



Data sheet for three-phase Squirrel-Cage-Motors

Totally Enclosed Fan Cooled (TEFC)

MLFB-Ordering data: 1LE2121-2AB11-4AA3

Motor type: GP100A - 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	T _k /T _N
						4/4	3/4	1/2	0	4/4		3/4	1/2	4/4	3/4	1/2	LRT [%]		BDT [%]	
460	Y	60	7.50	5.50	1,765	9.70	7.90	6.40	5.00	63.0	91.7	91.7	90.7	78.9	72.3	60.5	22.0	273	455	
230	Y Y	60	7.50	5.50	1,765	19.40	15.89	12.80	10.00	126.0	91.7	91.7	90.7	78.9	72.3	60.5	22.0	273	455	
Frame Type 213T			Type of constr.: (A) Foot mounted - End shield							Ins. Cl.: F		Motor Prot.: (A) Without Protection					NEMA Des.: B		S.F.: 1.15	
Mtr WT: 144 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:	1	Lb-ft ²
Ext Load Inertia Capability:	39.0	Lb-ft ²
Safe Stall Time		
Hot:	25.0	s
Cold:	42.0	s

Typical Noise Data

A-weighted Sound		
Sound Pressure:	69.0	dB(A)
Sound Power:	57.0	dB(A)

Octave Band Center Frequencies Hertz

	250	500	1000	2000	4000	8000	Hz
SPL@3 feet	37.0	44.0	54.0	53.0	44.0	35.0	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:	aluminum
Coating (paint finish):	Standard Paint
Color, paint shade:	RAL 7030

Terminal box

Terminal box position:	(3) F-1, Standard Floor Mount, T. Box LHS
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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 T9	Y	

Ventilation Type

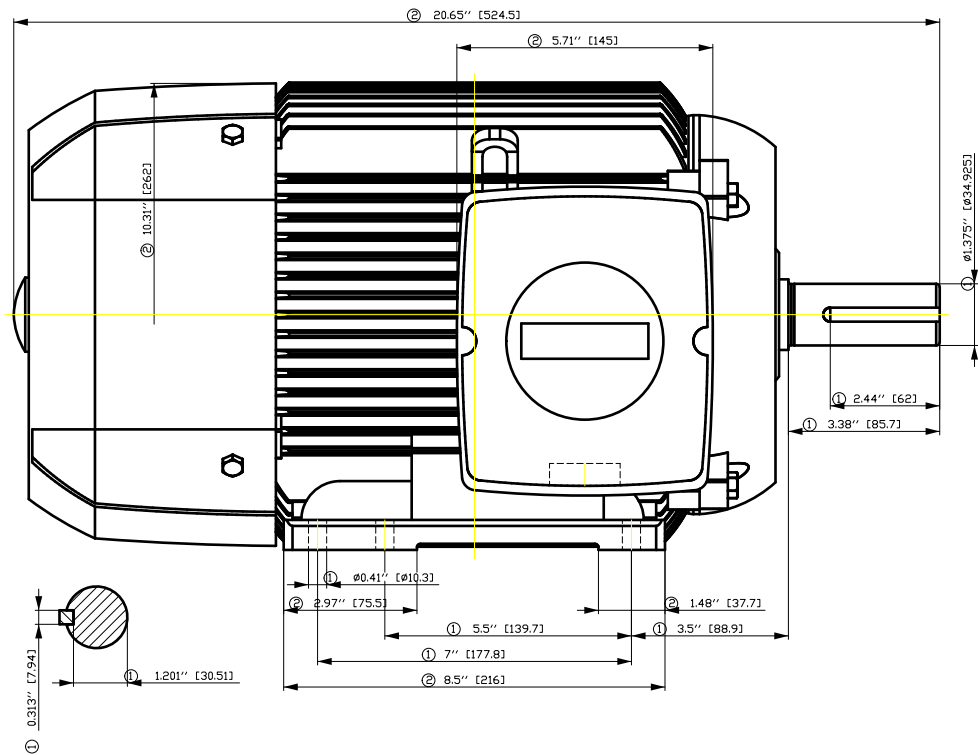
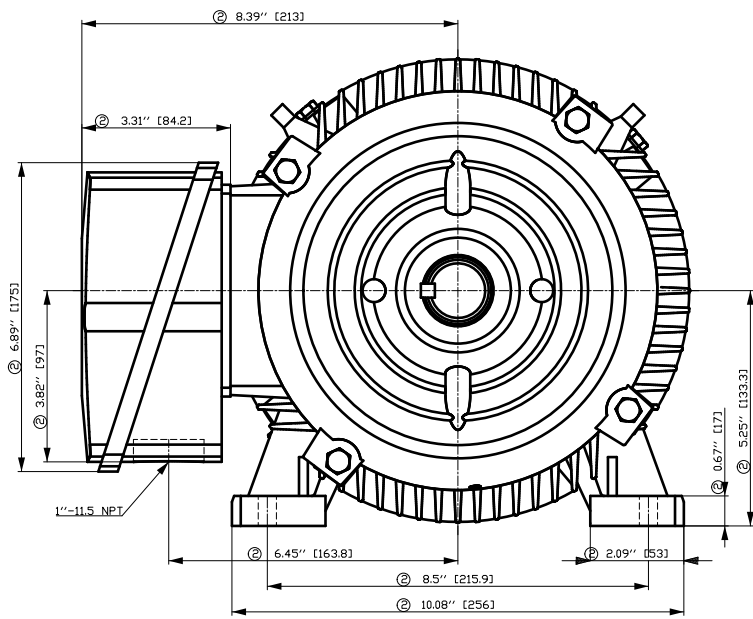
Type of Cooling:	TEFC
Fan Material:	Polypropylen
Fan Rotation:	Bidirectional

