

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

Motor type: **GP100** FS: 215T - 2p - 10 hp -

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

Remarks

Electrical data without

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			
460	Y	60	10.00	7.50	3,555	11.50	8.80	6.50	3.40	81.0	91.7	92.3	92.0	89.0	86.0	78.0	15.0	200	353
230	YY	60	10.00	7.50	3,555	23.00	17.69	13.05	6.80	162.0	91.7	92.3	92.0	89.0	86.0	78.0	15.0	200	353

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: 185		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	66.0 dB(A) / 78.0 dB(A)		Thickener	Polyurea					
Octave Band Center Frequencies Hertz			Safe Stall Time Hot	13 s					
	250	500	1000	2000	4000	8000	Hz	Safe Stall Time Cold	24 s
SPL@3	53.0	55.0	63.0	62.0	58.0	47.0	dB(A)	Frame material	cast iron
Moment of inertia	0.9 Lb-ft ²		Color, paint shade	Standard Paint - RAL7030					
Ext Load Inertia Capability:	11.0 Lb ft ²		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: 10:1 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		

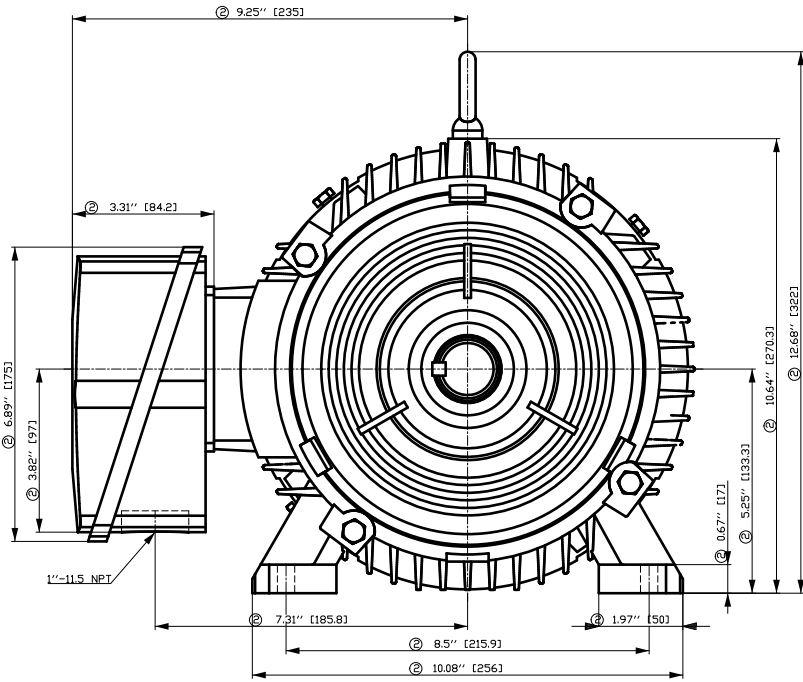
Notes:

I_r/I_N = locked rotor current / current nominal
M_r/M_N = locked rotor torque / torque nominal
M_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>
-------------------------------	---------------------	-------------------------------	-------------	--

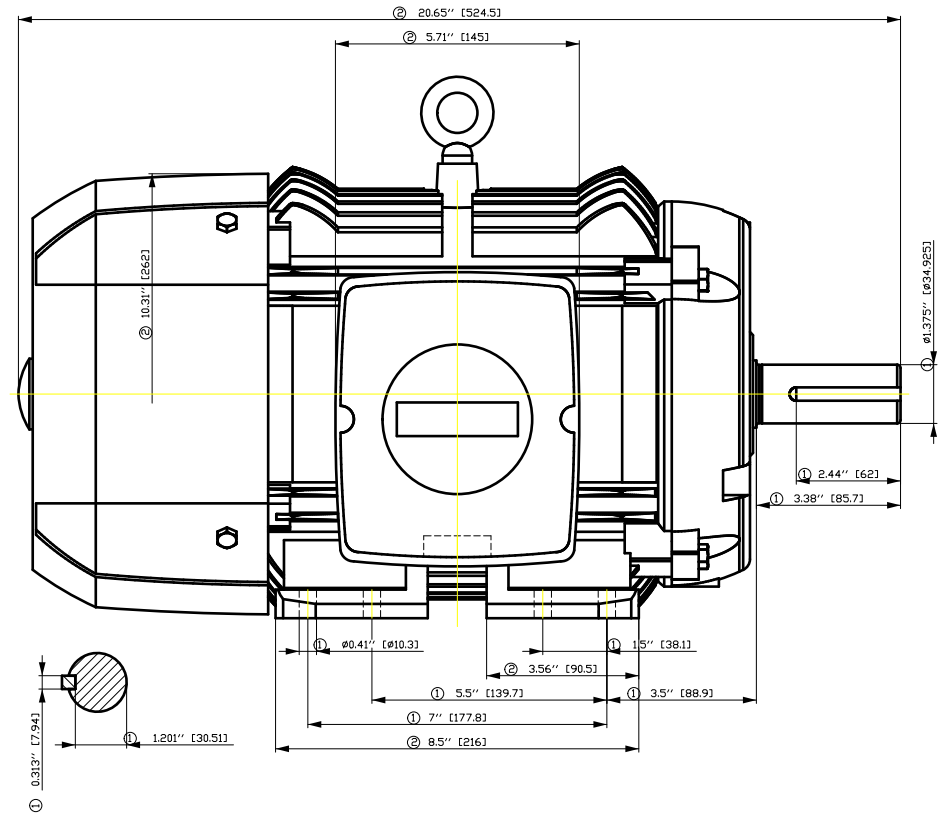
	document type datasheet	document status released	customer	
	title 1LE2211-2AA21-4AA3	document number		
© Siemens AG 2021	rev. 01	creation date 2021-05-26 17:47	language en	Page 1/1



