GE
Power Conversion

Product Information Packet

March 19, 2015

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

Model Number:	**5KGS326SAA308**
Catalog Number:	**M8981**
Instruction Manual:	GEI-56128
Connection Diagram:	GEM2034E-FIG7
Outline Drawing:	239C6000AE

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:	**5KGS326SAA308**	**Estimated Weight:**	700 Lbs
Outline Drawing:	239C6000AE	**Time Rating:**	CONT
Connection Diagram:	GEM2034E-FIG7	**Enclosure:**	TEFC
Instruction Book:	GEI-56128	**Encl Construction:**	X$D
Design Code:	32BD3005A	**Ambient Max(°C):**	40
Type:	KGS	**Alt Ambient Max(°C):**	65
Frame:	326T	**Insulation Class:**	F
Phases:	3	**NEMA Design:**	A
Poles:	6	**Nominal Efficiency:**	92.4 %
Output Power:	30HP 22.2KW	**Guaranteed Efficiency:**	92.9
RPM:	1175	**3/4 Load Efficiency:**	92.9
Voltage:	460	**KVA Code:**	G
Hertz:	60	**Max KVAR:**	13.0
Amps - FL:	39.7	**Power Factor:**	76.5
Service Factor:	1.15	**Bearing - DE:**	6312ZC3
Alt Service Factor:	1.00	**Bearing - ODE:**	6312ZC3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

Additional Information:

6P - T EXTN

Performance Characteristics 1st Winding 1st Connection **Design: 32BD3005A**

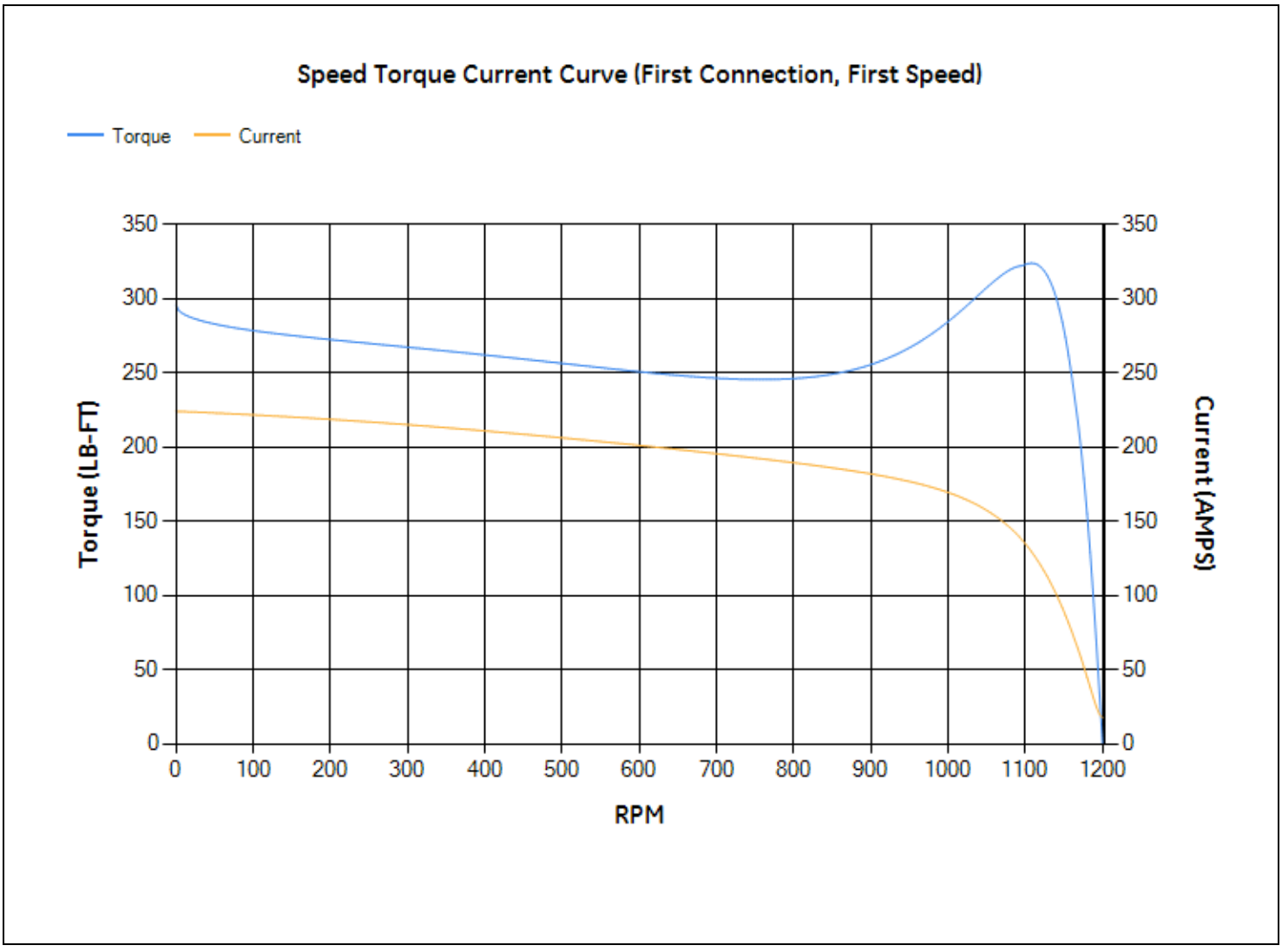
Marks:

LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	91.93	92.35	93.05	93.31	92.91	89.64	0.00
% PF	79.67	79.08	77.54	72.38	61.5	39.81	3.9
AMPS	47.92	44.21	38.89	31.18	24.57	19.67	17.38

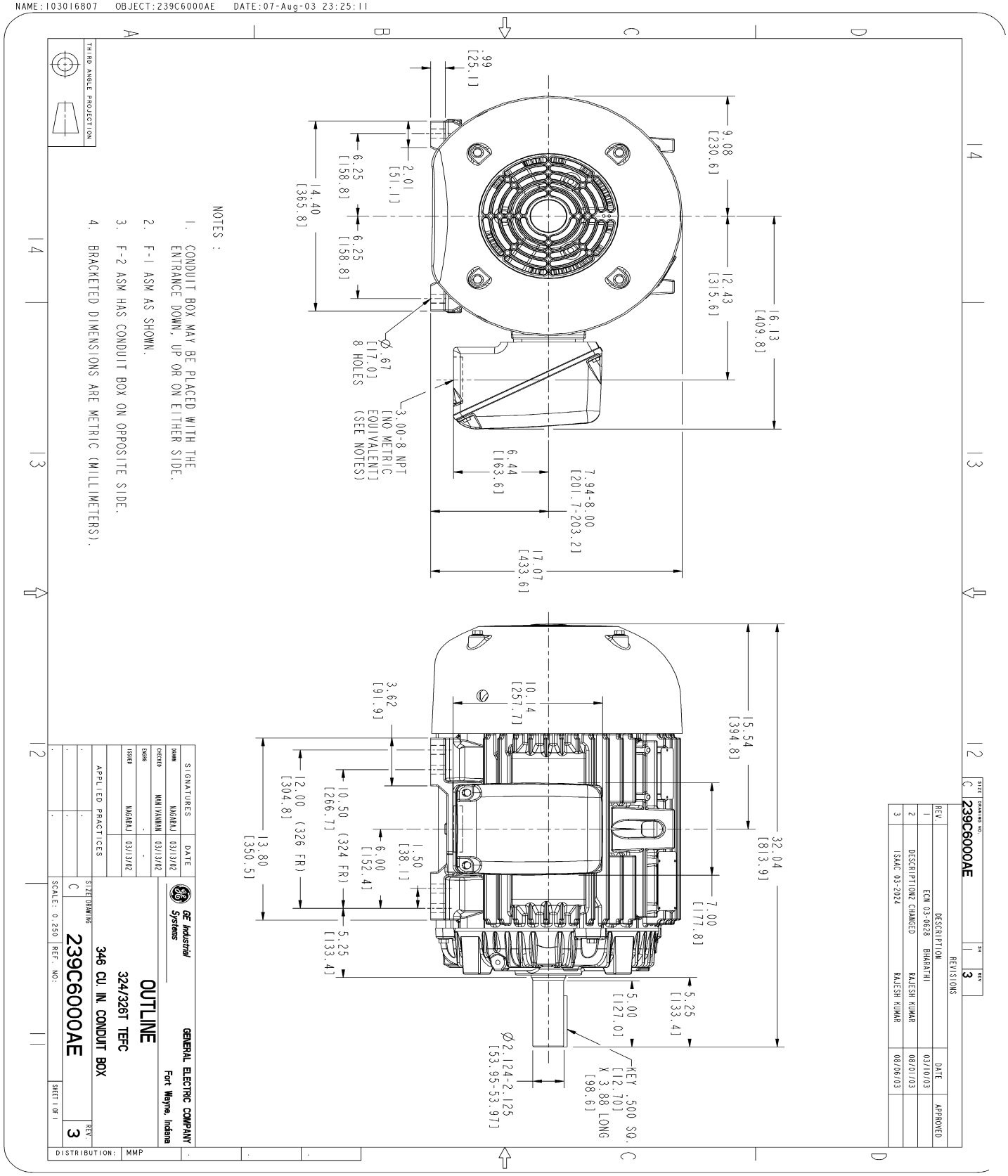
TORQ(FL)#FT	133.76	**TORQ(LR)%FL**	221	**TORQ(BD)%FL**	239.83
AMPS(LR)	223.99	**PF AT START**	0.4		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 2243 Lb-Ft Sq (94.43 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 39 seconds. Safe stall time at 100% voltage is 78 seconds cold, 47 seconds hot. Rotor inertia is 11.09 Lb-Ft Sq (0.47 Kg-meter Sq).

