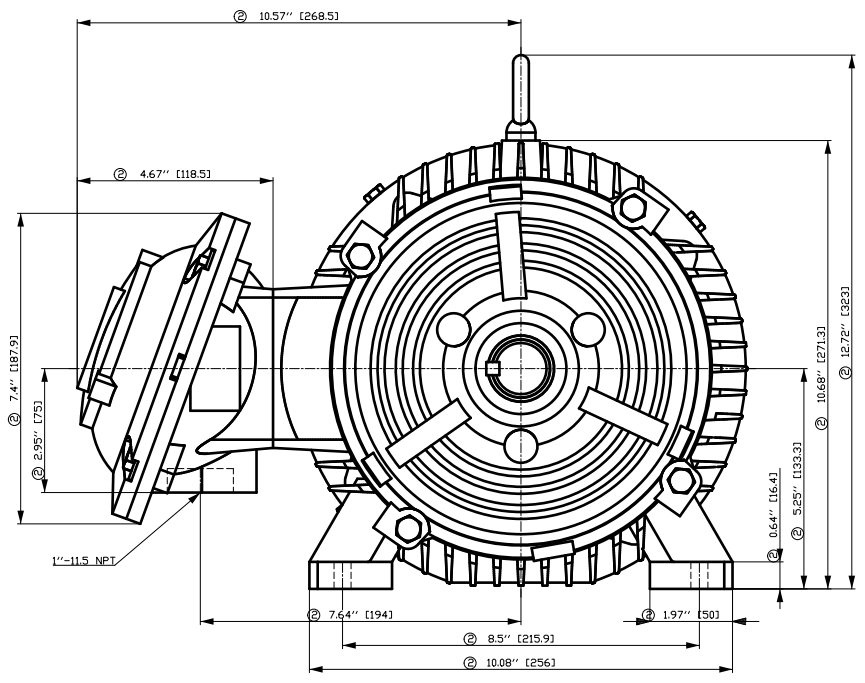
Terminal box

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

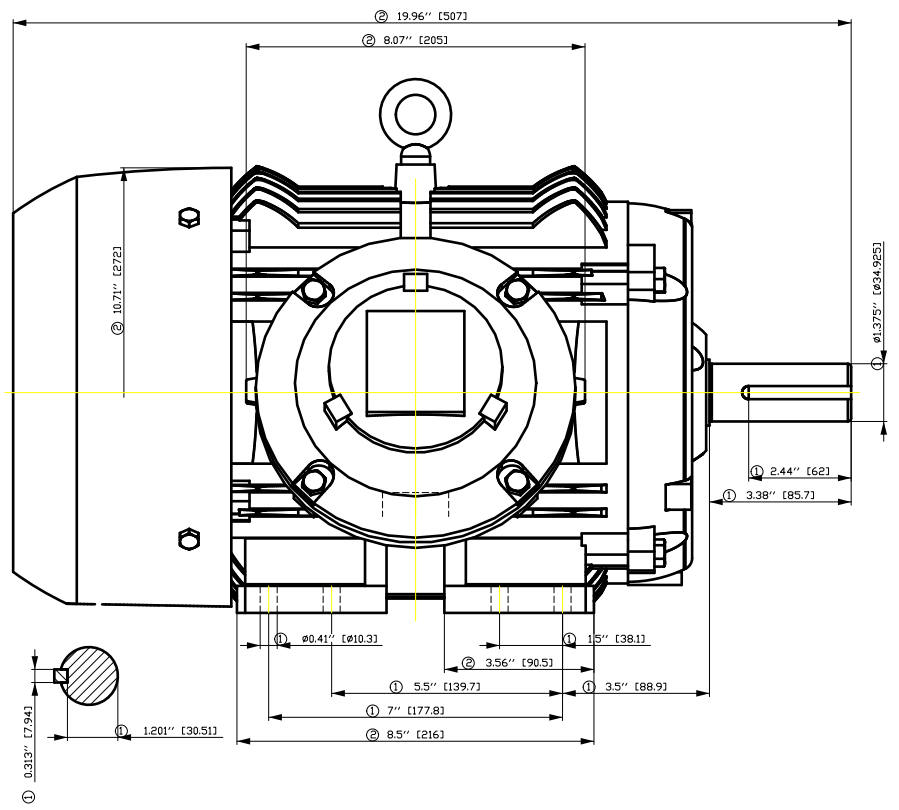
Notes:

I_r/I_N = locked rotor current / current nominal
 M_r/M_N = locked rotor torque / torque nominal
 M_d/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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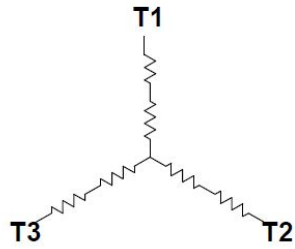


- ① Tolerances according to NEMA std.
- ② All these dimensions corresponding to assemblies and castings shall have a tolerance as per DIN standard 1686-GTB 19.
- ③ Not according to NEMA std.