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.

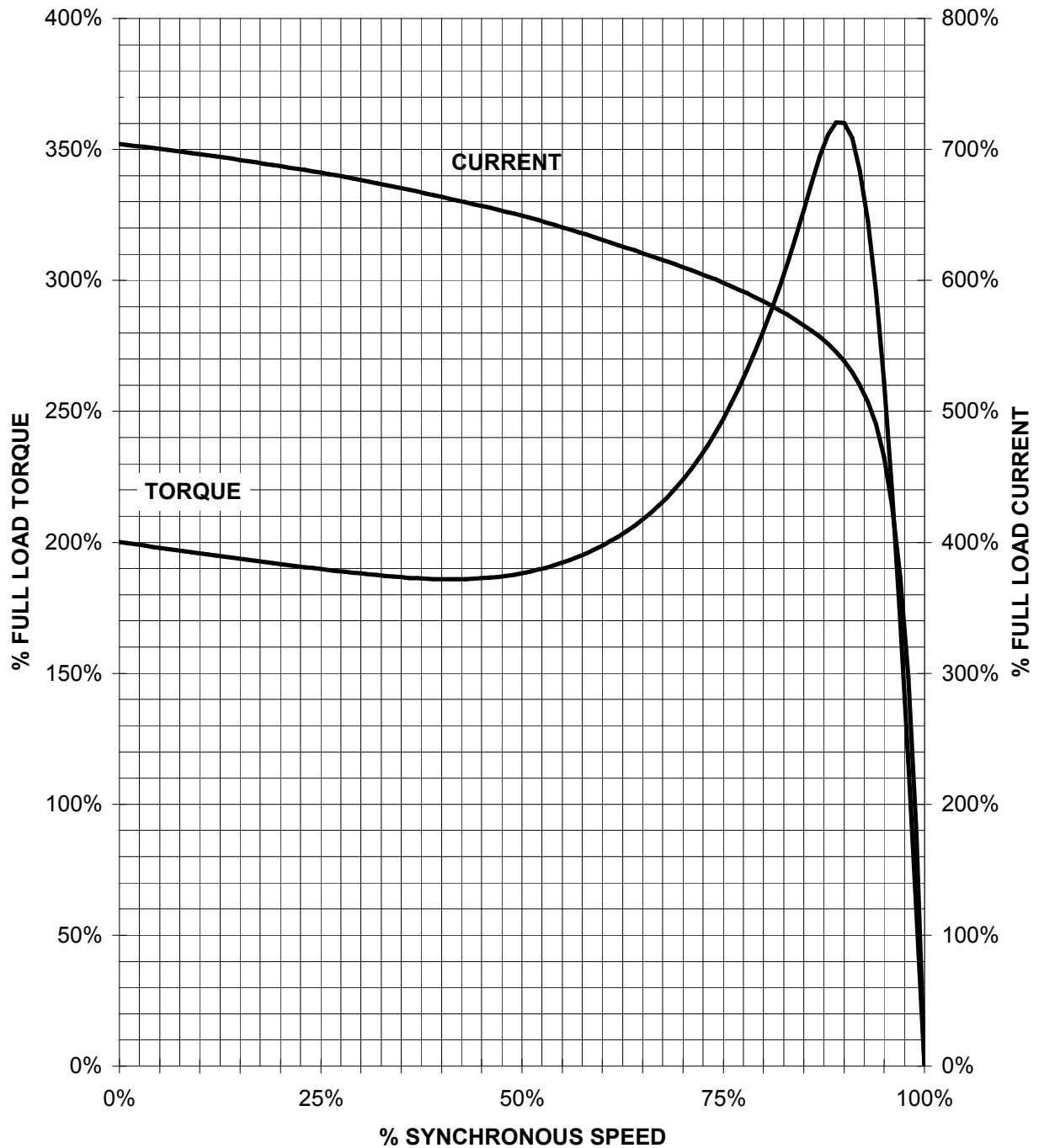


Tolerance	Surface	Material	Weight	Scale
F50GFF E	Author Creator Approval Department Change Order	ÖVS T a : ^ @ } *	E	{ {
SIEMENS	Doc. State Revision	Item No Doc No	Doc Type Paper Size	^ ^
© Siemens AG 2018	Index RS	Ref No	Sheet	F of F

SIEMENS INDUSTRY, INC.

