

# Product Information Packet

November 9, 2016

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

<b>Model Number:</b>	<b>5KS182STE205F2RG3</b>
<b>Catalog Number:</b>	<b>M7557</b>
<b>Instruction Manual:</b>	GEI-M1031
<b>Connection Diagram:</b>	GEM2034E-FIG203
<b>Outline Drawing:</b>	358B6270AC

Accessory Connection Diagrams			
<b>Bearing Thermocouple:</b>	None	<b>Heater:</b>	None
<b>RTD:</b>	None	<b>Thermistor:</b>	None
<b>Thermostat:</b>	None	<b>Winding Thermocouple:</b>	None
<b>Bearing RTD:</b>	None		

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**Marks:**

<b>MODEL NUMBER:</b>	<b>5KS182STE205F2RG3</b>	<b>Estimated Weight:</b>	113 Lbs
<b>Outline Drawing:</b>	358B6270AC	<b>Time Rating:</b>	CONT
<b>Connection Diagram:</b>	GEM2034E-FIG203	<b>Enclosure:</b>	TEFC
<b>Instruction Book:</b>	GEI-M1031	<b>Encl Construction:</b>	SD
<b>Design Code:</b>	18AD1020A	<b>Ambient Max(°C):</b>	40
<b>Type:</b>	KS	<b>Alt Ambient Max(°C):</b>	--
<b>Frame:</b>	182T	<b>Insulation Class:</b>	F
<b>Phases:</b>	3	<b>NEMA Design:</b>	A
<b>Poles:</b>	4	<b>Nominal Efficiency:</b>	89.5 %
<b>Output Power:</b>	3HP 2.2KW	<b>Guaranteed Efficiency:</b>	87.5
<b>RPM:</b>	1760	<b>3/4 Load Efficiency:</b>	91.1
<b>Voltage:</b>	230/460	<b>KVA Code:</b>	L
<b>Hertz:</b>	60	<b>Max KVAR:</b>	1.2
<b>Amps - FL:</b>	7.6/3.8	<b>Power Factor:</b>	82
<b>Service Factor:</b>	1.15	<b>Bearing - DE:</b>	6207ZZC3
<b>Alt Service Factor:</b>	--	<b>Bearing - ODE:</b>	6206ZZC3

**Enclosure is Totally Enclosed Fan-Cooled**

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**Stamped Nameplate Notes:**

