

Product Information Packet

November 8, 2016

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

Model Number:	5KS184STE105A
Catalog Number:	M7704
Instruction Manual:	GEI-M1031
Connection Diagram:	GEM2034E-FIG203
Outline Drawing:	358B6270AB

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:	5KS184STE105A	Estimated Weight:	118 Lbs
Outline Drawing:	358B6270AB	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:	184T	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:

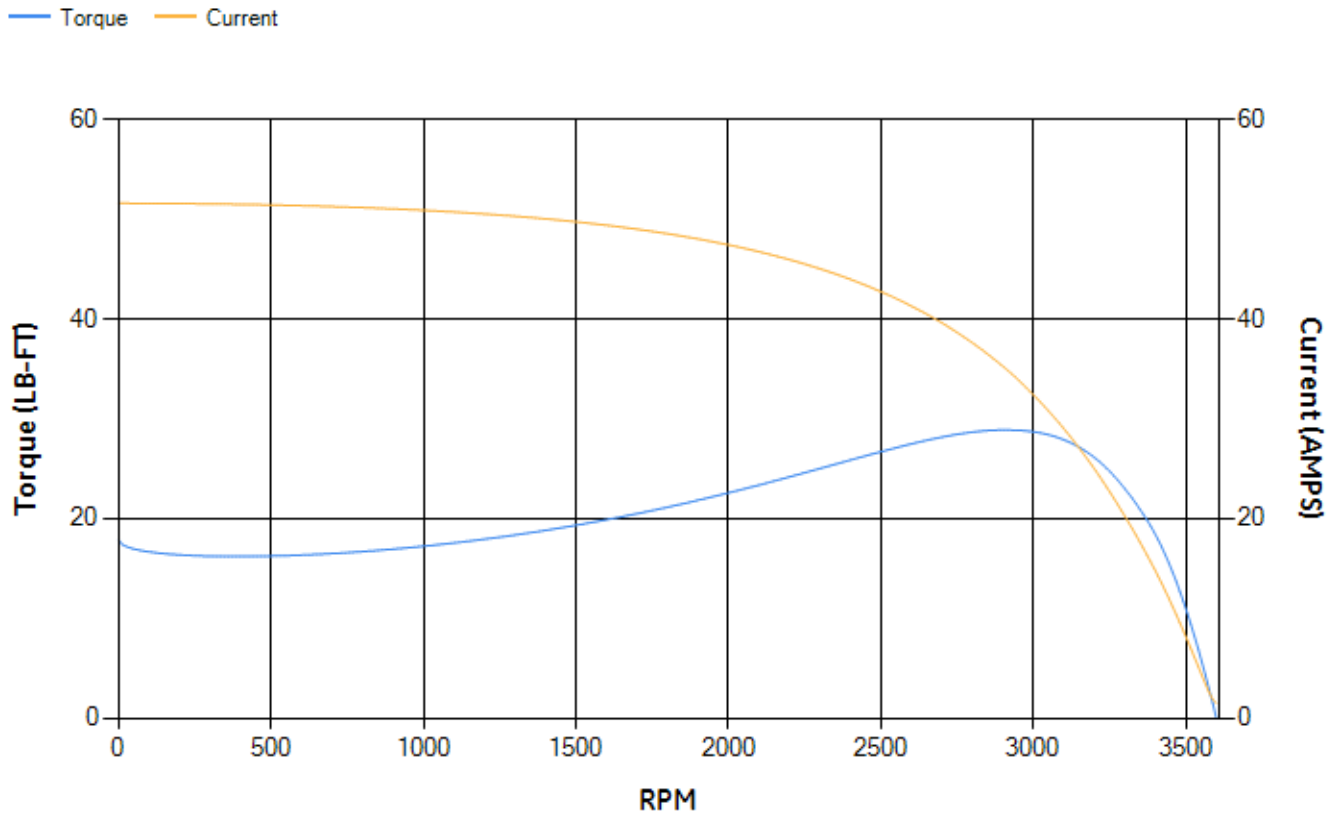
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	89.8	90.34	91.25	91.86	91.8	88.7	0.00
% PF	93.09	92.82	92.12	89.7	83.51	64.85	8.37
AMPS	7	6.42	5.57	4.26	3.05	2.03	1.48

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).