HP 10 VOLTS < 600V RPM 3600 TYPE GP100 NPP
HZ 60 PHASE 3 FRAME 215T NEMA B

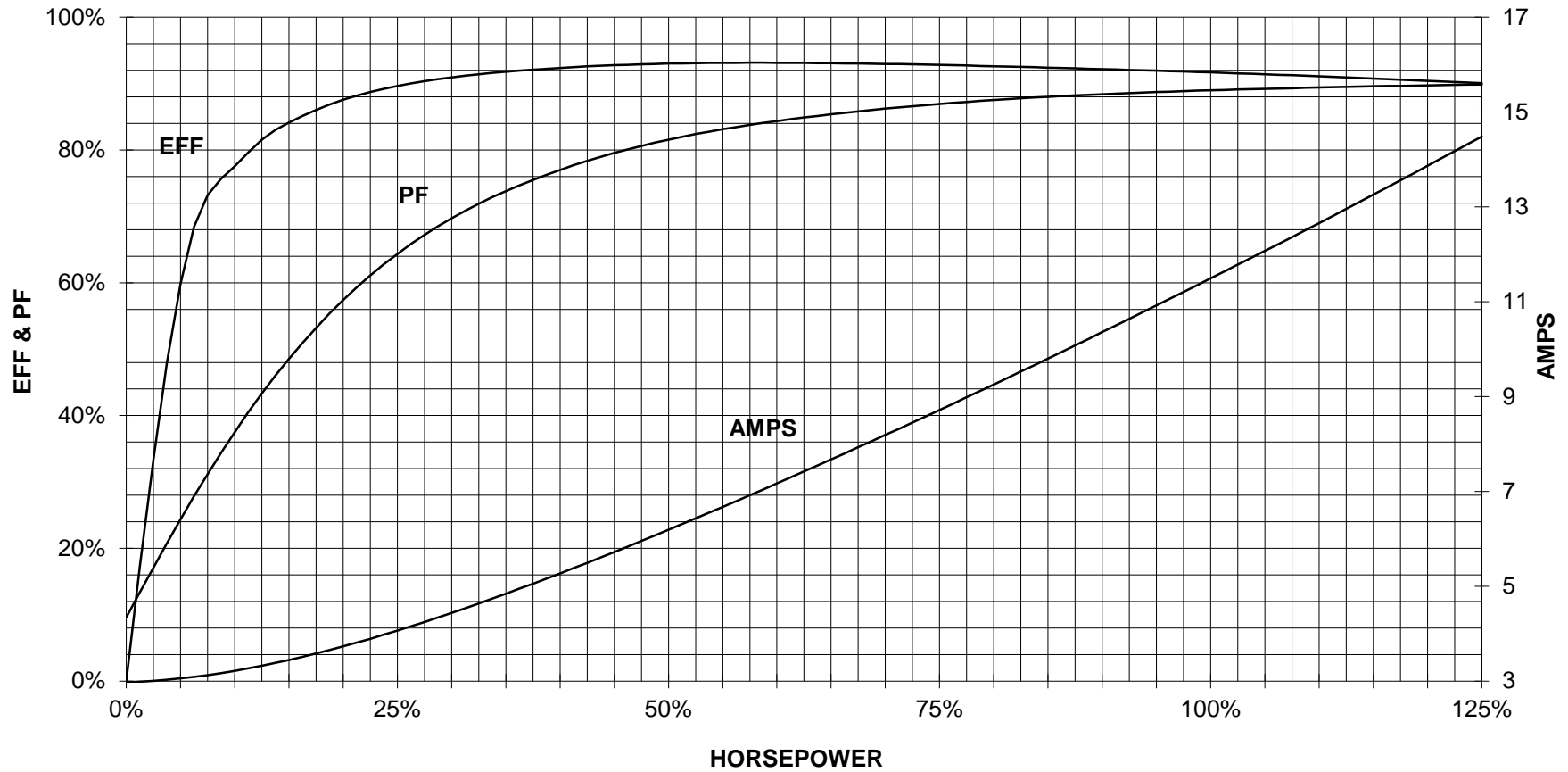
TORQUE & CURRENT VS. SPEED



CUSTOMER: _____ ORDER#: _____

10 HP 3600 RPM 215 FRAME 460 VOLTS 3 PHASE NEMA DESIGN B

SIEMENS INDUSTRY, INC.
PERFORMANCE CURVE
GP100 NPP



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	YY	
HIGH	T1	T2	T3	T4 T7-T5 T8-T6 T9	Y	

responsible dep. DI MC LVM	technical reference	created by	approved by	Project
SIEMENS	document type Wiring Diagram	document status free		customer
	title 1LE2211-2AA21-4AA3	document number		
© Siemens AG 2019	rev. 01	creation date 12/03/2019	language en	Page 1/1