Tolerance	Surface	Material	Weight	Scale	
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E	Creator				ÖVS
	Approval				T æ : ^ 2 @ } *
	Department				
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	Doc. State	I ð ÖGG	Item No	Paper Size	
	Revision	Index	RS	1st Language	
				2nd Language	
© Siemens AG	Project No	E	Ref No	E	
2018				Sheet	
				F of F	

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
1MB2221-2AB21-3AA3

document status
free

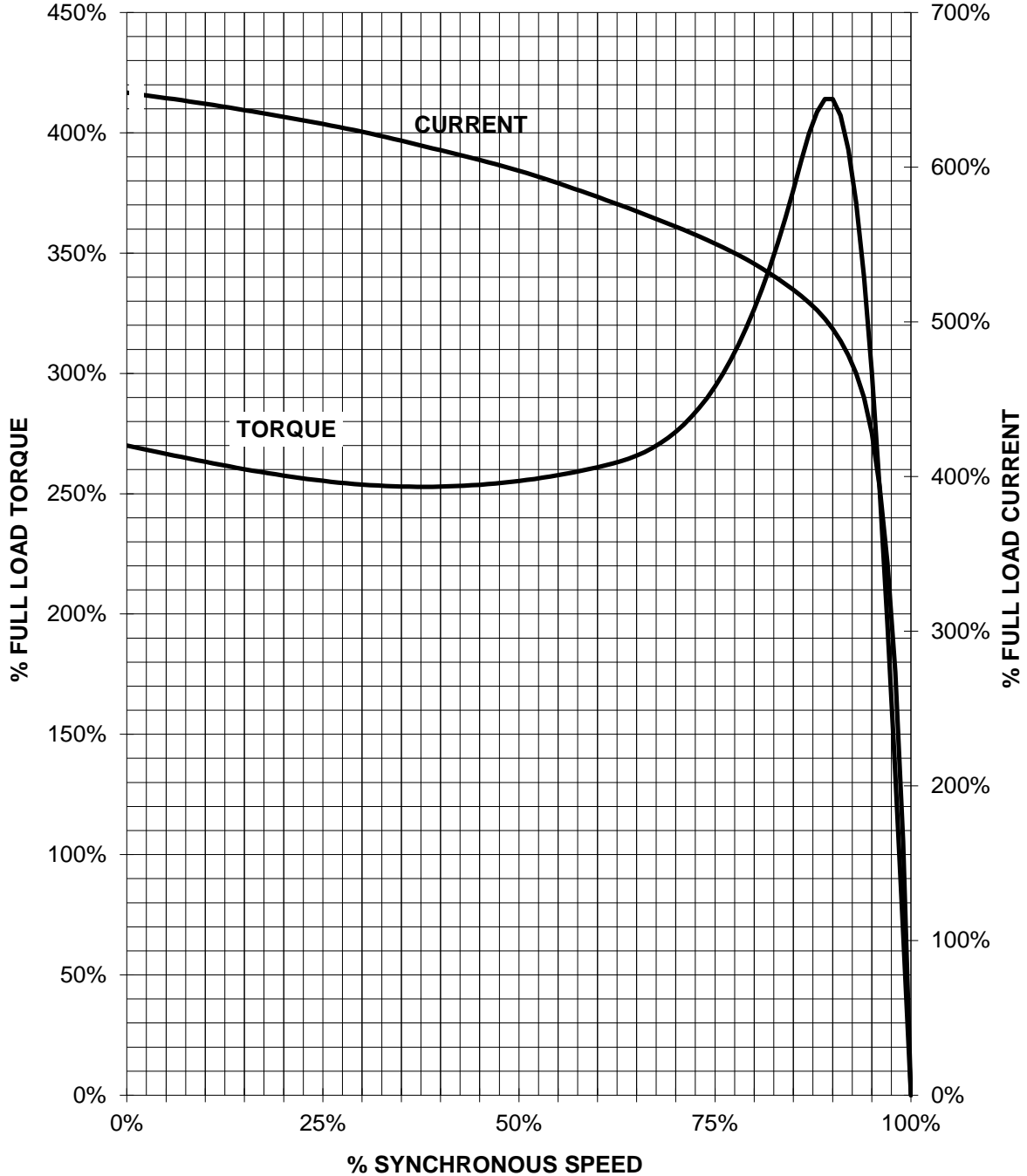
document number

customer

SIEMENS INDUSTRY, INC.

