GE
Power Conversion

Product Information Packet

November 9, 2016

Data shown is for the current revision model #. Ensure your nameplate model # matches.

Model Number:	**5KS213STE205F2RG3**
Catalog Number:	**M7561**
Instruction Manual:	GEI-M1031
Connection Diagram:	GEM2034E-FIG210
Outline Drawing:	358B6271AC

Accessory Connection Diagrams

Bearing Thermocouple:	None	**Heater:**	None
RTD:	None	**Thermistor:**	None
Thermostat:	None	**Winding Thermocouple:**	None
Bearing RTD:	None		

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imagination at work

Marks:

MODEL NUMBER:	**5KS213STE205F2RG3**	**Estimated Weight:**	202 Lbs
Outline Drawing:	358B6271AC	**Time Rating:**	CONT
Connection Diagram:	GEM2034E-FIG210	**Enclosure:**	TEFC
Instruction Book:	GEI-M1031	**Encl Construction:**	SD
Design Code:	21AD1014A	**Ambient Max(°C):**	40
Type:	KS	**Alt Ambient Max(°C):**	--
Frame:	213T	**Insulation Class:**	F
Phases:	3	**NEMA Design:**	A
Poles:	4	**Nominal Efficiency:**	91.7 %
Output Power:	7.5HP 5.6KW	**Guaranteed Efficiency:**	90.2
RPM:	1765	**3/4 Load Efficiency:**	92.3
Voltage:	230/460	**KVA Code:**	J
Hertz:	60	**Max KVAR:**	2.3
Amps - FL:	18.2/9.1	**Power Factor:**	84
Service Factor:	1.15	**Bearing - DE:**	6308ZZC3
Alt Service Factor:	--	**Bearing - ODE:**	6208ZZC3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:
USABLE AT 200V @ 7.5 HP,20.5 AMPS @ 1.0 SF
LRA: 144.6/72.3
50HZ DATA: 5 HP,200/400V, 16.4/8.2 AMPS @ 1.15 SF
50HZ DATA:7.5 HP,200/400V,20.8/10.4 AMPS @ 1.00 SF
GREASE TYPE: SHELL ALVANIA R3 LITHIUM GREASE

Additional Information:

CONDUIT BOX VOLUME (CU IN):66.7
CONDUIT BOX MATERIAL: CAST IRON
INVERTER DUTY PER NEMA MG1 PART 31
FOR VARIABLE TORQUE LOADS
BAM 1/12

Performance Characteristics 1st Winding 1st Connection **Design: 21AD1014A**

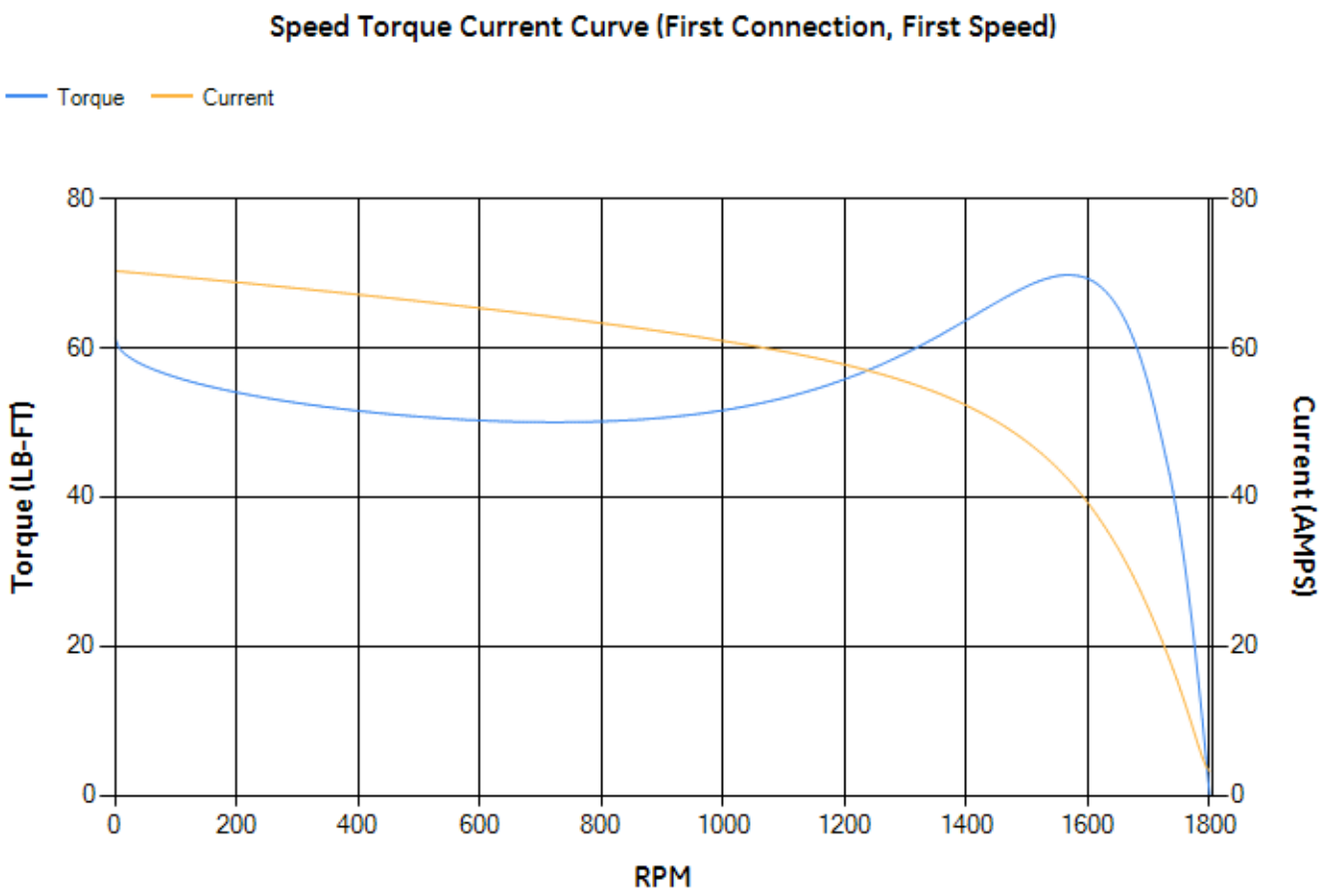
Marks:

LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	90.57	91.06	91.87	92.27	91.93	88.43	0.00
% PF	85.23	84.87	83.84	80.09	71.26	50.12	5.98
AMPS	11.37	10.45	9.11	7.12	5.36	3.96	3.24

TORQ(FL)#FT	22.32	**TORQ(LR)%FL**	274.65	**TORQ(BD)%FL**	309.86
AMPS(LR)	70.31	**PF AT START**	0.42		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 287 Lb-Ft Sq (12.08 Kg-meter Sq)at 100% voltage, where the load torque varies with the square of the speed. Acceleration time with maximum inertia and the above load type is 35 seconds. Safe stall time at 100% voltage is 91 seconds cold, 57 seconds hot. Rotor inertia is 0.94 Lb-Ft Sq (0.04 Kg-meter Sq).

Open Circuit A-C:	0.371	**Short Circuit D-C:**	0.011
Short Circuit A-C:	0.015	**X/R Ratio:**	4.127
Stator Slots:	48	**Rotor Slots:**	40



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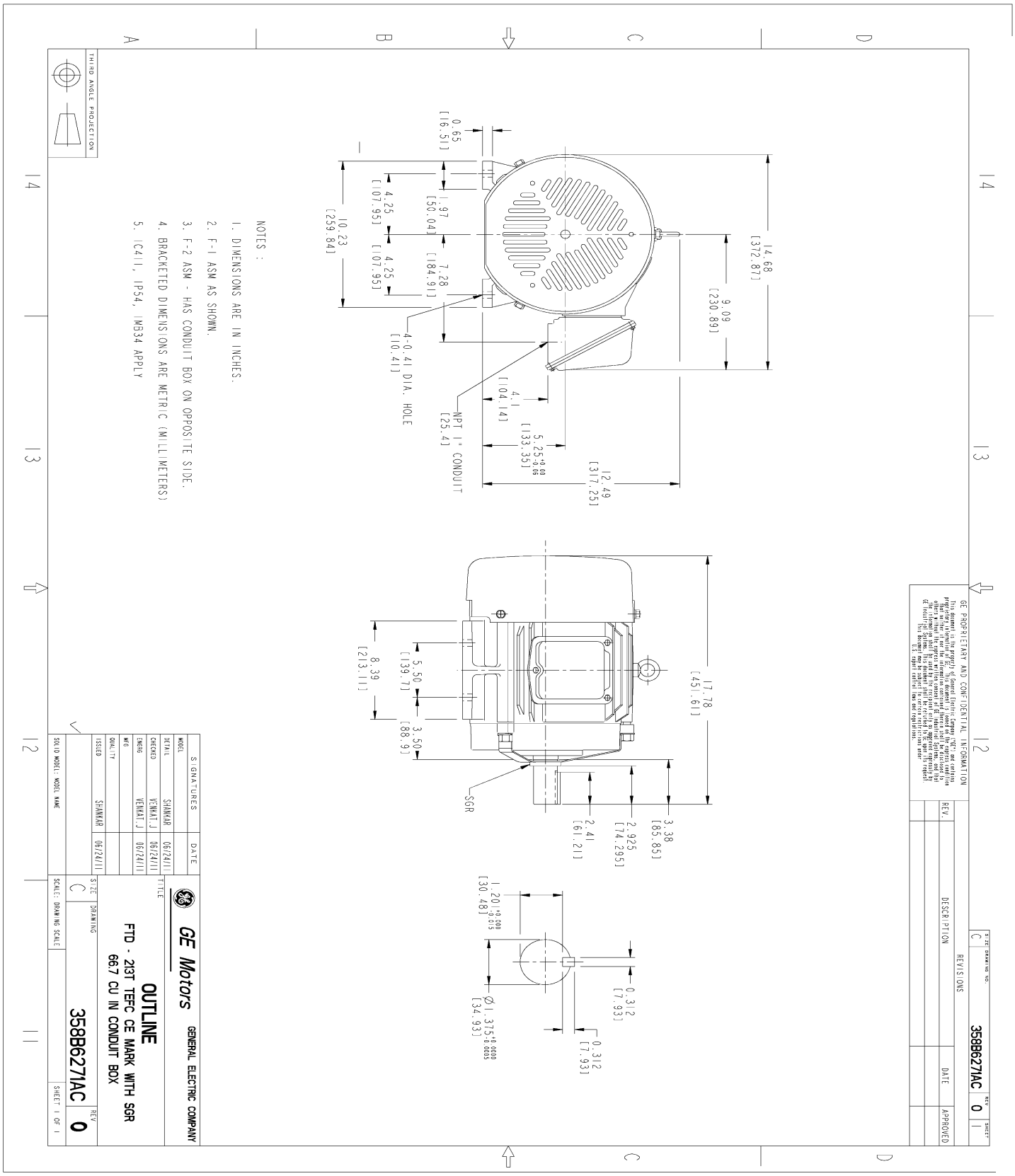
NOTES :
1. DIMENSIONS ARE IN INCHES.
2. F-1 ASM AS SHOWN.
3. F-2 ASM - HAS CONDUIT BOX ON OPPOSITE SIDE.
4. BRACKETED DIMENSIONS ARE METRIC (MILLIMETERS)
