GE
Power Conversion

Product Information Packet

November 8, 2016

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

Model Number:	**5KS326XAA304D8**
Catalog Number:	**M9581**
Instruction Manual:	GEI-56128
Connection Diagram:	GEM2034E-FIG7
Outline Drawing:	239C6000RJ

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:	**5KS326XAA304D8**	**Estimated Weight:**	670 Lbs
Outline Drawing:	239C6000RJ	**Time Rating:**	CONT
Connection Diagram:	GEM2034E-FIG7	**Enclosure:**	TEFC
Instruction Book:	GEI-56128	**Encl Construction:**	841
Design Code:	32BD3101B	**Ambient Max(°C):**	40
Type:	KS	**Alt Ambient Max(°C):**	--
Frame:	326T	**Insulation Class:**	H
Phases:	3	**NEMA Design:**	B
Poles:	6	**Nominal Efficiency:**	93.0 %
Output Power:	30HP 22.2KW	**Guaranteed Efficiency:**	92.4
RPM:	1180	**3/4 Load Efficiency:**	93.3
Voltage:	575	**KVA Code:**	G
Hertz:	60	**Max KVAR:**	12.7
Amps - FL:	31.0	**Power Factor:**	78.0
Service Factor:	1.15	**Bearing - DE:**	6312ZC3
Alt Service Factor:	--	**Bearing - ODE:**	6312ZC3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

IEEE-STD-841-2009
DE BRG 60BC03JP30, ODE BRG 60BC03JP30
STAMP NP249A5564P051 AS BELOW:
MODEL:5KS326XAA304D8 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 -25C <= AMB <= 40C, 1.0 SF ON SINE-WAVE PWR
SURF TEMP 230C AT 1.15SF ON SINE-WAVE PWR
OR 200C VT OR 230C CT OR 200C CHP PWM CONTROL
ALTERNATE RATING FOR PWM CONTROL 1.0SF 40C AMB
VT 0-60 HZ, CT 4-60 HZ, CHP 60-90 HZ.

Additional Information:

6P - T EXTN
PAINTED FRAME ID & SHAFT,
FAN COVER INSIDE & ODE E/S OUTSIDE
346 CU IN - 3.00" NPT
INPRO SEAL BOTH ENDS
OIL RESISTANT SLEEVING ON LEADS
.0015" TIR SHAFT RUNOUT
ROUTINE TEST REPORT AND 5 POINT VIBRATION TEST
REPORT INCLUDED IN C/B
COPPER WASHER UNDER HEADS OF BEARING CAP BOLTS,
APPLY TITE-SEAL (A50CD427A) ON BEARING CAP SCREWS,
RABBETS AND PLUG THREADS.
GROUND PAD
F1 MOUNTING

Performance Characteristics 1st Winding 1st Connection **Design: 32BD3101B**

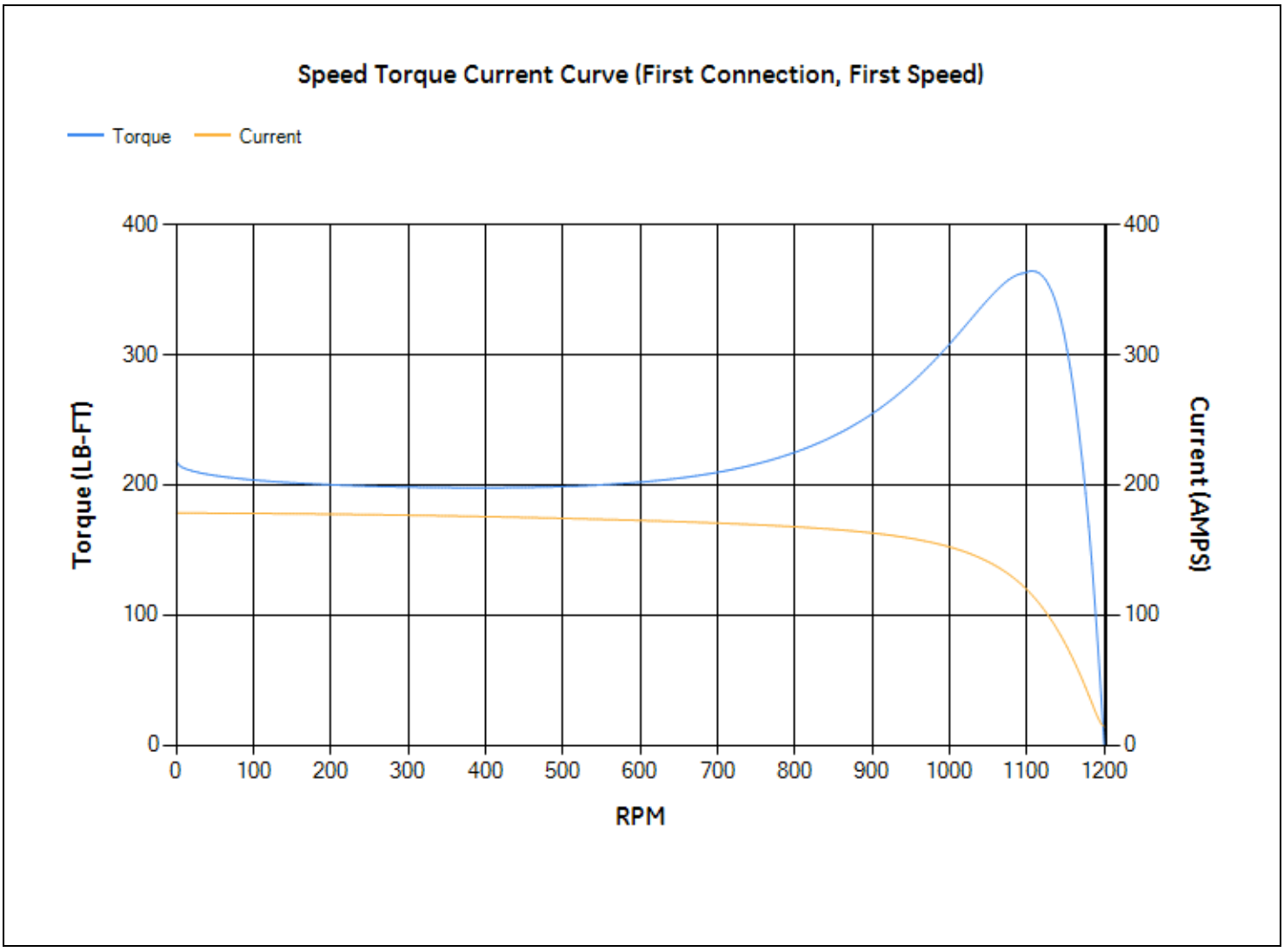
Marks:

LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	91.98	92.37	93.04	93.28	92.86	89.55	0.00
% PF	80.53	79.8	78.04	72.53	61.29	39.39	3.83
AMPS	37.91	35.05	30.91	24.9	19.73	15.92	14.16

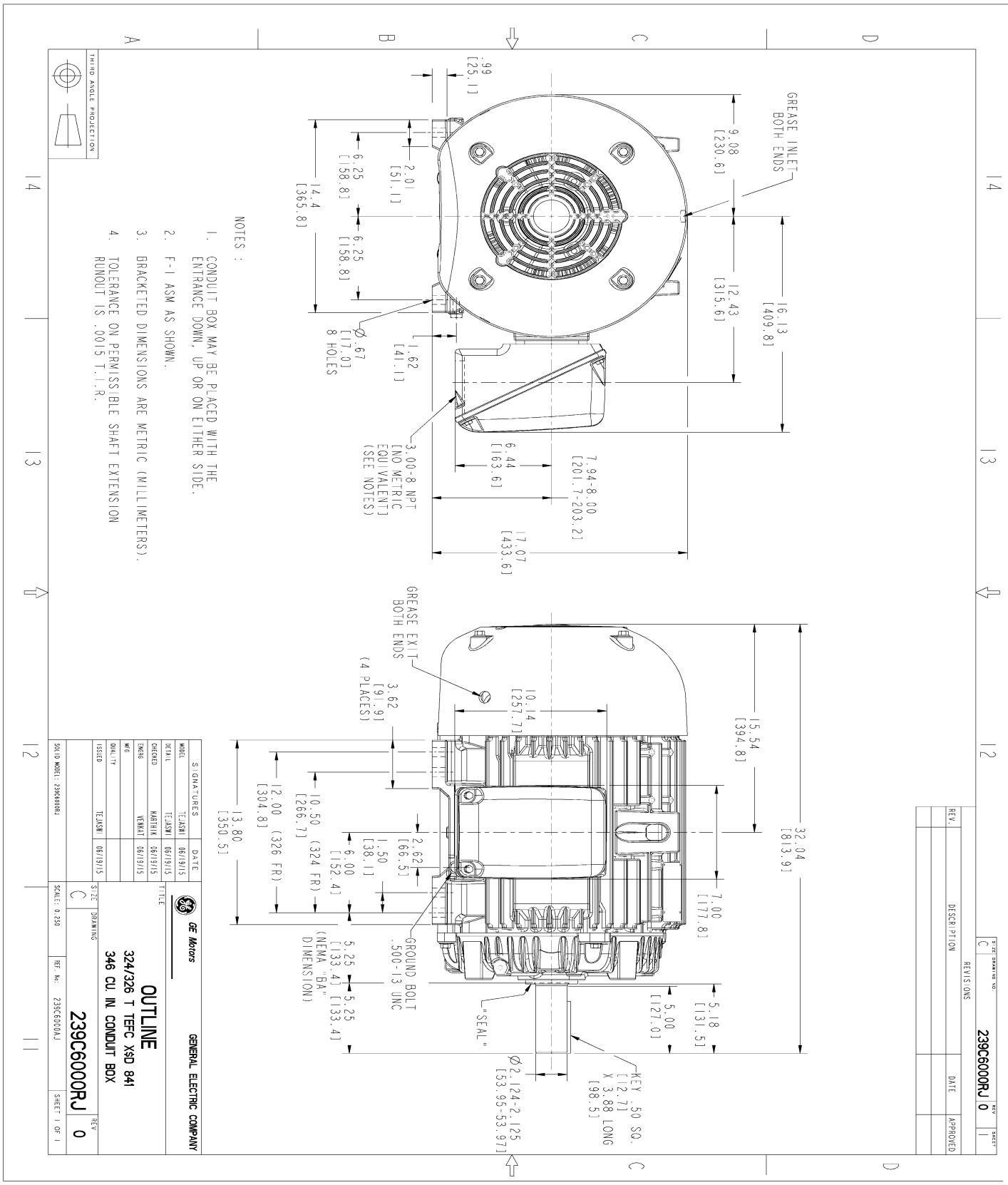
TORQ(FL)#FT	133.58	**TORQ(LR)%FL**	163.49	**TORQ(BD)%FL**	270.4
AMPS(LR)	178.31	**PF AT START**	0.33		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 2280 Lb-Ft Sq (95.99 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 47 seconds. Safe stall time at 100% voltage is 100 seconds cold, 57 seconds hot. Rotor inertia is 9.38 Lb-Ft Sq (0.39 Kg-meter Sq).