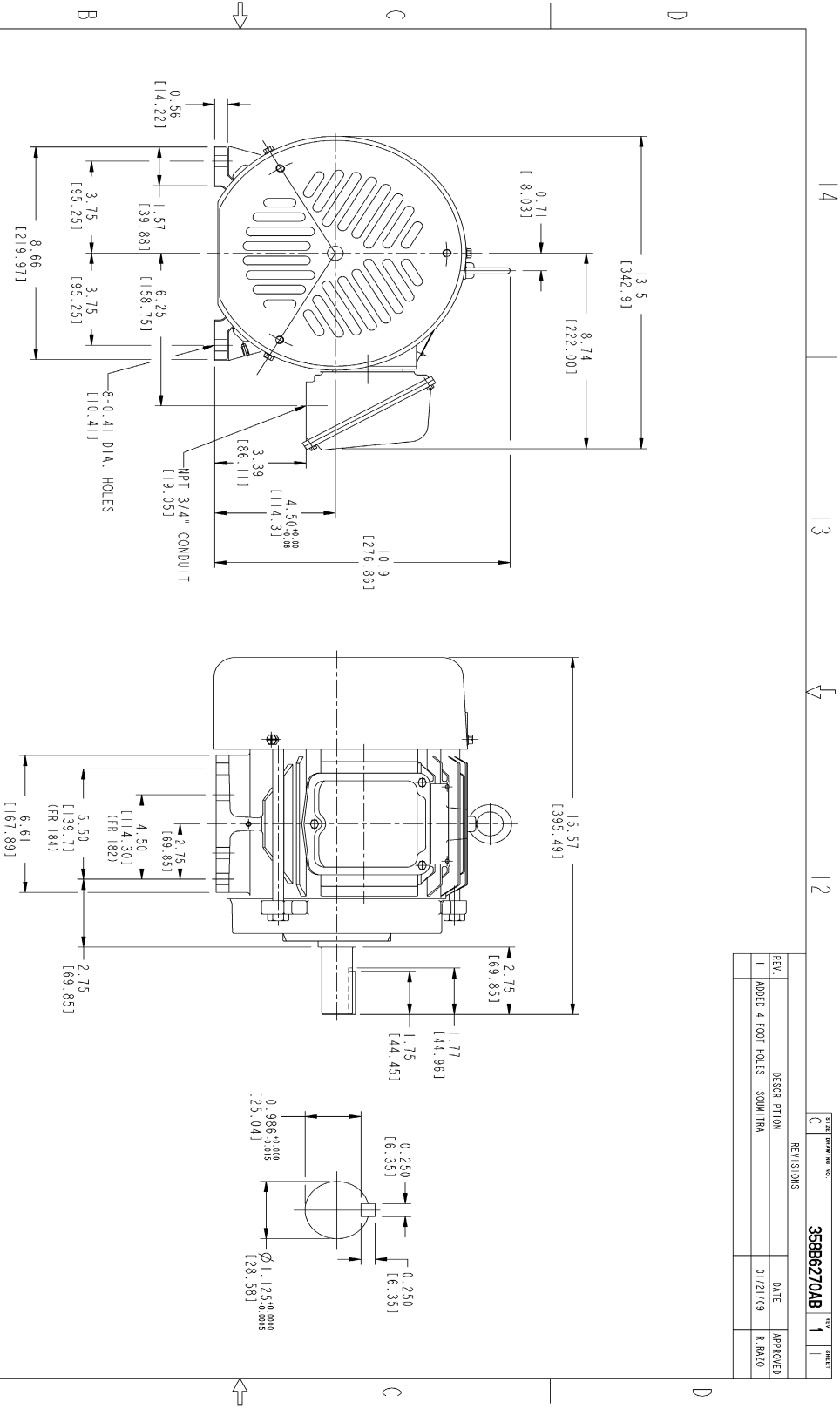
Open Circuit A-C:	0.457	Short Circuit D-C:	0.007
Short Circuit A-C:	0.011	X/R Ratio:	2.461
Stator Slots:	36	Rotor Slots:	28

Speed Torque Current Curve (First Connection, First Speed)

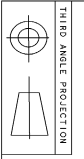


NAME:501452442 OBJECT:358B6270AB DATE:22-Jan-09 11:15:11

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, IP54, IMB34 APPLY



THIRD ANGLE PROJECTION

Part must conform to SI 900000 Sect 4, Toxicity Procedure

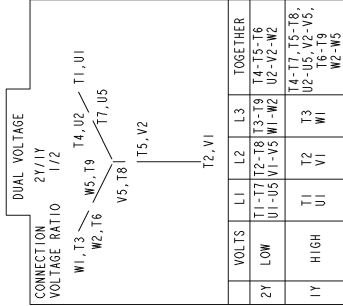
FOR ADDITIONAL INFO REFER TO:	SIGNATURES	DATE
REFLECTED DIMENSIONS SPECIFIED IN INCHES	RETAIL	11/05/07
TOLERANCE ON DIMENSIONS ON P/L DECIMALS ±	SALES	11/05/07
2 P/L DECIMALS ±	R. KOHNE	11/05/07
3 P/L DECIMALS ±		
FRACTIONS ±	SUMITRA	11/05/07
FINISH		

GE Consumer & Industrial	GENERAL ELECTRIC COMPANY
FTD - 827184T TERC CE MARK	
471 CU IN CONDUIT BOX	
358B6270AB	
1	
1	

REV.	DESCRIPTION	DATE	APPROVED
1	ADDED 4 FOOT HOLES	01/21/09	R. PALO

Marks:

Connection Diagram
GEM2034E-FIG203



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