USABLE AT 200V @ 3 HP, 8.5 AMPS @ 1.0 SF

LRA: 68.2/34.1

50HZ DATA: 2 HP, 200/400V, 6.8/3.4 AMPS @ 1.15 SF

50HZ DATA: 3 HP, 200/400V, 8.6/4.3 AMPS @ 1.00 SF

GREASE TYPE: SHELL ALVANIA R3 LITHIUM GREASE

**Additional Information:**

CONDUIT BOX VOLUME (CU IN): 47.1

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: 18AD1020A**

**Marks:**

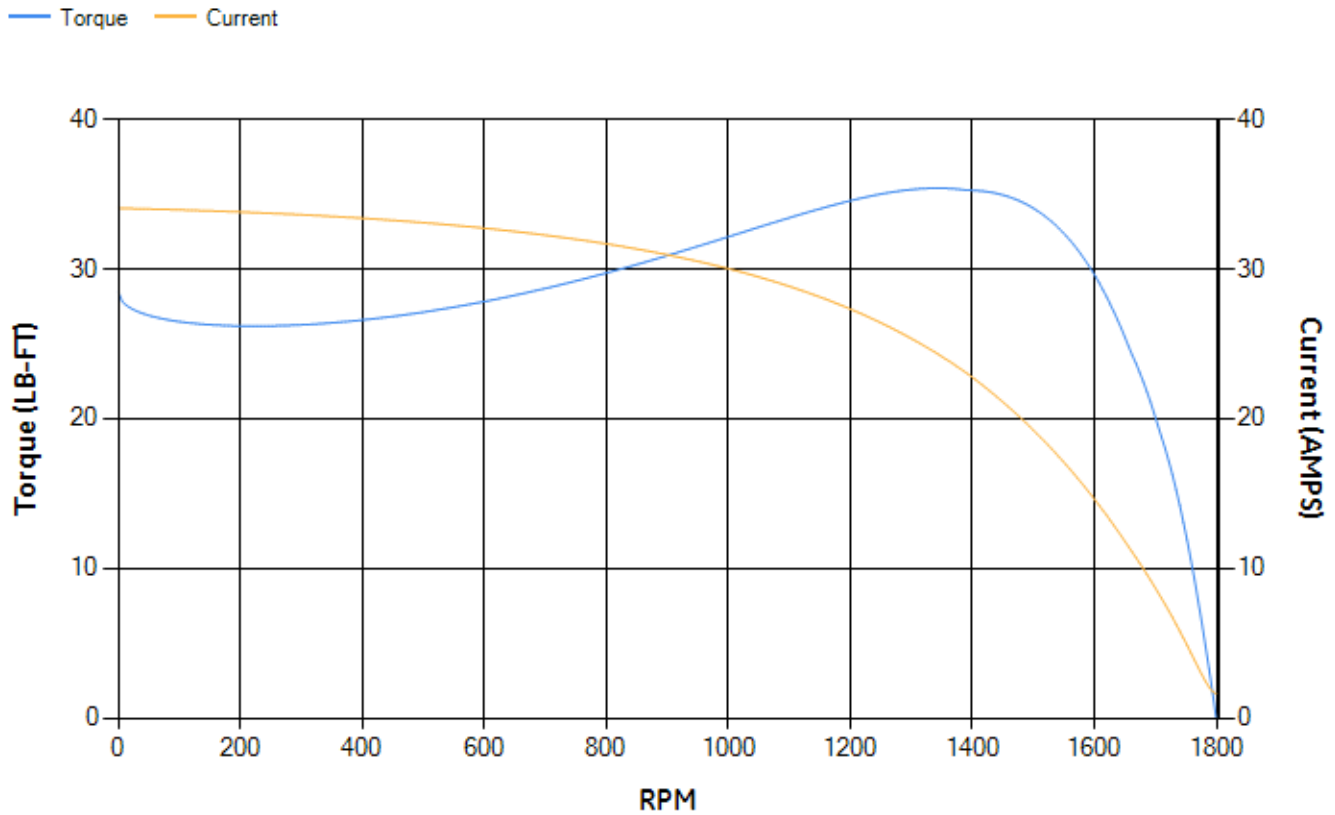
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	89.81	90.24	90.95	91.13	90.37	85.74	0.00
% PF	84.55	83.79	82.07	76.86	66.12	44.2	6.31
AMPS	4.62	4.27	3.76	3.01	2.35	1.85	1.61

<b>TORQ(FL)#FT</b>	8.95	<b>TORQ(LR)%FL</b>	317.82	<b>TORQ(BD)%FL</b>	388.05
<b>AMPS(LR)</b>	34.06	<b>PF AT START</b>	0.48		

