

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

Motor type: GP100 FS: 215T - 4p - 10 hp -

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

Remarks

Electrical data	without
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without

[illegible]

Frame Type: 215T	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:166		Temp. Rise Cl.: B	Amb. Temp.: + 40 to -20 °C @1000 m	kVA: H	I.P.: 55

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		Safe Stall Time Cold				36 s							
SPL@3		37.0		44.0		54.0		53.0		44.0		35.0		dB(A)		Frame material				cast iron					
Moment of inertia								0.9 Lb-ft²								Color, paint shade				Standard Paint - RAL7030					
Ext Load Inertia Capability:								51.0 Lb ft²								Coating (paint finish)				Standard Alkyed + Epoxy (C2)					
Bearings																Ventilation Type									
Bearing DE NDE						6208 ZZ C3 S0						6208 ZZ C3 S0						Method of cooling				TEFC			
Bearing_Type						Ball Bearing						Ball Bearing						Direction of rotation				Bidirectional			
AFBMA:						40BC02JPP30						40BC02JPP30						Fan Material				Polypropylen			
Grease																VFD				CT: 4:1 VT: 20:1					
Capacity						0.30 oz						0.30 oz						Space heaters				without			
Grease Type:								Exxon Mobile EM								Brake:				without					

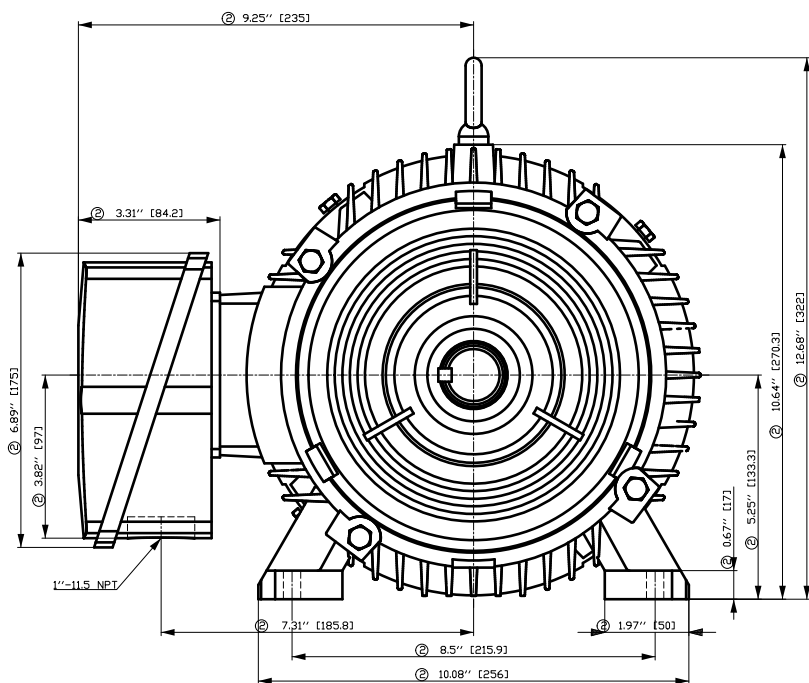
Terminal box

Lead Wire Connection					9 LEAD - WYE	Terminal box position	(3) F-1, Standard Floor Mount, T. Box LHS
Voltage	L1	L1	L1	Connected together	Material of terminal box	Aluminium	
LOW	T1 T7	T2 T8	T3 T9	T4 T5 T6	Cable entry	1" NPT	
HIGH	T1	T2	T3	T4 T7-T5 T8-T6 T9			

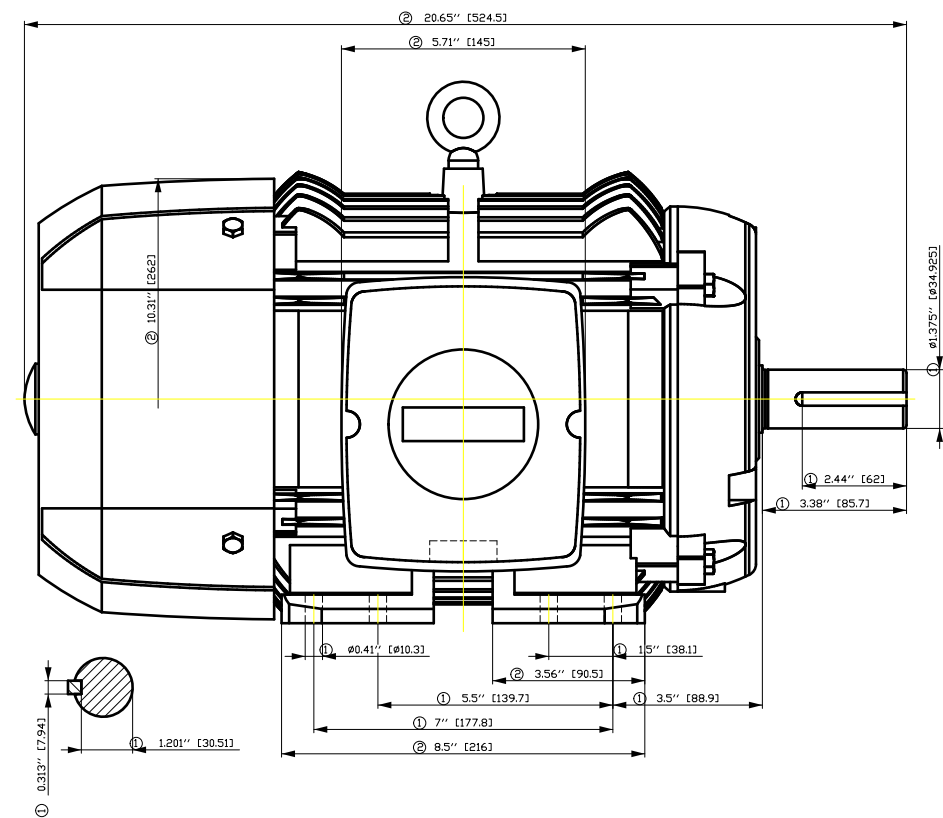
Notes:

