



Data sheet for three-phase Squirrel-Cage-Motors

Totally Enclosed Fan Cooled (TEFC)

MLFB-Ordering data: **1LE2221-2AD11-4EA3**

Motor type: **GP100 - NEMA Premium Efficiency**

Client order no.:

Order no.:

Offer no.:

Remarks:

Item no.:

Consignment no.:

Project:

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	1/2	4/4	3/4	1/2				
460	Y	60	2.00	1.50	870	3.30	2.60	2.20	2.00	16.0	84.0	84.5	84.0	67.0	63.0	51.0	12.0	167	292	
230	YY	60	2.00	1.50	870	6.60	5.28	4.37	4.00	32.0	84.0	84.5	84.0	67.0	63.0	51.0	12.0	167	292	
Frame Type 213TC			Type of constr.: (E) Foot mounted - C-Face				Ins. Cl.: F		Motor Prot.: (A) Without Protection				NEMA Des.: B		S.F.: 1.15					
Mtr WT: 126 lbs			Mounting: (3) F-1, Standard Floor Mount, T. Box LHS				Temp. Rise Cl.: B		Amb. Temp.: +40 to -20 °C @1000 m				kVA: H		IP55					

Mechanical data

WK2

Rotor Moment of Inertia:	0	Lb-ft ²
Ext Load Inertia Capability:	60.0	Lb-ft ²

Safe Stall Time

Hot:	22.0	s
Cold:	38.0	s

Typical Noise Data

A-weighted Sound		
Sound Pressure:	73.0	dB(A)
Sound Power:	64.0	dB(A)

Octave Band Center Frequencies Hertz

	250	500	1000	2000	4000	8000	Hz
SPL@3 feet	42.0	52.0	64.0	54.0	47.0	34.0	dB(A)

Bearings

	DE	NDE
Bearing size:	6208 ZZ C3 S0	6208 ZZ C3 S0
Bearing Type:	Ball Bearing	Ball Bearing
AFBMA:	40BC02JPP30	40BC02JPP30

Grease

Capacity:	0.30	oz	0.30	oz
Type:	Exxon Mobile EM			
Thickener:	Polyurea			

Frame

Frame material:	cast iron
Coating (paint finish):	Standard Paint
Color, paint shade:	RAL 7030

Terminal box

Terminal box position:	(3) F-1, Standard Floor Mount, T. Box LHS
------------------------	---

Lead Wire Connection

Description:	9 LEAD - WYE				
Voltage	L1	L2	L3	Connected together	
LOW	T1 T7	T2 T8	T3 T9	T4 T5 T6	Y Y
HIGH	T1	T2	T3	T4 T7-T5 T8-T6	Y
				T9	

