

Product Information Packet

November 8, 2016

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

Model Number:	5KS213STE104A
Catalog Number:	M7505
Instruction Manual:	GEI-M1031
Connection Diagram:	GEM2034E-FIG1
Outline Drawing:	358B6271AA

Accessory Connection Diagrams			
Bearing Thermocouple:	None	Heater:	None
RTD:	None	Thermistor:	None
Thermostat:	None	Winding Thermocouple:	None
Bearing RTD:	None		

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Marks:

MODEL NUMBER:	5KS213STE104A	Estimated Weight:	149 Lbs
Outline Drawing:	358B6271AA	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG1	Enclosure:	TEFC
Instruction Book:	GEI-M1031	Encl Construction:	SD
Design Code:	21AD0013B	Ambient Max(°C):	40
Type:	KS	Alt Ambient Max(°C):	--
Frame:	213T	Insulation Class:	F
Phases:	3	NEMA Design:	A
Poles:	2	Nominal Efficiency:	89.5 %
Output Power:	7.5HP 5.6KW	Guaranteed Efficiency:	87.5
RPM:	3515	3/4 Load Efficiency:	92.0
Voltage:	575	KVA Code:	J
Hertz:	60	Max KVAR:	2.0
Amps - FL:	7.2	Power Factor:	87.0
Service Factor:	1.15	Bearing - DE:	6308ZZC3
Alt Service Factor:	--	Bearing - ODE:	6208ZZC3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:**Additional Information:**

2 POLE, TEFC, LRA: 56.6 AMPS.
 SOUND POWER : 91 DBA
 GREASE: SHELL ALVANIA R3 LITHIUM GREASE
 NO. OF MOTOR LEADS: 3
 CONDUIT BOX VOLUME (CU IN): 66.7
 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: 21AD0013B

Marks:

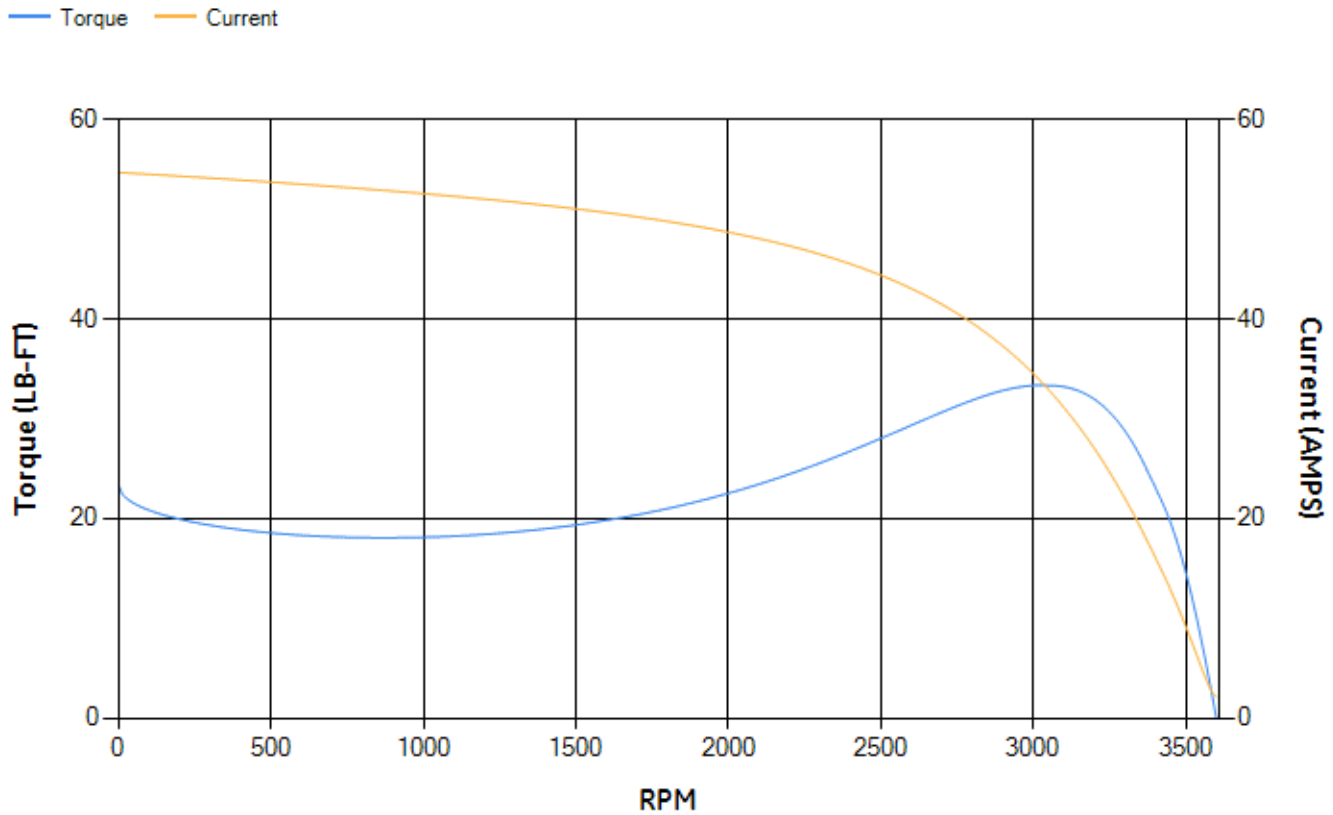
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	89.92	90.5	91.43	92.02	91.87	88.61	0.00
% PF	88.19	88.11	87.57	84.99	77.92	57.97	7.21
AMPS	8.85	8.1	7.01	5.39	3.92	2.73	2.12

TORQ(FL)#FT	11.22	TORQ(LR)%FL	208.34	TORQ(BD)%FL	291.62
AMPS(LR)	54.68	PF AT START	0.34		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 40 Lb-Ft Sq (1.68 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 24 seconds. Safe stall time at 100% voltage is 41 seconds cold, 32 seconds hot. Rotor inertia is 0.4 Lb-Ft Sq (0.02 Kg-meter Sq).