5. C41, IP54, IM34 APPLY
14.68 [372.87]
9.09 [230.89]
12.49 [317.25]
10.23 [259.84]
4.25 [107.95]
4.25 [107.95]
1.97 [50.04]
7.28 [184.91]
0.65 [16.51]
4-0.41 DIA. HOLE [10.41]
NPT 1" CONDUIT [25.4]
4.1 [104.14]
5.25 +0.00 -0.06 [133.35]
17.78 [451.61]
8.39 [213.11]
5.50 [139.7]
3.50 [88.9]
SGR
3.38 [85.85]
2.925 [74.295]
2.41 [61.21]
1.20 +0.000 -0.015 [30.48]
0.312 [7.93]
Ø1.375 +0.0000 -0.0005 [34.93]
0.312 [7.93]
THIRD ANGLE PROJECTION
SIGNATURES
MODEL
DETAIL SHANKAR 06/24/11
CHECKED VENKAT J 06/24/11
ENGRG VENKAT J 06/24/11
MFG
QUALITY
ISSUED SHANKAR 06/24/11
SOLID MODEL: MODEL NAME
GE Motors GENERAL ELECTRIC COMPANY
TITLE
OUTLINE
FTD - 213T TEFC CE MARK WITH SGR
66.7 CU IN CONDUIT BOX
SIZE C
DRAWING 358B6271AC
REV 0
SCALE: DRAWING SCALE
SHEET 1 OF 1
SIZE C DRAWING NO. 358B6271AC REV 0 SHEET 1
REVISIONS
REV. DESCRIPTION DATE APPROVED
GE PROPRIETARY AND CONFIDENTIAL INFORMATION

Marks:

NAME:501452353 OBJECT:GEM2034E-FIG210 DATE:25-Feb-08 14:03:35

Connection Diagram

GEM2034E-FIG210