Open Circuit A-C:	0.3	**Short Circuit D-C:**	0.018
Short Circuit A-C:	0.018	**X/R Ratio:**	6.868
Stator Slots:	54	**Rotor Slots:**	40



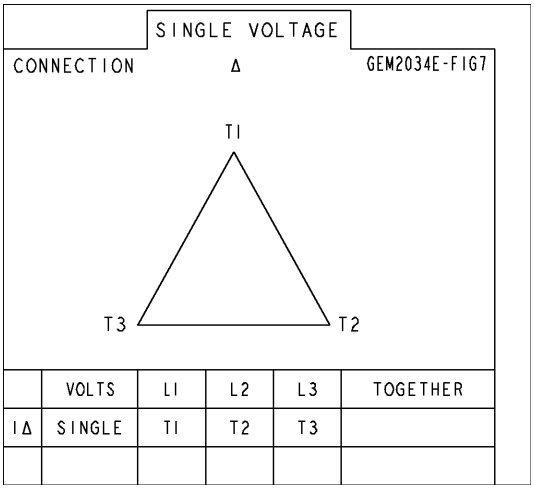
Marks:


NAME:103016807 OBJECT:239C6000AE DATE:07-Aug-03 23:25:11
NOTES :
1. CONDUIT BOX MAY BE PLACED WITH THE ENTRANCE DOWN, UP OR ON EITHER SIDE.
2. F-1 ASM AS SHOWN.
3. F-2 ASM HAS CONDUIT BOX ON OPPOSITE SIDE.
4. BRACKETED DIMENSIONS ARE METRIC (MILLIMETERS).
.99 [25.1]
9.08 [230.6]
12.43 [315.6]
16.13 [409.8]
2.01 [51.1]
6.25 [158.8]
6.25 [158.8]
14.40 [365.8]
Ø.67 [17.0] 8 HOLES
3.00-8 NPT [NO METRIC EQUIVALENT] (SEE NOTES)
6.44 [163.6]
7.94-8.00 [201.7-203.2]
17.07 [433.6]
3.62 [91.9]
10.14 [257.7]
15.54 [394.8]
32.04 [813.9]
12.00 (326 FR) [304.8]
10.50 (324 FR) [266.7]
1.50 [38.1]
6.00 [152.4]
13.80 [350.5]
7.00 [177.8]
5.25 [133.4]
5.00 [127.0]
5.25 [133.4]
KEY .500 SQ. X 3.88 LONG [98.6]
Ø2.124-2.125 [53.95-53.97]
THIRD ANGLE PROJECTION
SIZE C | DRAWING NO. 239C6000AE | SH 1 | REV 3
REVISIONS
REV. | DESCRIPTION | DATE | APPROVED
1 | ECN 03-0628 BHARATHI | 03/10/03
2 | DESCRIPTION2 CHANGED RAJESH KUMAR | 08/01/03
3 | ISAAC 03-2024 RAJESH KUMAR | 08/06/03
SIGNATURES | DATE
DRAWN MAGARAJ | 03/13/02
CHECKED MANIVANNAN | 03/13/02
ENGRG - | -
ISSUED MAGARAJ | 03/13/02
APPLIED PRACTICES
GE Industrial Systems
GENERAL ELECTRIC COMPANY
Fort Wayne, Indiana
OUTLINE
324/326T TEFC
346 CU. IN. CONDUIT BOX
239C6000AE
SIZE C | DRAWING 3 | REV
SCALE: 0.250 | REF. NO: | SHEET 1 OF 1
DISTRIBUTION: MMP

Marks:

Connection Diagram

GEM2034E-FIG7



	VOLTS	L1	L2	L3	TOGETHER
1Δ	SINGLE	T1	T2	T3	