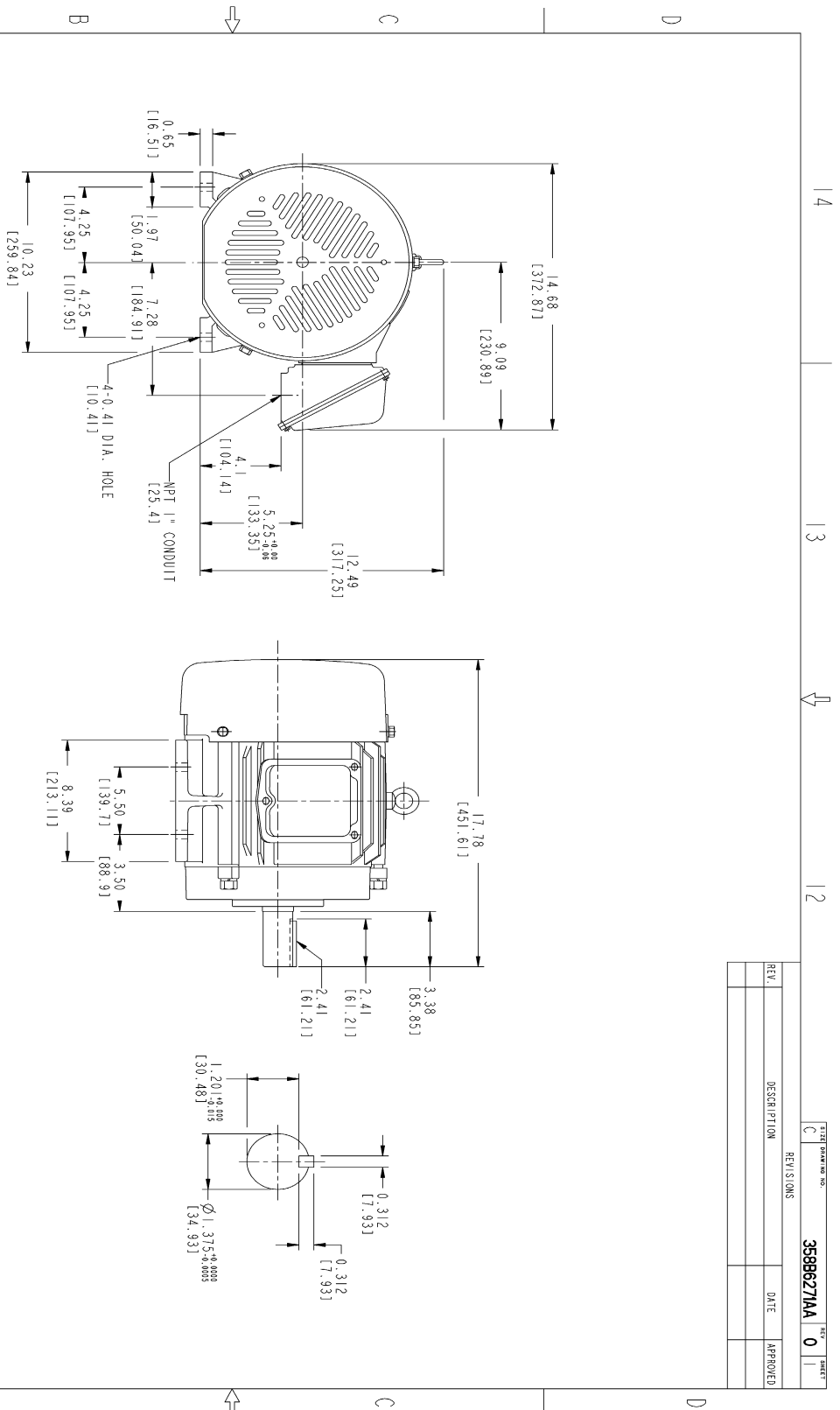
Open Circuit A-C:	0.35	Short Circuit D-C:	0.014
Short Circuit A-C:	0.013	X/R Ratio:	5.372
Stator Slots:	24	Rotor Slots:	18

Speed Torque Current Curve (First Connection, First Speed)



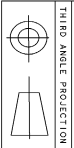
NAME:501291659 OBJECT:358B6271AA DATE:05-Dec-07 10:08:54

Marks:



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. ICA11, IP94, MB34 APPLY



Part must conform to SI 900000 Sect 4, Toxicity Procedure

FOR ADDITIONAL INFO REFER TO:	SIGNATURES	DATE
APPROVED		
DESIGNED		
CHECKED		
DRAWN		
INSTRUMENTED		
TESTED		
FINISH		

GE Consumer & Industrial		GENERAL ELECTRIC COMPANY	
OUTLINE			
FTD - 23T TERC GE MARK			
66.7 CU IN CONDUIT BOX			
TITLE 358B6271AA	DATE 11/05/07	SHEET 0	REV 0

REV.	DESCRIPTION	DATE	APPROVED

SCALE: C

Marks:

Connection Diagram
GEM2034E-FIG1

