

Product Information Packet

November 9, 2016

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

Model Number:	5KS182STE205A
Catalog Number:	M7726
Instruction Manual:	GEI-M1031
Connection Diagram:	GEM2034E-FIG203
Outline Drawing:	358B6270AA

Accessory Connection Diagrams

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

Table of Contents

Specification	01
Performance Characteristics	02
Outline Drawing	03
Connection Drawing(s)	04



Marks:

MODEL NUMBER:	5KS182STE205A	Estimated Weight:	118 Lbs
Outline Drawing:	358B6270AA	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG203	Enclosure:	TEFC
Instruction Book:	GEI-M1031	Encl Construction:	SD
Design Code:	18AD1020A	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	--
Frame:	182T	Insulation Class:	F
Phases:	3	NEMA Design:	A
Poles:	4	Nominal Efficiency:	89.5 %
Output Power:	3HP 2.2KW	Guaranteed Efficiency:	87.5
RPM:	1760	3/4 Load Efficiency:	91.1
Voltage:	230/460	KVA Code:	L
Hertz:	60	Max KVAR:	1.2
Amps - FL:	7.6/3.8	Power Factor:	82
Service Factor:	1.15	Bearing - DE:	6207ZZC3
Alt Service Factor:	--	Bearing - ODE:	6206ZZC3

Enclosure is Totally Enclosed Fan-Cooled

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 MATERIAL: CAST IRON

SUITABLE FOR USE IN CLASS I DIVISION 2 LOCATIONS

CLASS I DIVISION 2 GROUPS A,B,C,D T3C

CLASS I ZONE 2 IIC T3C

Performance Characteristics

1st Winding 1st Connection

Design: 18AD1020A

Marks:

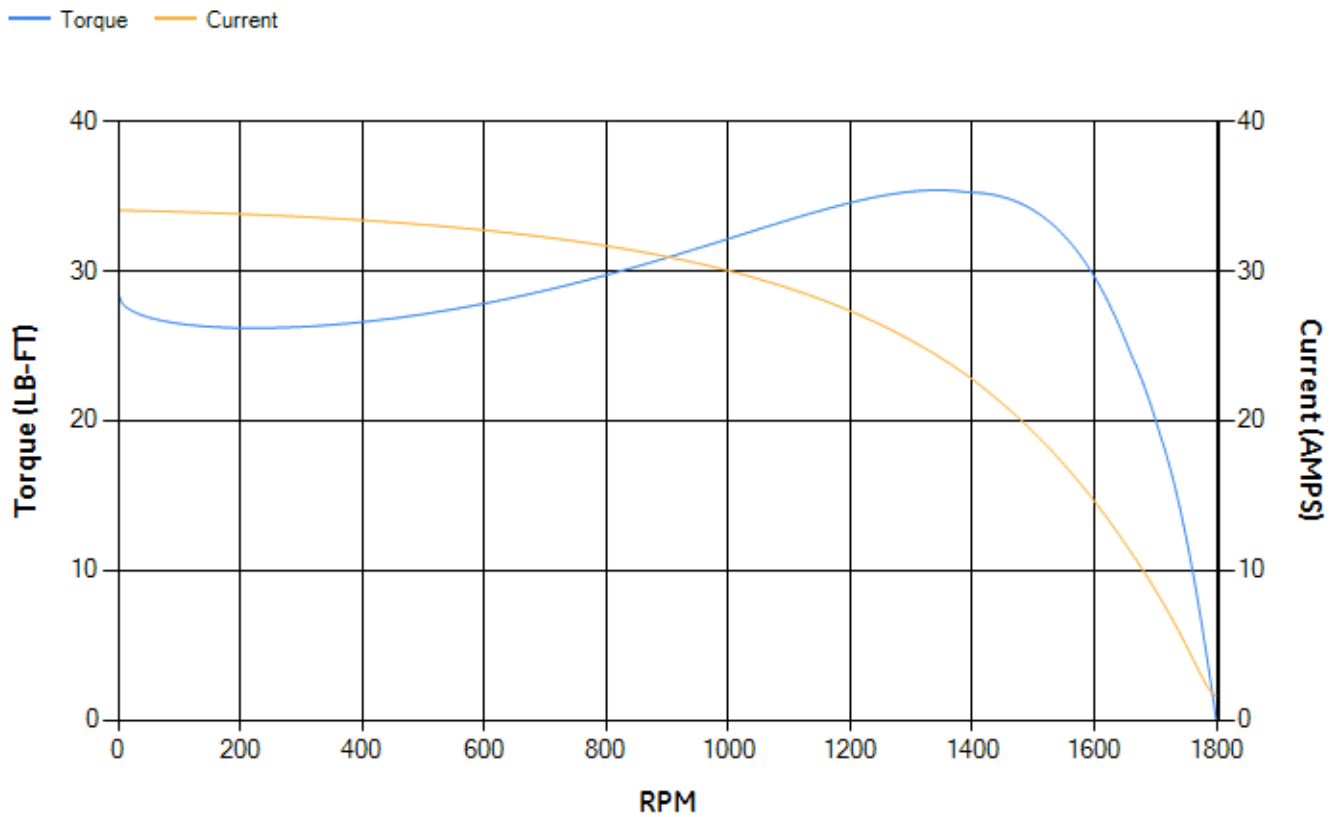
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	89.81	90.24	90.95	91.13	90.37	85.74	0.00
% PF	84.55	83.79	82.07	76.86	66.12	44.2	6.31
AMPS	4.62	4.27	3.76	3.01	2.35	1.85	1.61

TORQ(FL)#FT	8.95	TORQ(LR)%FL	317.82	TORQ(BD)%FL	388.05
AMPS(LR)	34.06	PF AT START	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).