Open Circuit A-C:	0.311	**Short Circuit D-C:**	0.017
Short Circuit A-C:	0.02	**X/R Ratio:**	6.438
Stator Slots:	54	**Rotor Slots:**	40

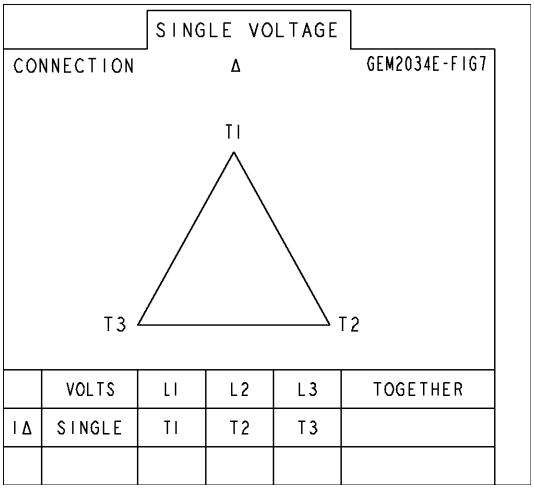


Marks:


GREASE INLET BOTH ENDS
9.08 [230.6]
12.43 [315.6]
16.13 [409.8]
.99 [25.1]
2.01 [51.1]
6.25 [158.8]
6.25 [158.8]
14.4 [365.8]
Ø.67 [17.0] 8 HOLES
1.62 [41.1]
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]
GREASE EXIT BOTH ENDS
3.62 [91.9] (4 PLACES)
10.14 [257.7]
15.54 [394.8]
32.04 [813.9]
12.00 (326 FR) [304.8]
10.50 (324 FR) [266.7]
13.80 [350.5]
2.62 [66.5]
6.00 [152.4]
1.50 [38.1]
7.00 [177.8]
GROUND BOLT .500-13 UNC
5.25 [133.4] (NEMA "BA" DIMENSION)
5.25 [133.4]
"SEAL"
5.00 [127.0]
5.18 [131.5]
KEY .50 SQ. [12.7] X 3.88 LONG [98.5]
Ø2.124-2.125 [53.95-53.97]
NOTES :
1. CONDUIT BOX MAY BE PLACED WITH THE ENTRANCE DOWN, UP OR ON EITHER SIDE.
2. F-1 ASM AS SHOWN.
3. BRACKETED DIMENSIONS ARE METRIC (MILLIMETERS).
4. TOLERANCE ON PERMISSIBLE SHAFT EXTENSION RUNOUT IS .0015 T.I.R.
THIRD ANGLE PROJECTION
SIZE C DRAWING NO. 239C6000RJ REV 0 SHEET 1
REVISIONS
REV. DESCRIPTION DATE APPROVED
SIGNATURES
MODEL TE.ASNI 06/19/15
DETAIL TE.ASNI 06/19/15
CHECKED KARTHIK 06/19/15
ENGRG VENKAT 06/19/15
MFG
QUALITY
ISSUED TE.ASNI 06/19/15
GE Motors
GENERAL ELECTRIC COMPANY
TITLE
OUTLINE
324/326 T TEFC XsD 841
346 CU. IN CONDUIT BOX
SOLID MODEL: 239C6000RJ
SIZE C DRAWING 239C6000RJ REV 0
SCALE: 0.250 REF No: 239C6000AJ SHEET 1 OF 1

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	115E4200AA1	115E4200LA1
Bearing	235A2609AA01	235A2609AA01
Slinger/Inproseal	235A4575GS2	235A4575GS2

Fan & Fan Cover Assembly	
Part Description	Part#
Fan	159C7000G01
Fan Cover	128D6800AA1

Conduit & Accessories Box Assembly	
Part Description	Part#
Conduit Box	149C4429AA2

Mechanical Accessories	
Part Description	Part#
Brake	
Tachometer	