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
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responsible dep. DI MC LVM	technical reference	created by DT Configurator	approved by		Technical data are subject to change! There may be discrepancies between published and actual data.			
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	title 1LE2221-2AB21-4AA3							document number
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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.

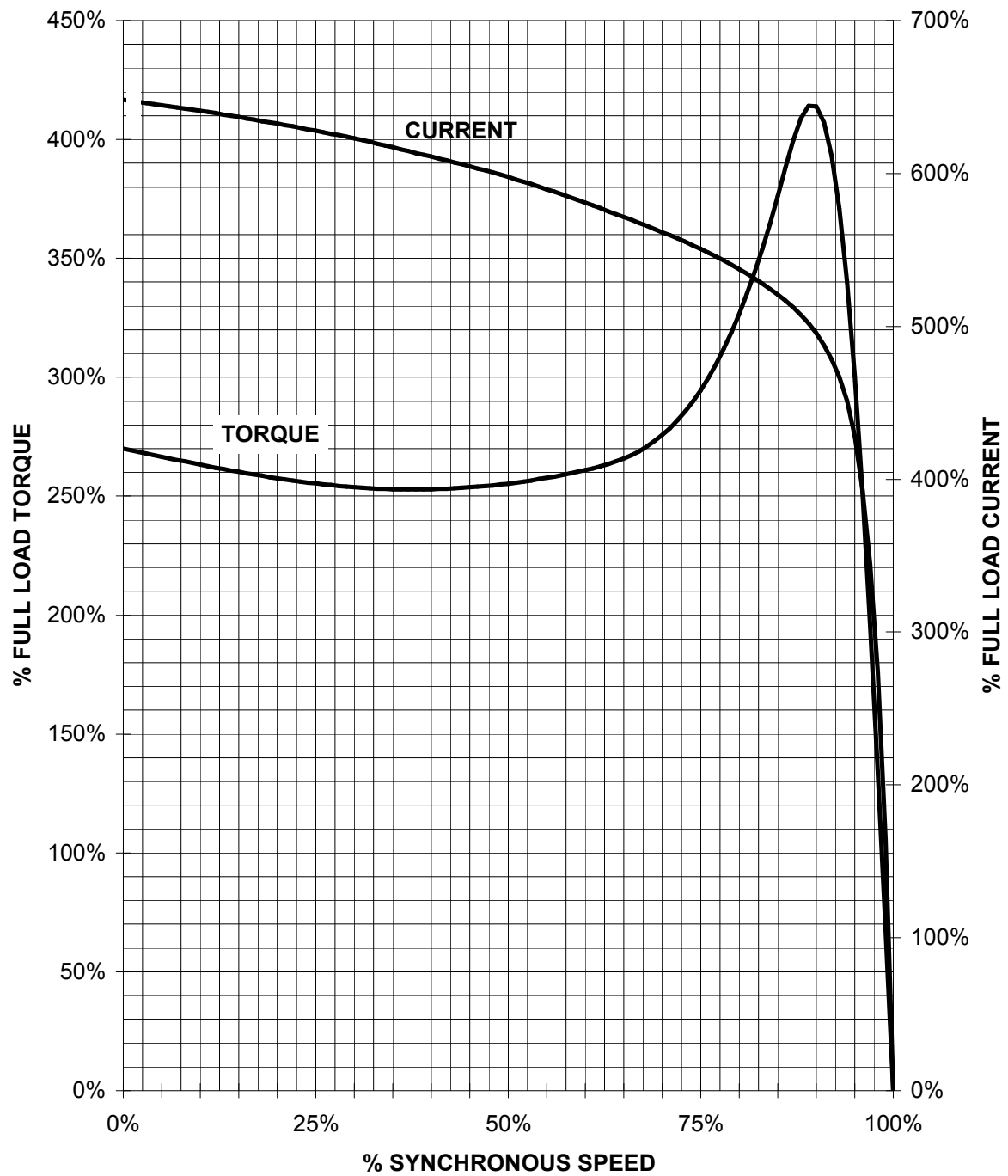


Tolerance	Surface	Material	Weight	Scale
1LE2221-2AB21-4AA3	Author	Dimensional drawing Maßezeichnung		
-	Creator			
	Approval			
	Department			
	Change Order	MLFB	Doc Type	
SIEMENS	Doc. Date	4/21/21	Item No	Paper Size A3
	Revision	Index RS	Doc No	1st Language en
				2nd Language de
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SIEMENS INDUSTRY, INC.