HP 10 VOLTS <600 RPM 1800 TYPE XP100 1D1
HZ 60 PHASE 3 FRAME 215T NEMA B

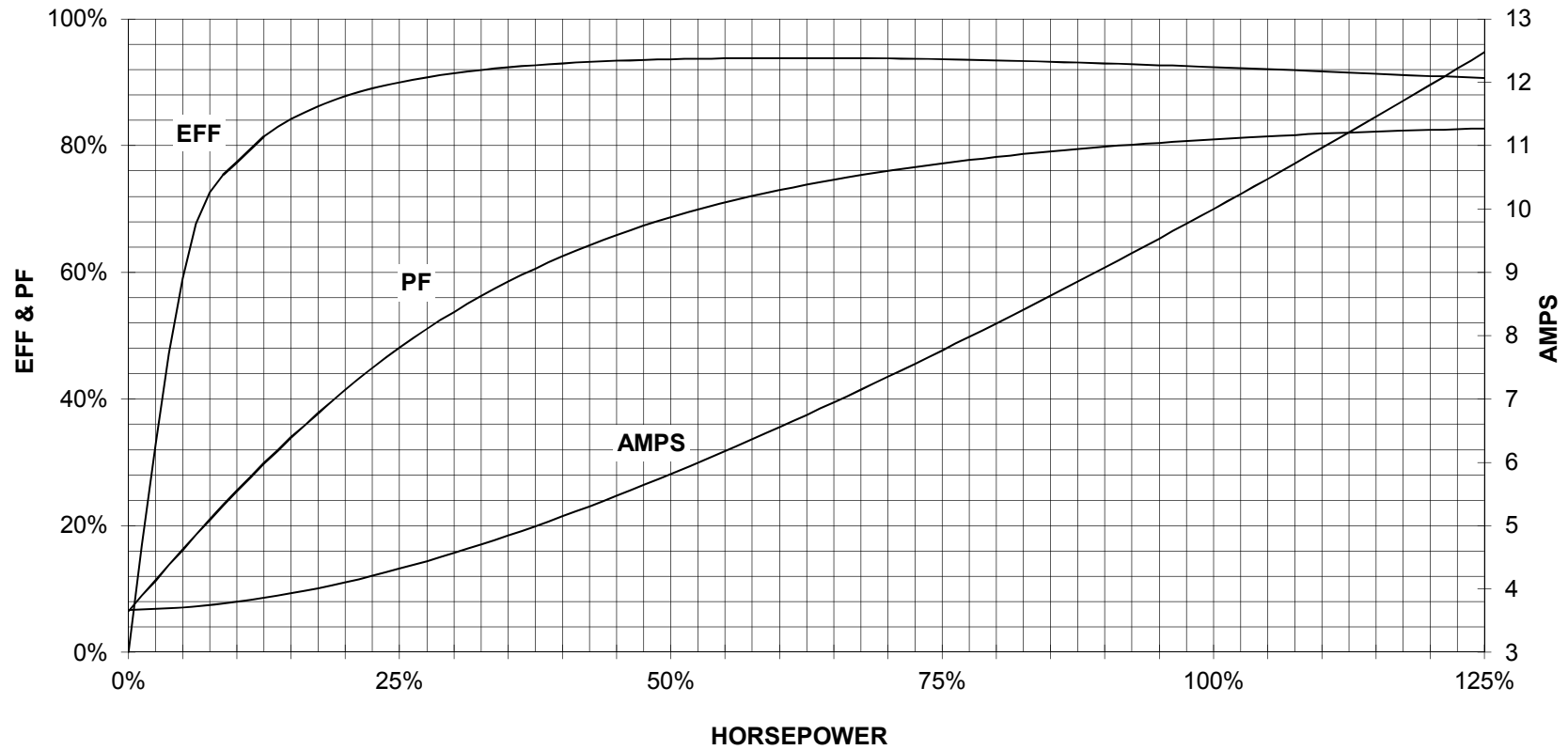
TORQUE & CURRENT VS. SPEED



CUSTOMER: _____ ORDER#: _____

10 HP 1800 RPM 215T FRAME 575 VOLTS 3 PHASE NEMA DESIGN B

SIEMENS INDUSTRY, INC.
PERFORMANCE CURVE
XP100 1D1



CUSTOMER _____ ORDER # _____ PO # _____

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

REV. 1