Ventilation Type

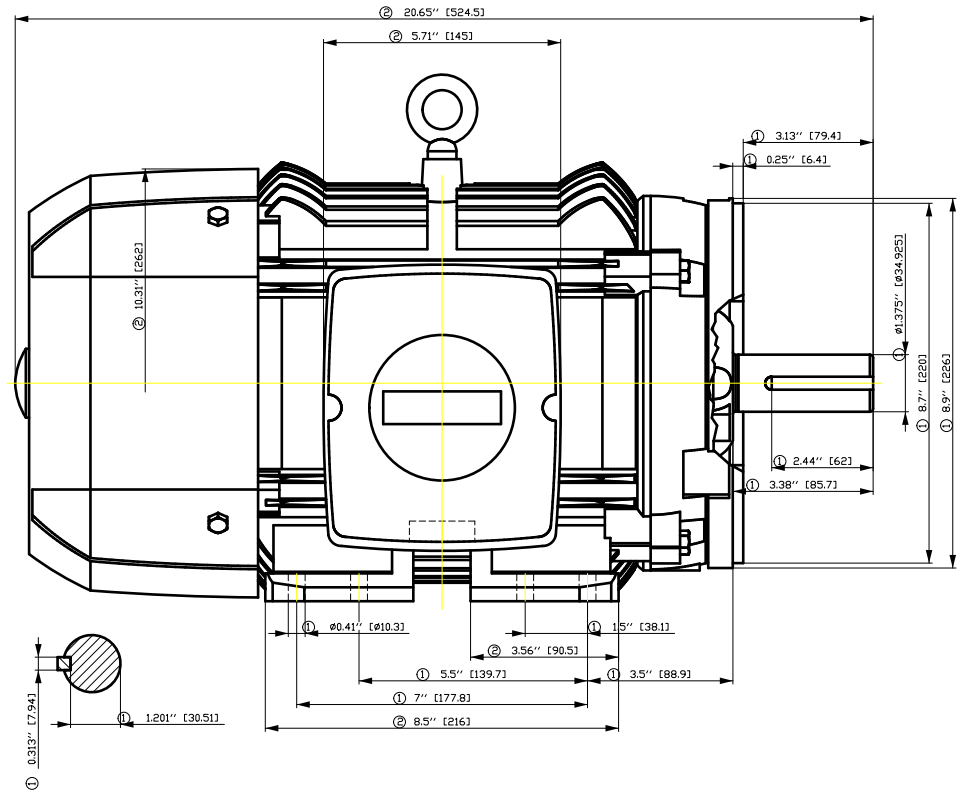
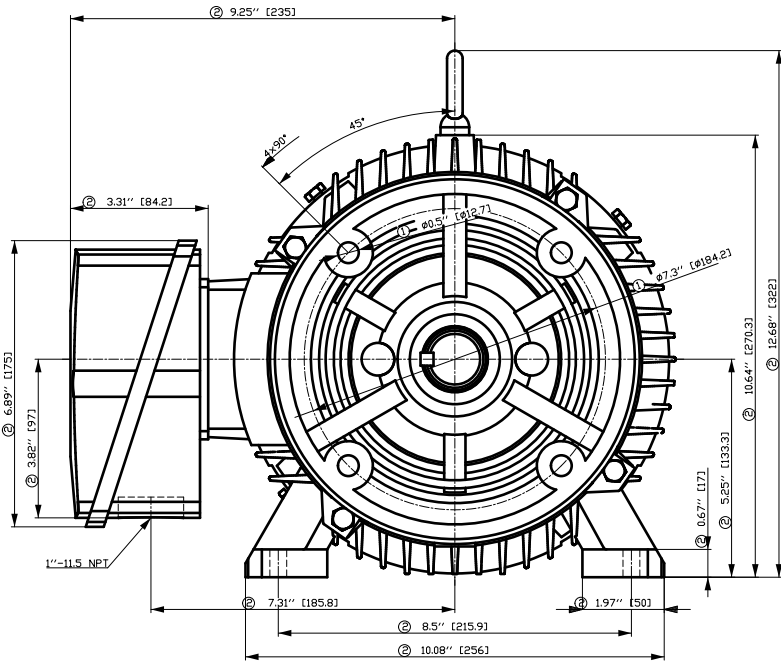
Type of Cooling:	TEFC
Fan Material:	Polypropylen
Fan Rotation:	Bidirectional

Additional information

VFD Operation:	CT: 4:1	VT: 20:1
Area: classification:	without	

Notes

I_A/I_N = locked rotor current / current nominal T_k/T_N = break down torque / nominal torque
 T_A/T_N = locked rotor torque / torque nominal ¹⁾ Value is valid only for DOL operation with motor design IC411



