GE
Power Conversion

Product Information Packet

November 9, 2016

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

Model Number:	**5KS184STE122A**
Catalog Number:	**M7716**
Instruction Manual:	GEI-M1031
Connection Diagram:	GEM2034E-FIG203
Outline Drawing:	358B6276AB

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:	**5KS184STE122A**	**Estimated Weight:**	118 Lbs
Outline Drawing:	358B6276AB	**Time Rating:**	CONT
Connection Diagram:	GEM2034E-FIG203	**Enclosure:**	TEFC
Instruction Book:	GEI-M1031	**Encl Construction:**	SD
Design Code:	18AD0012A	**Ambient Max(°C):**	40
Type:	KS	**Alt Ambient Max(°C):**	--
Frame:	184TC	**Insulation Class:**	F
Phases:	3	**NEMA Design:**	A
Poles:	2	**Nominal Efficiency:**	88.5 %
Output Power:	5HP 3.7KW	**Guaranteed Efficiency:**	86.5
RPM:	3520	**3/4 Load Efficiency:**	91.9
Voltage:	230/460	**KVA Code:**	K
Hertz:	60	**Max KVAR:**	1.1
Amps - FL:	11.4/5.7	**Power Factor:**	92
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 @ 5 HP, 13 AMPS @ 1.0 SF
LRA: 103.2/51.6
50HZ DATA: 3 HP,200/400V, 9.0/4.5 AMPS @ 1.15 SF
50HZ DATA: 5 HP, 200/400V,13.2/6.6 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: 18AD0012A**

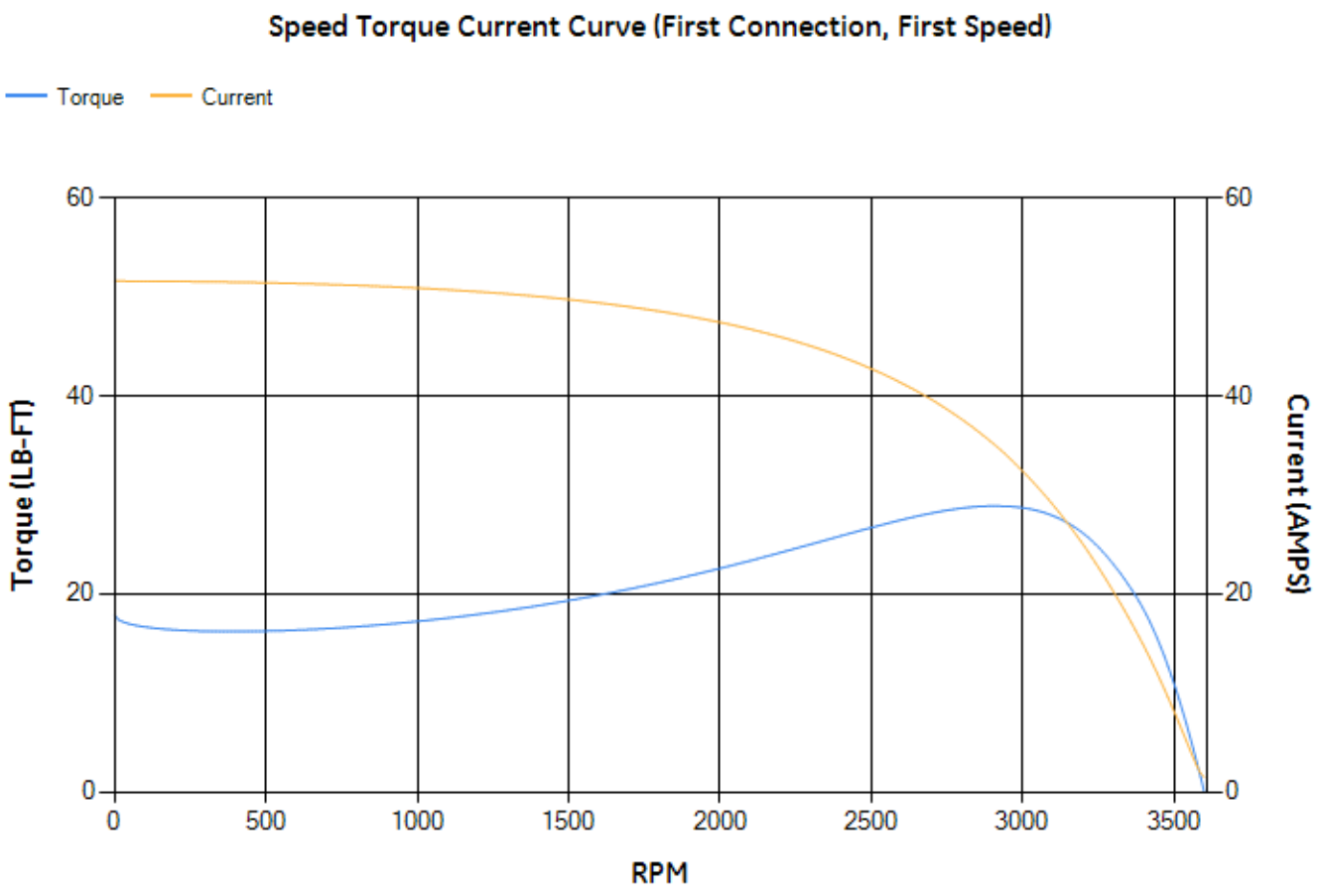
Marks:

LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	89.8	90.34	91.25	91.86	91.8	88.7	0.00
% PF	93.09	92.82	92.12	89.7	83.51	64.85	8.37
AMPS	7	6.42	5.57	4.26	3.05	2.03	1.48

TORQ(FL)#FT	7.46	**TORQ(LR)%FL**	239.76	**TORQ(BD)%FL**	381.75
AMPS(LR)	51.59	**PF AT START**	0.48		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 31 Lb-Ft Sq (1.31 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 20 seconds. Safe stall time at 100% voltage is 47 seconds cold, 33 seconds hot. Rotor inertia is 0.19 Lb-Ft Sq (0.01 Kg-meter Sq).