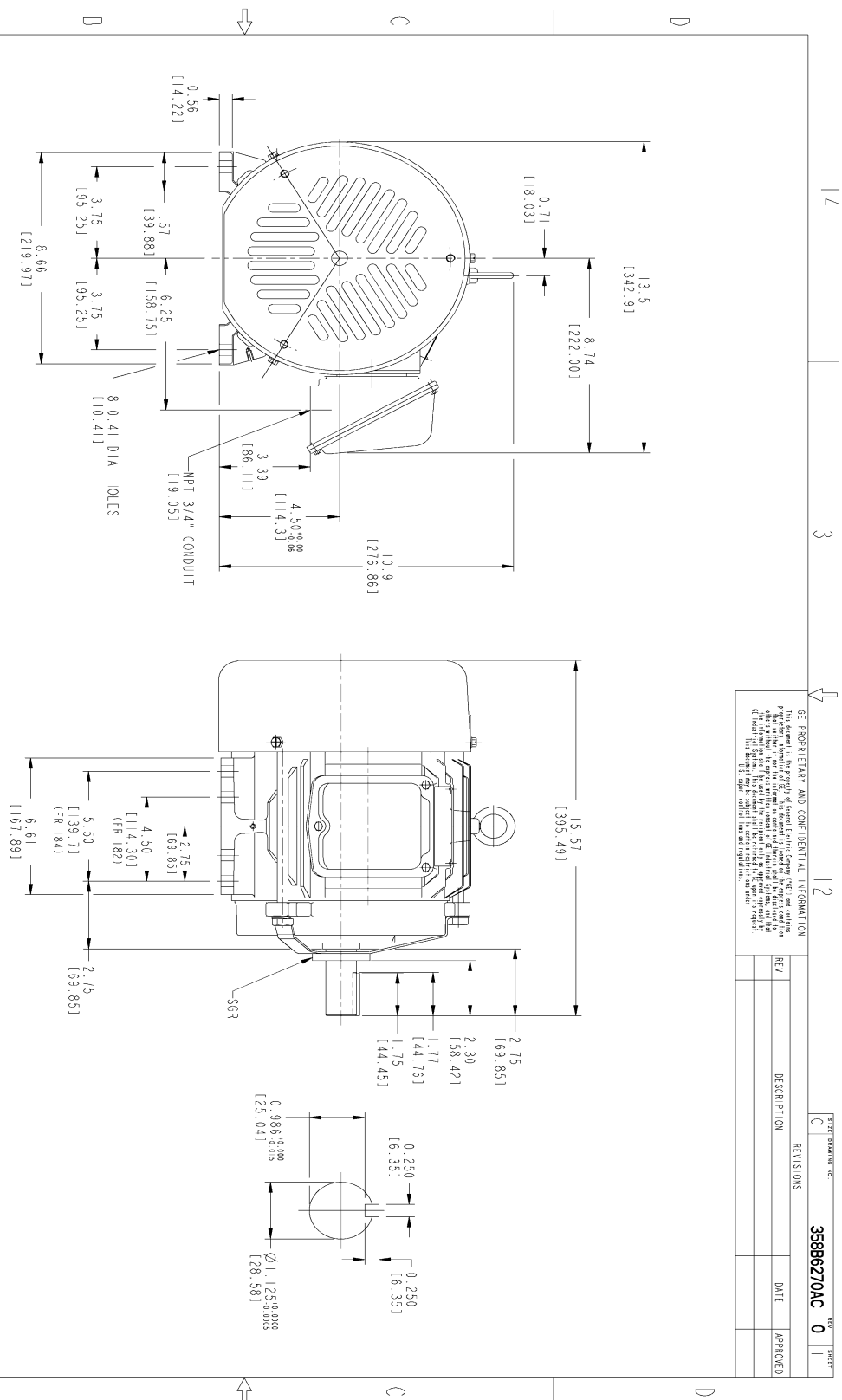
This motor is capable of two cold or one hot start with a maximum connected load inertia of 118 Lb-Ft Sq (4.97 Kg-meter Sq)at 100% voltage, where the load torque varies with the square of the speed. Acceleration time with maximum inertia and the above load type is 26 seconds. Safe stall time at 100% voltage is 62 seconds cold, 49 seconds hot. Rotor inertia is 0.39 Lb-Ft Sq (0.02 Kg-meter Sq).

<b>Open Circuit A-C:</b>	0.266	<b>Short Circuit D-C:</b>	0.008
<b>Short Circuit A-C:</b>	0.01	<b>X/R Ratio:</b>	2.929
<b>Stator Slots:</b>	36	<b>Rotor Slots:</b>	28

**Speed Torque Current Curve (First Connection, First Speed)**



Marks:



- NOTES :
1. DIMENSIONS ARE IN INCHES.
  2. F-1 ASW AS SHOWN.
  3. F-2 ASW - HAS CONDUIT BOX ON OPPOSITE SIDE.
  4. BRACKETED DIMENSIONS ARE METRIC (MILLIMETERS)
  5. ICA11, 1P54, 1M34 APPLY

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REV.	DESCRIPTION	DATE	APPROVED
0			

THIRD ANGLE PROJECTION

SIGNATURES	DATE
MODEL: SHANKAR	06/24/11
SCALE: VENMA J	06/24/11
DESIGN: VENMA J	06/24/11
QUALITY: SHANKAR	06/24/11
ISSUED: SHANKAR	06/24/11

GE Motors GENERAL ELECTRIC COMPANY

OUTLINE

FTD - 182T/184T TERC CE MARK WITH SGR

471 CU IN CONDUIT BOX

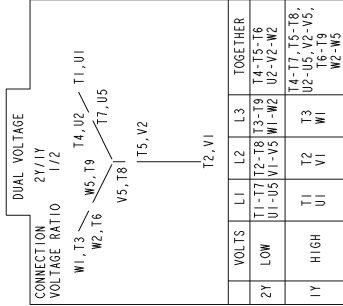
358B6270AC

SCALE: DRAWING SCALE

SHEET 1 OF 1

Marks:

**Connection Diagram**  
**GEM2034E-FIG203**



NAME: 500903578 OBJECT: GEM2034E-FIG203 DATE: 03-Nov-06 13:53:10