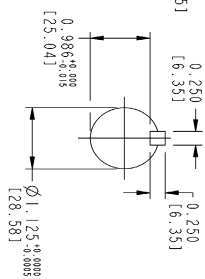
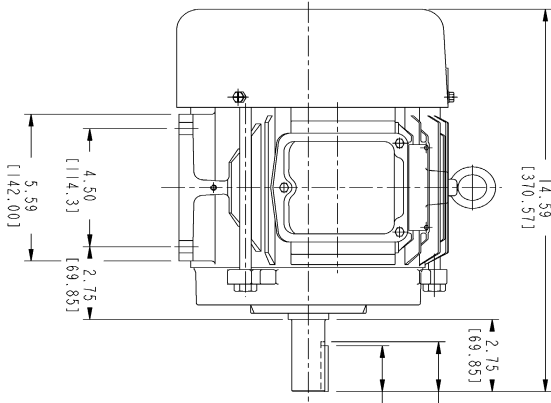
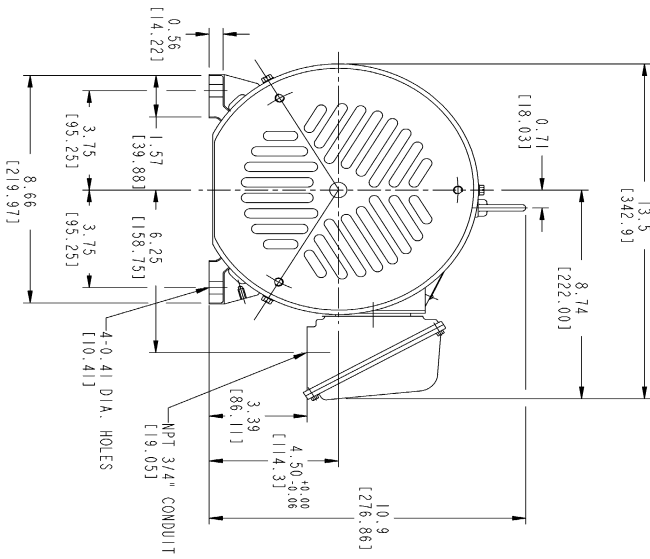
Open Circuit A-C:	0.266	Short Circuit D-C:	0.008
Short Circuit A-C:	0.01	X/R Ratio:	2.929
Stator Slots:	36	Rotor Slots:	28

Speed Torque Current Curve (First Connection, First Speed)



NAME:501291659 OBJECT:358B6270AA DATE:05-Dec-07 10:03:11

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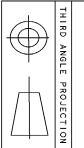


- NOTES :
1. DIMENSIONS ARE IN INCHES
 2. F-1 ASM AS SHOWN
 3. F-2 ASM - HAS CONDUIT BOX ON OPPOSITE SIDE
 4. BRACKETED DIMENSIONS ARE METRIC (MILLIMETERS)
 5. IC411, IP94, IMB34 APPLY

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REV	DESCRIPTION	DATE	APPROVED



THIRD ANGLE PROJECTION

Part must conform to SI 900000 Sect. 4, Toxicity Procedure

FOR ADDITIONAL INFO REFER TO:	SIGNATURES	DATE
REFLECTED DIMENSIONS		
DRAWING SPECIFICATIONS		
TOLERANCES UNLESS SPECIFIED		
DIMENSIONS ARE IN INCHES		
2 PL DECIMALS ±		
3 PL DECIMALS ±		
ANGLES ±		
FRACTIONS ±		
FINISH		

MODEL	DATE	SIGNATURES

DATE	DESCRIPTION
11/05/07	
11/05/07	
11/05/07	

GE Consumer & Industrial

GENERAL ELECTRIC COMPANY

OUTLINE

FTD - 182T TERC CE MARK

471 CU IN CONDUIT BOX

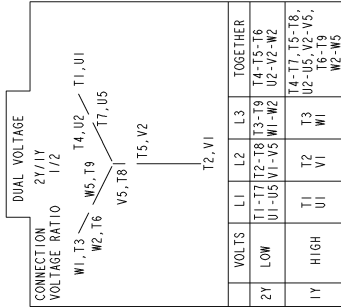
358B6270AA

SCALE: C

SHEET 1 OF 1

Marks:

Connection Diagram
GEM2034E-FIG203



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