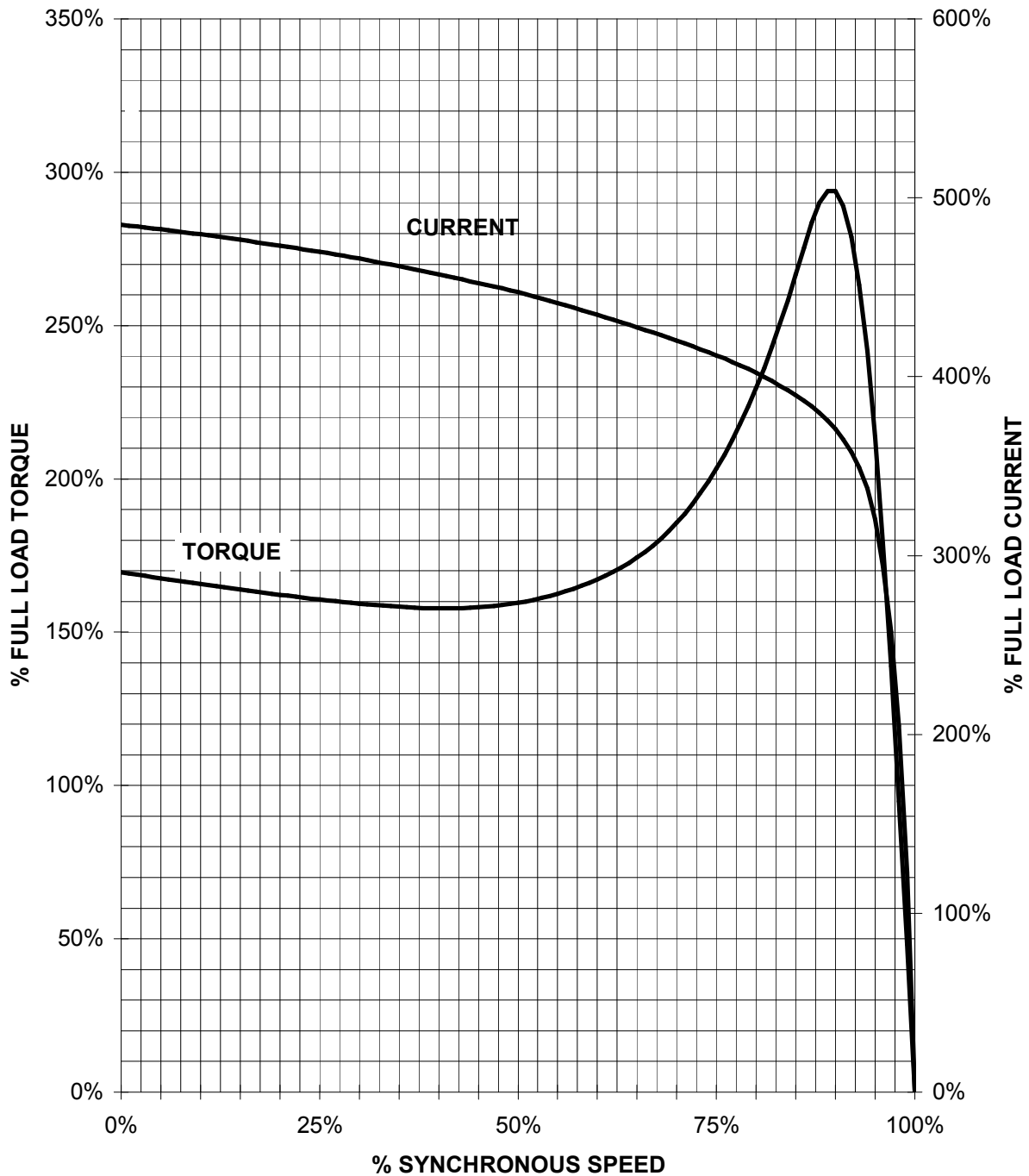
- ① Tolerances according to NEMA std.
- ② All these dimensions corresponding to assemblies and castings shall have a tolerance as per DIN standard 1686-GTB 19.
- ③ Not according to NEMA std.

Tolerance	Surface	Material	Weight	Scale	
F50GGFE00FF0E0EH	Author	ÖS T a : ^ & @ } *	E		
E	Creator				ÖVS
	Approval				
	Department				
	Change Order	MLFB	Doc Type	/	
SIEMENS	Doc. State	i 00E	Item No	Paper Size	
	Revision	Index	Doc No	1st Language	
© Siemens AG 2018	Project No	E	Ref No	E	
				2nd Language	
				Sheet	
				F of F	

SIEMENS INDUSTRY, INC.