Additional information

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

Notes

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



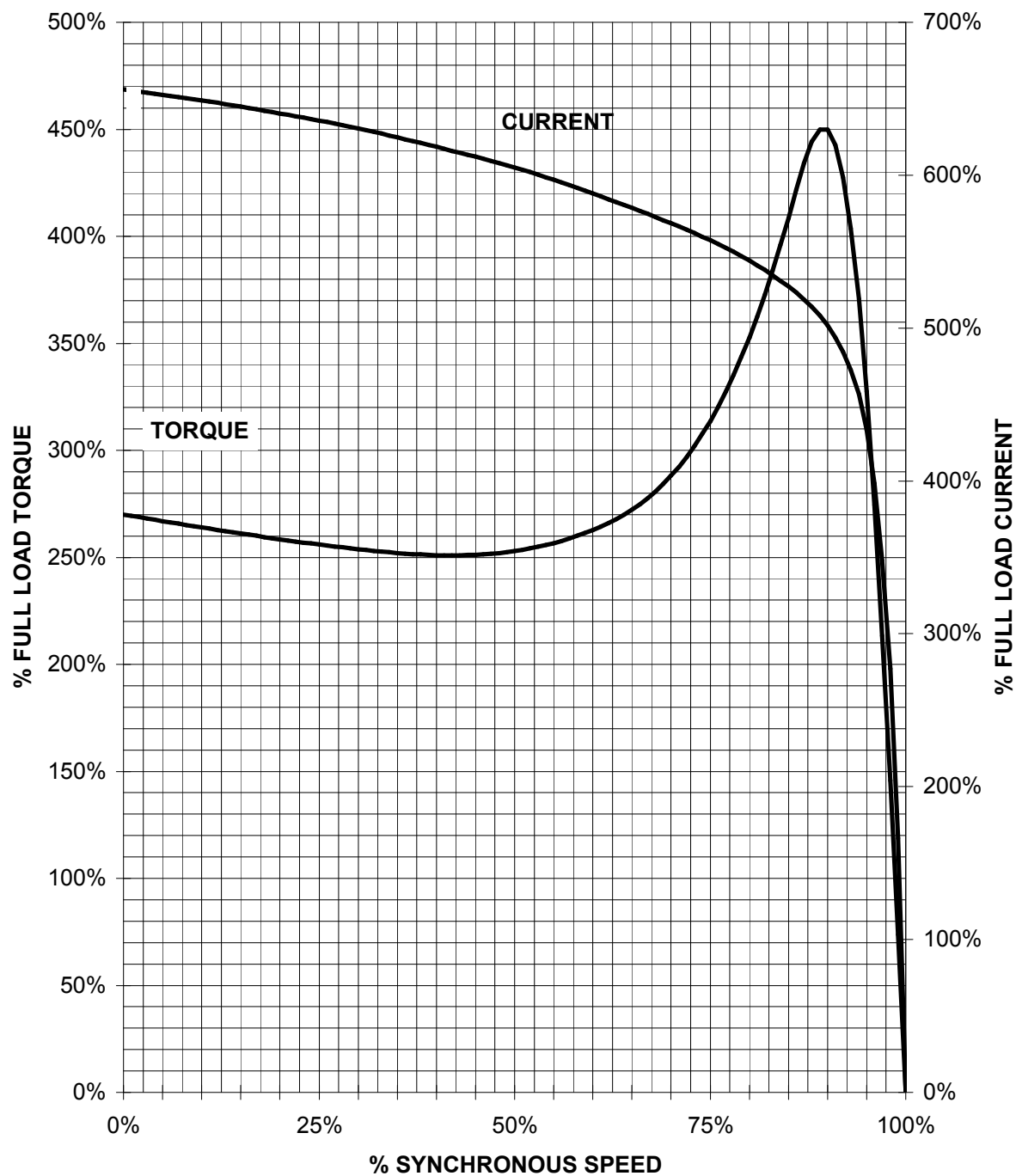
- ① Tolerances according to NEMA std.
- ② All these dimensions corresponding to assemblies and castings shall have a tolerance as per DIN standard 1686-GTB 19.
- ③ Not according to NEMA std.

Tolerance	Surface	Material	Weight	Scale
1LE2121-2AB11-4AA3	Author Creator Approval Department Change Order	Dimensional drawing Maßzeichnung		
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	Revision	Index RS	Doc No	1st Language en 2nd Language de
	Project No	-	Ref No	-
				Sheet 1 of 1

SIEMENS INDUSTRY, INC.

