GE
Power Conversion

Product Information Packet

November 8, 2016

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

Model Number:	**5KS444SAA118D9**
Catalog Number:	**M9511**
Instruction Manual:	GEI-56128
Connection Diagram:	GEM2034E-FIG7
Outline Drawing:	239C6600AB

Accessory Connection Diagrams

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

Table of Contents

imagination at work

Marks:

MODEL NUMBER:	**5KS444SAA118D9**	**Estimated Weight:**	2020 Lbs
Outline Drawing:	239C6600AB	**Time Rating:**	CONT
Connection Diagram:	GEM2034E-FIG7	**Enclosure:**	TEFC
Instruction Book:	GEI-56128	**Encl Construction:**	X$D
Design Code:	44BD0135A	**Ambient Max(°C):**	40
Type:	KS	**Alt Ambient Max(°C):**	65
Frame:	444TS	**Insulation Class:**	H
Phases:	3	**NEMA Design:**	B
Poles:	2	**Nominal Efficiency:**	95.0 %
Output Power:	125HP 92.5KW	**Guaranteed Efficiency:**	94.5
RPM:	3580	**3/4 Load Efficiency:**	95.0
Voltage:	460	**KVA Code:**	G
Hertz:	60	**Max KVAR:**	21.8
Amps - FL:	135.0	**Power Factor:**	91.0
Service Factor:	1.25	**Bearing - DE:**	6314ZC3
Alt Service Factor:	1.00	**Bearing - ODE:**	6314ZC3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:
SF AMPS 168.9
STAMP NP249A5564P051 AS BELOW:
MODEL:5KS444SAA118D9 S/N: XXX
CSA CERTIFIED CSA09.2216219 FOR EX NA IIC 200 C GC
CL 1 ZONE2 AEX NA IIC 200C;CL 1 DIV2 GRP ABCD 200C
IN -40C <= AMB <= 40C, 1.0 SF ON SINE-WAVE PWR
SURF TEMP 260C AT 1.25SF ON SINE-WAVE PWR
OR 200C VT OR 200C CT OR -- CHP PWM CONTROL
ALTERNATE RATING FOR PWM CONTROL 1.0SF 40C AMB
VT 0-60 HZ, CT 3-60 HZ, CHP -- HZ.

Additional Information:

2P - TS EXTN
C/BOX 700 CU IN - 3.00" NPT
OIL RESISTANT SLEEVING ON LEADS
F1 MOUNTING

Performance Characteristics 1st Winding 1st Connection **Design: 44BD0135A**

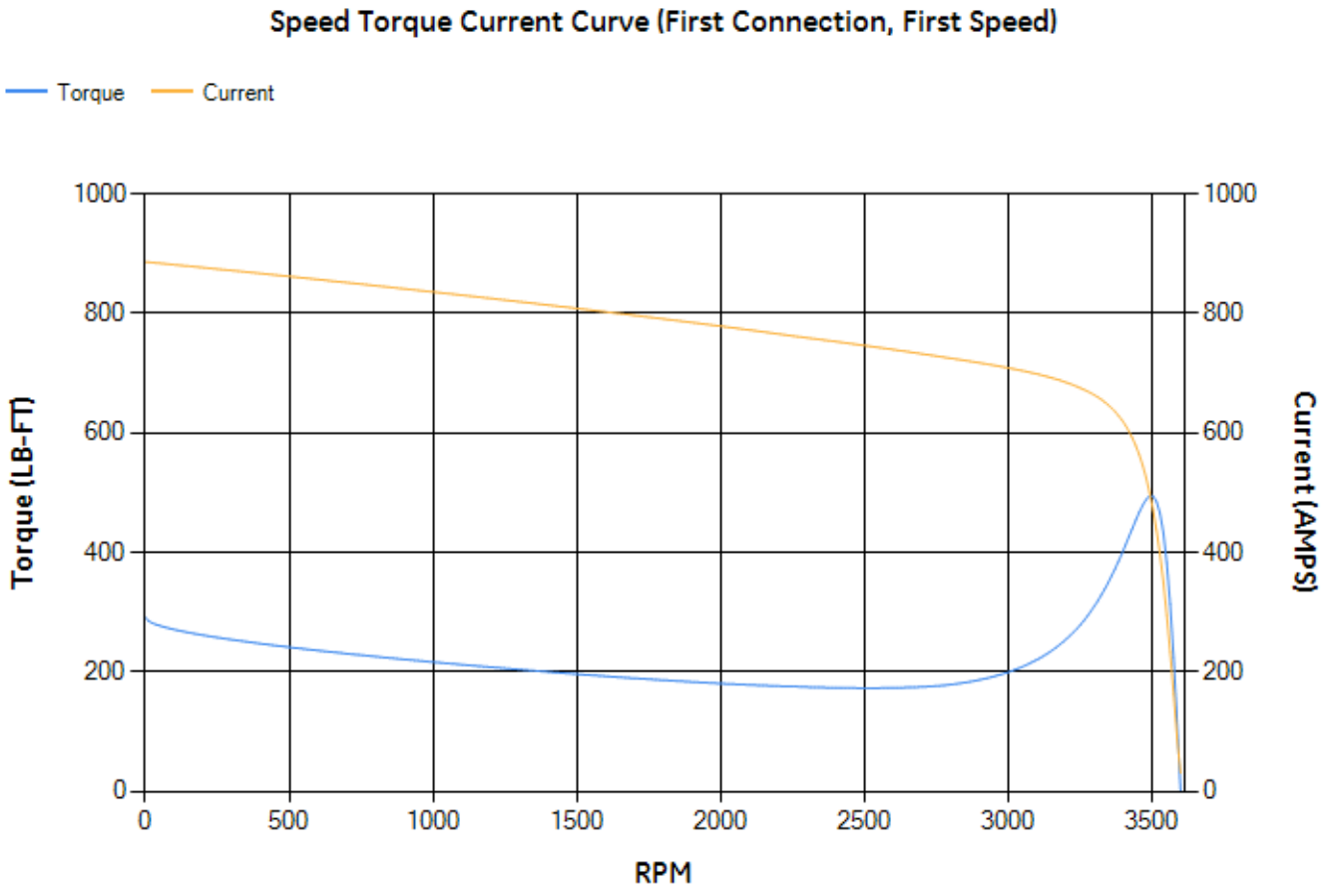
Marks:

LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	94.96	95.07	95.36	95.01	94.11	90.49	0.00
% PF	91.17	91.29	91.22	90.03	85.81	70.47	9.23
AMPS	168.92	155.02	134.51	102.58	72.43	45.86	30.38

TORQ(FL)#FT	183.33	**TORQ(LR)%FL**	158.78	**TORQ(BD)%FL**	270.01
AMPS(LR)	886.31	**PF AT START**	0.22		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 600 Lb-Ft Sq (25.26 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 46 seconds. Safe stall time at 100% voltage is 87 seconds cold, 55 seconds hot. Rotor inertia is 31.32 Lb-Ft Sq (1.32 Kg-meter Sq).

Open Circuit A-C:	2.095	**Short Circuit D-C:**	0.04
Short Circuit A-C:	0.075	**X/R Ratio:**	14.964
Stator Slots:	48	**Rotor Slots:**	38



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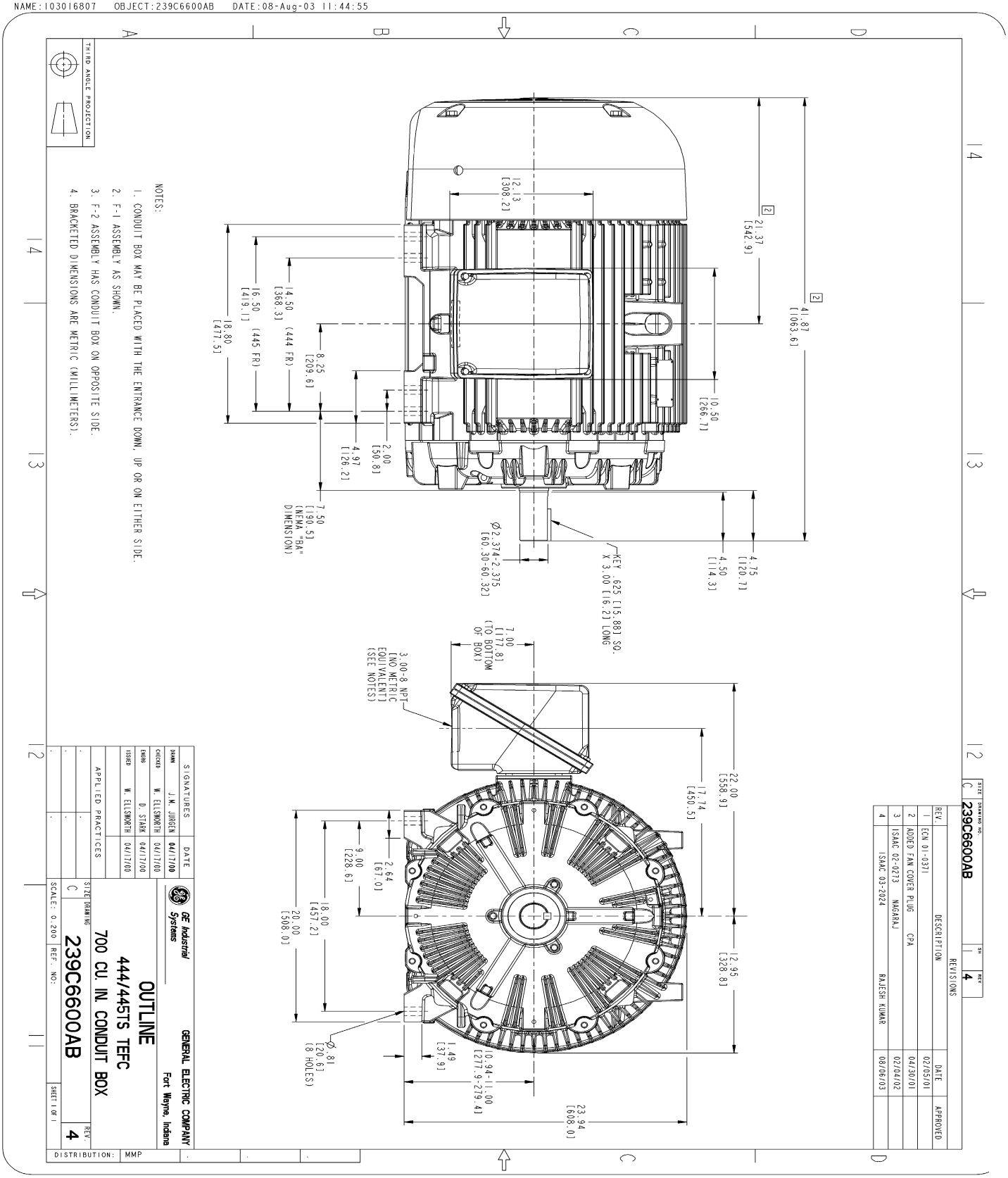
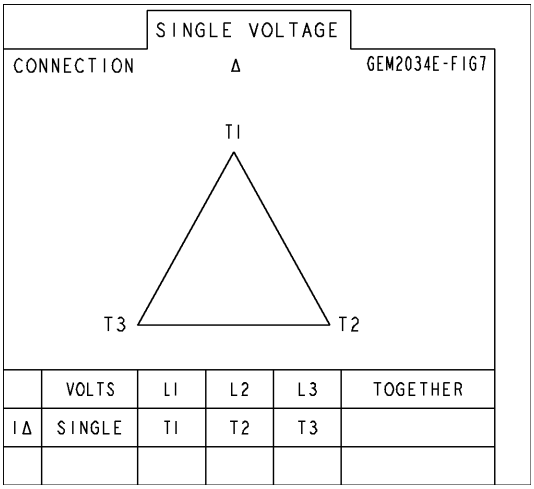