HP 10 VOLTS < 600V RPM 1800 TYPE GP100
HZ 60 PHASE 3 FRAME 215T NEMA B

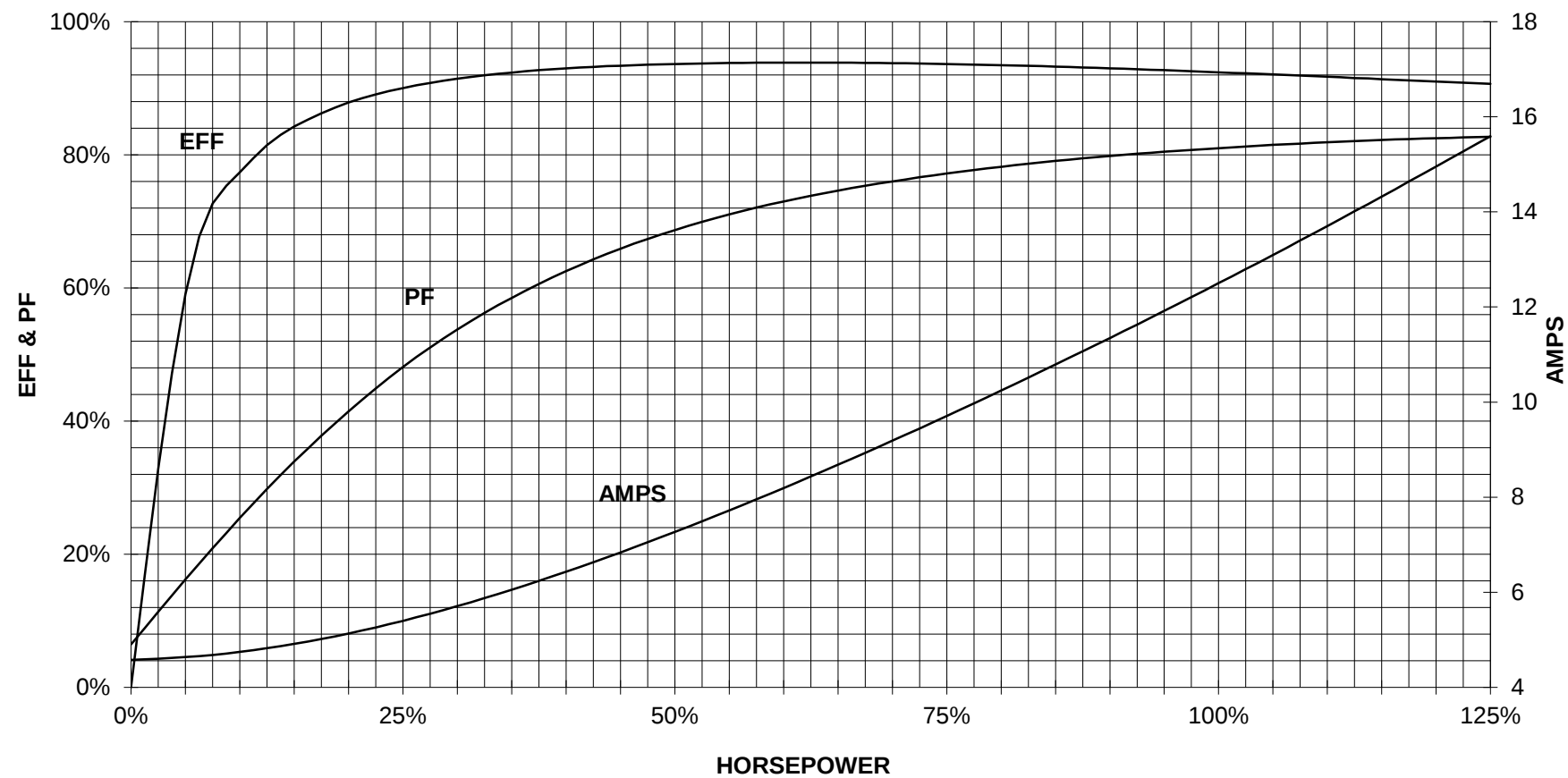
TORQUE & CURRENT VS. SPEED



CUSTOMER: ORDER#:

10 HP 1800 RPM 215T FRAME 460 VOLTS 3 PHASE NEMA DESIGN B

SIEMENS INDUSTRY, INC.
PERFORMANCE CURVE
GP100



CUSTOMER _____ ORDER # _____ PO # _____

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

REV. 1

Main terminal diagram



9 LEAD WYE						
Volts	LINES			CONNECTED TOGETHER	CONN.	
	L1	L2	L3			
LOW	T1 T7	T2 T6	T3 T9	T4 T5 T6	Y Y	
HIGH	T1	T2	T3	T4 T7-T5 T8-T6 T9	Y	

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DI MC LVM

technical reference

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document type
Wiring Diagram

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document number

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