HP 7.5 VOLTS < 600V RPM 1800 TYPE GP100A
HZ 60 PHASE 3 FRAME 213T NEMA B

TORQUE & CURRENT VS. SPEED

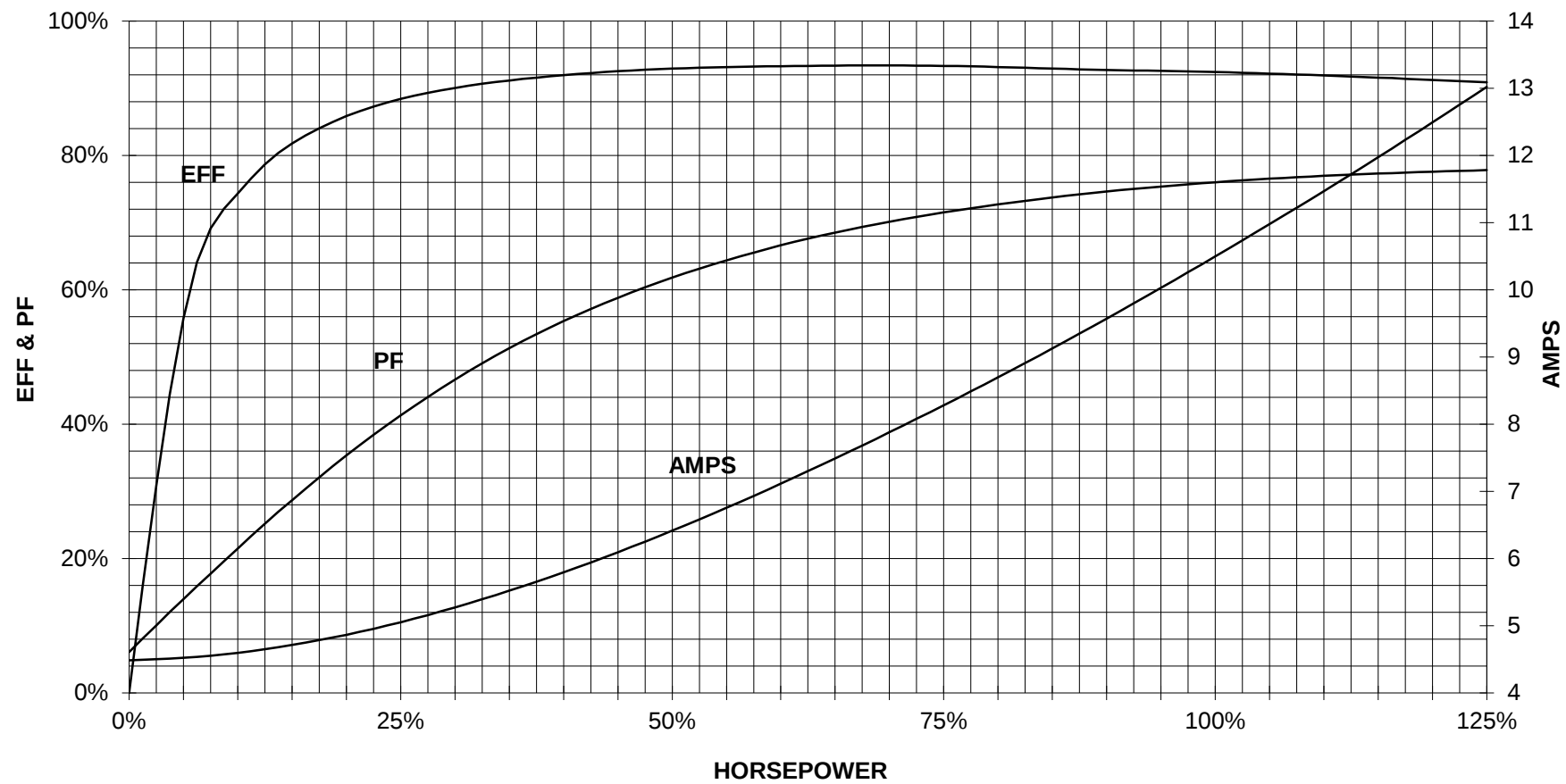


CUSTOMER: _____ ORDER#: _____

PERFORMANCE BASED ON DESIGN CALCULATIONS. SUBJECT TO CHANGE WITHOUT NOTICE.
REV. 1

7.5 HP 1800 RPM 213 FRAME 460 VOLTS 3 PHASE NEMA DESIGN B

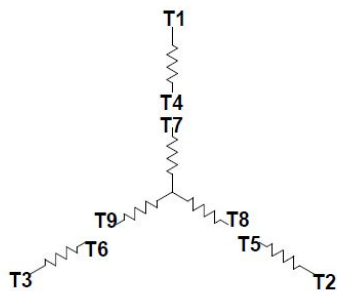
SIEMENS INDUSTRY, INC.
PERFORMANCE CURVE
GP100A NP



CUSTOMER _____ ORDER # _____ PO # _____

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

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	

responsible dep. DI MC LVM		technical reference	created by	approved by	project			
		document type Wiring Diagram			document status free		customer	
		title 1LE2121-2AB11-4AA3			document number			
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