HP 2 VOLTS < 600V RPM 900 TYPE GP100
HZ 60 PHASE 3 FRAME 213T NEMA B

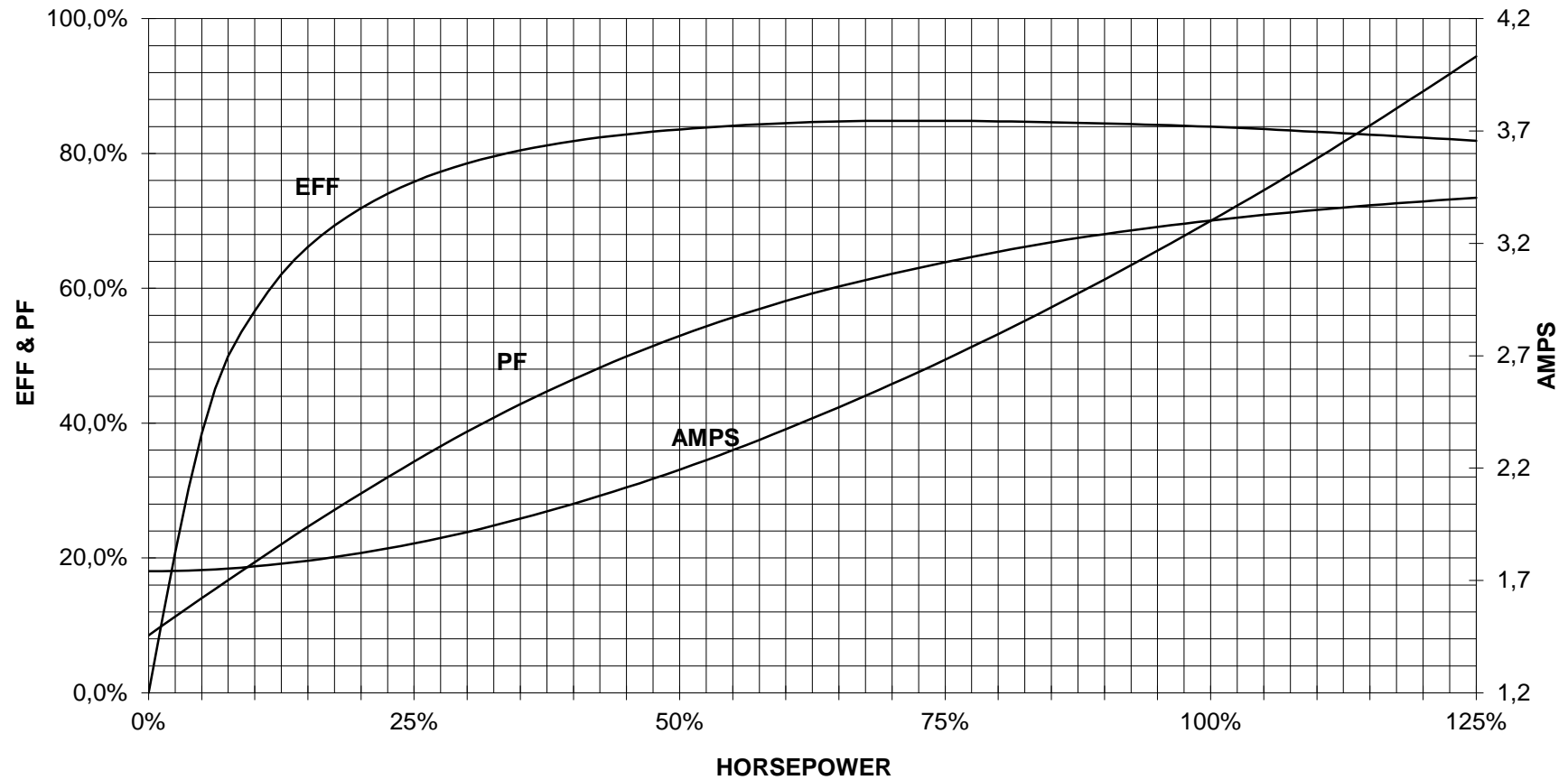
TORQUE & CURRENT VS. SPEED



CUSTOMER: _____ ORDER#: _____

2 HP 900 RPM 213T FRAME 460 VOLTS 3 PHASE NEMA DESIGN B

SIEMENS INDUSTRY, INC.
PERFORMANCE CURVE
GP100

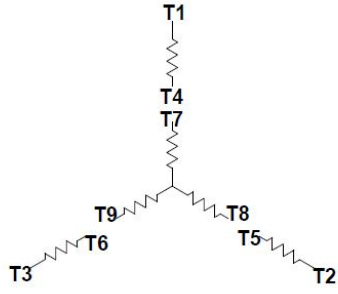


CUSTOMER _____ ORDER # _____ PO # _____

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	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 1LE2221-2AD11-4EA3	document number		
© Siemens AG 2019	rev. 01	creation date 12/03/2019	language en/en	Page 1/1