Open Circuit A-C:	0.457	**Short Circuit D-C:**	0.007
Short Circuit A-C:	0.011	**X/R Ratio:**	2.461
Stator Slots:	36	**Rotor Slots:**	28

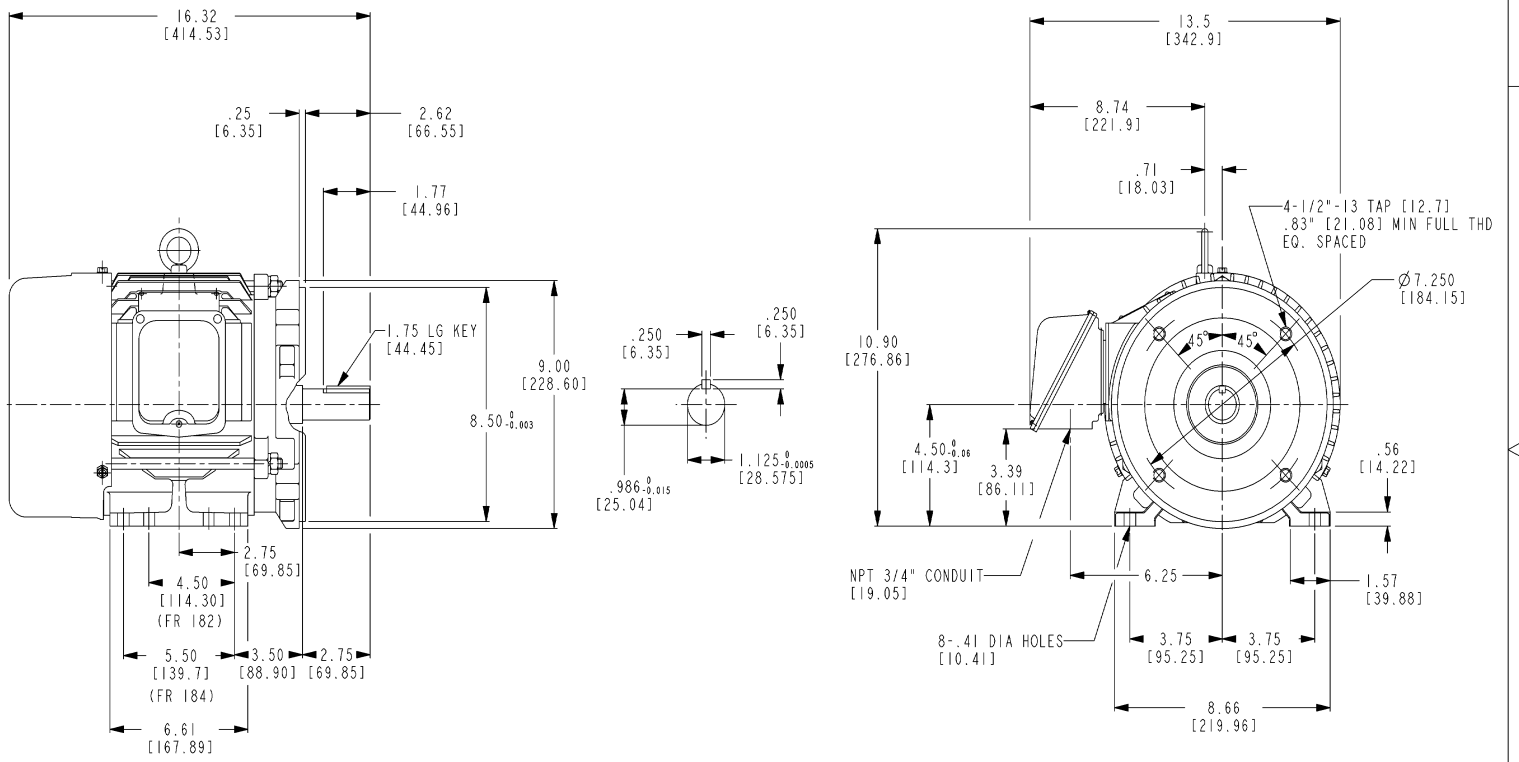


Marks:

Model Number: 5KS184STE122A

November 9, 2016

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
1	ADDED 4 FOOT HOLES SOUMITRA	01/21/09	R.RAZO
2	ISAAC 11-0114	02/24/11	RAZO



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, IP54, IMB34 APPLY.

THIRD ANGLE PROJECTION

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

FOR ADDITIONAL INFO REFER TO:	SIGNATURES		DATE
APPLIED PRACTICES	MODEL		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	DETAIL	SOUMITRA	12/18/07
TOLERANCE ON:	CHECKED	SANJAY	12/18/07
1 PL DECIMALS ±	ENGRG	R.KOHNE	12/18/07
2 PL DECIMALS ±	MFG		
3 PL DECIMALS ±	QUALITY		
ANGLES ±	ISSUED	SOUMITRA	12/18/07
FRACTIONS ±			
FINISH ✓			
MATERIAL	SOLID MODEL: MODEL NAME		

GE Consumer & Industrial — GENERAL ELECTRIC COMPANY

TITLE

OUTLINE

FTD - 182TC/184TC TEFC CE MARK

47.1 CU IN CONDUIT BOX

SIZE	DRAWING	REV
C	358B6276AB	2

SCALE: — SHEET 1 OF 1

Connection Diagram

GEM2034E-FIG203