NAME:103016807 OBJECT:239C6600AB DATE:08-Aug-03 11:44:55
12.13 [308.2]
21.37 [542.9]
41.87 [1063.6]
10.50 [266.7]
14.50 (444 FR) [368.3]
16.50 (445 FR) [419.1]
18.80 [477.5]
8.25 [209.6]
4.97 [126.2]
2.00 [50.8]
7.50 [190.5] (NEMA "BA" DIMENSION)
Ø2.374-2.375 [60.30-60.32]
KEY .625 [15.88] SQ. X 3.00 [76.2] LONG
4.50 [114.3]
4.75 [120.7]
7.00 [177.8] (TO BOTTOM OF BOX)
3.00-8 NPT [NO METRIC EQUIVALENT] (SEE NOTES)
22.00 [558.9]
17.74 [450.5]
12.95 [328.8]
2.64 [67.0]
9.00 [228.6]
18.00 [457.2]
20.00 [508.0]
Ø.81 [20.6] (8 HOLES)
1.49 [37.9]
10.94-11.00 [277.9-279.4]
23.94 [608.0]
THIRD ANGLE PROJECTION
NOTES:
1. CONDUIT BOX MAY BE PLACED WITH THE ENTRANCE DOWN, UP OR ON EITHER SIDE.
2. F-1 ASSEMBLY AS SHOWN.
3. F-2 ASSEMBLY HAS CONDUIT BOX ON OPPOSITE SIDE.
4. BRACKETED DIMENSIONS ARE METRIC (MILLIMETERS).
SIZE C DRAWING NO. 239C6600AB SH 1 REV 4
REVISIONS
REV. DESCRIPTION DATE APPROVED
1 ECN 01-0371 02/05/01
2 ADDED FAN COVER PLUG CPA 04/30/01
3 ISAAC 02-2273 NAGARAJ 02/04/02
4 ISAAC 03-2024 RAJESH KUMAR 08/06/03
SIGNATURES DATE
DRAWN J. M. JURGEN 04/17/00
CHECKED W. ELLSWORTH 04/17/00
ENGRG D. STARK 04/17/00
ISSUED W. ELLSWORTH 04/17/00
APPLIED PRACTICES
GE Industrial Systems
GENERAL ELECTRIC COMPANY
Fort Wayne, Indiana
OUTLINE
444/445TS TEFC
700 CU. IN. CONDUIT BOX
SIZE C DRAWING 239C6600AB REV 4
SCALE: 0.200 REF. NO:
SHEET 1 OF 1
DISTRIBUTION: MMP

Marks:

Connection Diagram

GEM2034E-FIG7



	VOLTS	L1	L2	L3	TOGETHER
1Δ	SINGLE	T1	T2	T3	

End shield Assembly		
Part Description	DE Side Part#	ODE Side Part#
End Shield	115E4354AA1	115E4354LL1
Bearing	235A2616AA01	235A2616AA01
Slinger/Inproseal	149C4399G05	149C4399G05

Fan & Fan Cover Assembly	
Part Description	Part#
Fan	159C7100AA1
Fan Cover	128D6841AA1

Conduit & Accessories Box Assembly	
Part Description	Part#
Conduit Box	118D4408AD2

Mechanical Accessories	
Part Description	Part#
Brake	
Tachometer	