GE
Power Conversion

Product Information Packet

November 8, 2016

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

Model Number:	**5KS365XAA404D4**
Catalog Number:	**M9586**
Instruction Manual:	GEI-56128
Connection Diagram:	GEM2034E-FIG7
Outline Drawing:	239C6200RC

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:	**5KS365XAA404D4**	**Estimated Weight:**	1020 Lbs
Outline Drawing:	239C6200RC	**Time Rating:**	CONT
Connection Diagram:	GEM2034E-FIG7	**Enclosure:**	TEFC
Instruction Book:	GEI-56128	**Encl Construction:**	841
Design Code:	36BD4026B	**Ambient Max(°C):**	40
Type:	KS	**Alt Ambient Max(°C):**	--
Frame:	365T	**Insulation Class:**	H
Phases:	3	**NEMA Design:**	B
Poles:	8	**Nominal Efficiency:**	92.4 %
Output Power:	40HP 29.6KW	**Guaranteed Efficiency:**	91.7
RPM:	885	**3/4 Load Efficiency:**	92.8
Voltage:	575	**KVA Code:**	G
Hertz:	60	**Max KVAR:**	22.0
Amps - FL:	45.3	**Power Factor:**	71.5
Service Factor:	1.15	**Bearing - DE:**	6314ZC3
Alt Service Factor:	--	**Bearing - ODE:**	6314ZC3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

IEEE-STD-841-2009
DE BRG 70BC03JP30, ODE BRG 70BC03JP30
STAMP NP249A5564P051 AS BELOW:
MODEL:5KS365XAA404D4 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 15-60 HZ, CHP 60-90 HZ.

Additional Information:

8P - 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: 36BD4026B**

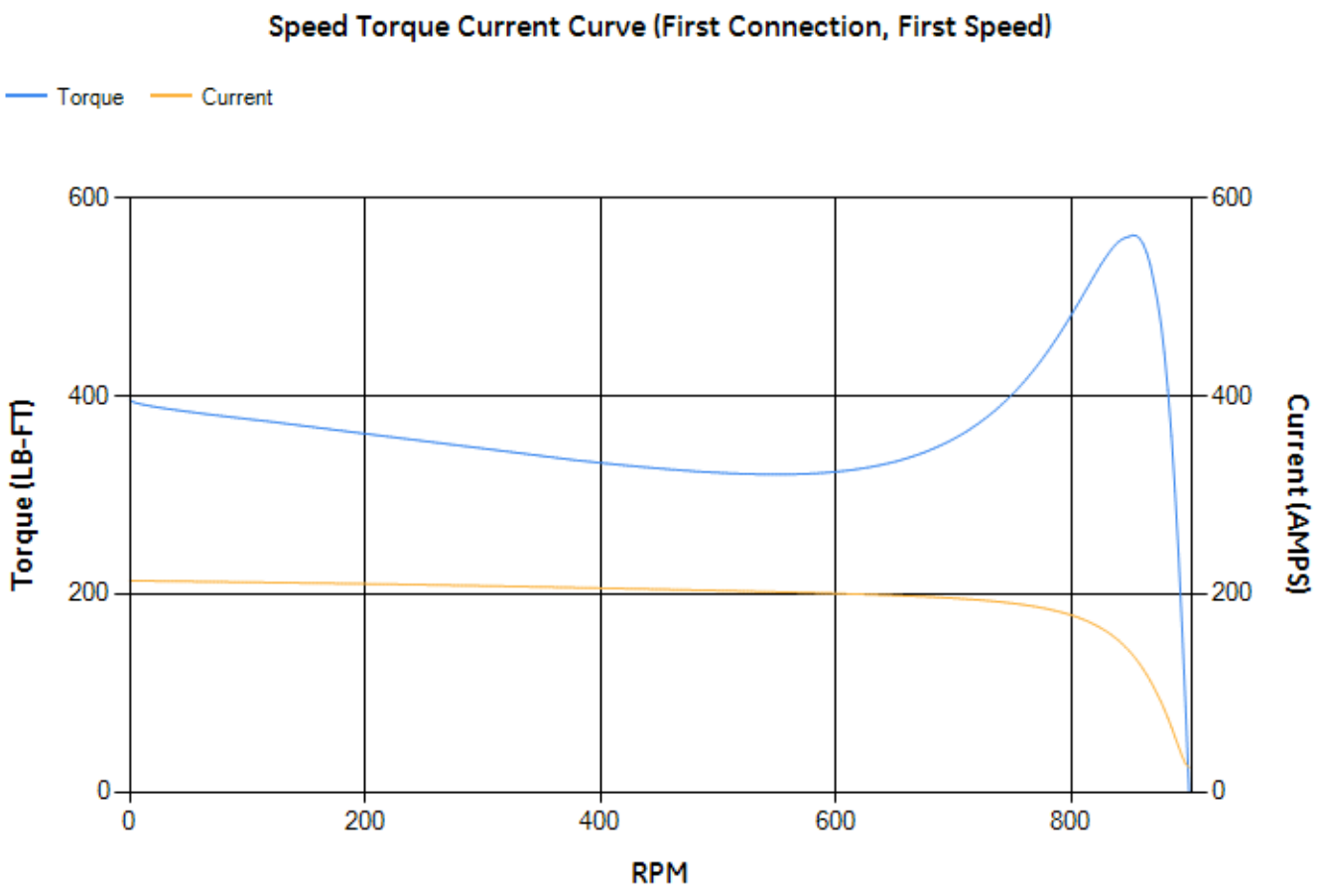
Marks:

LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	91.69	92.05	92.68	92.8	92.19	88.36	0.00
% PF	75.38	74.2	71.67	64.66	52.22	31.72	3.02
AMPS	54.17	50.43	44.9	37.43	31.11	26.72	24.59

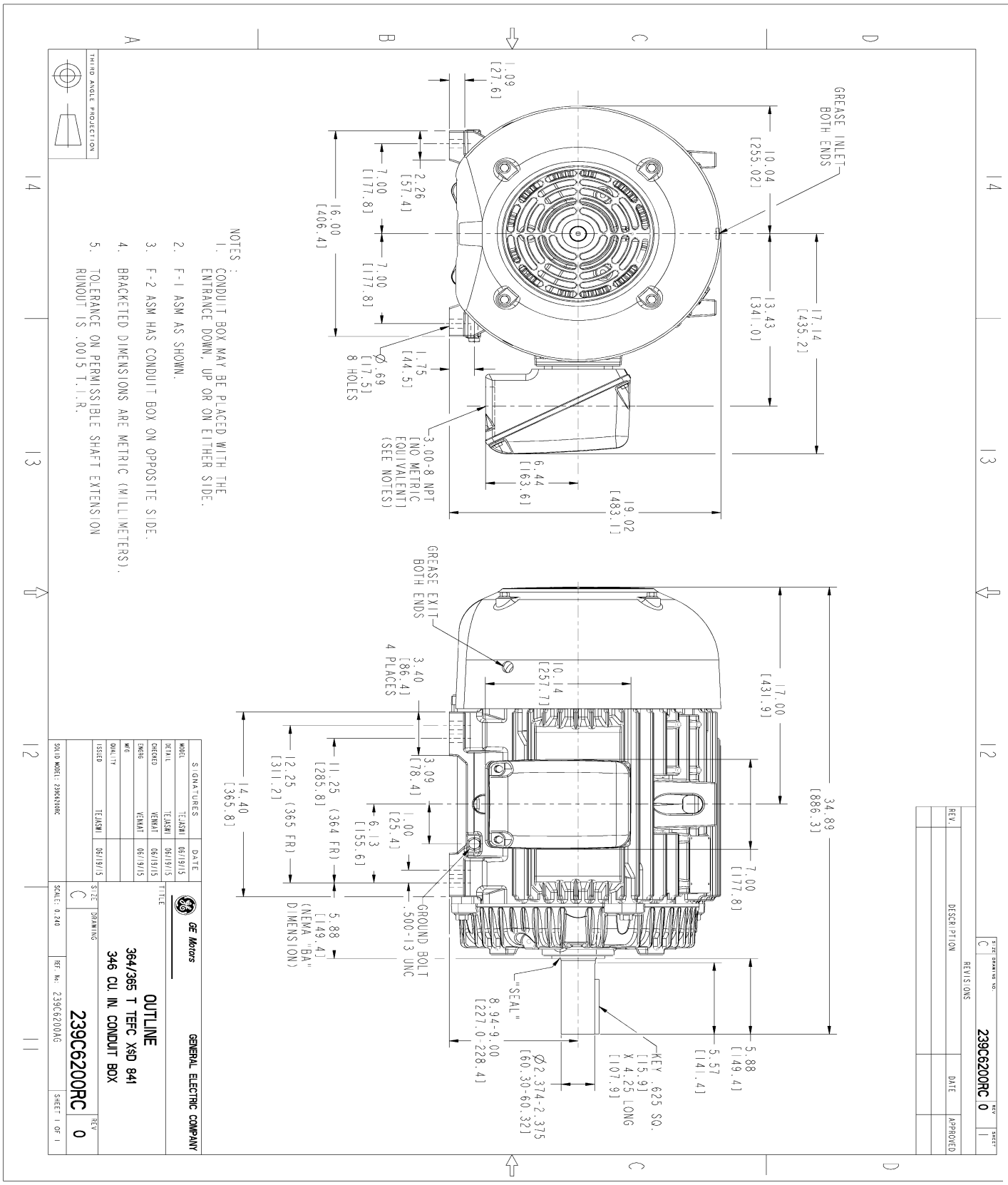
TORQ(FL)#FT	236.72	**TORQ(LR)%FL**	167.31	**TORQ(BD)%FL**	236.33
AMPS(LR)	213.21	**PF AT START**	0.37		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 3697 Lb-Ft Sq (155.64 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 37 seconds. Safe stall time at 100% voltage is 112 seconds cold, 57 seconds hot. Rotor inertia is 22.51 Lb-Ft Sq (0.95 Kg-meter Sq).

Open Circuit A-C:	0.302	**Short Circuit D-C:**	0.016
Short Circuit A-C:	0.029	**X/R Ratio:**	6.218
Stator Slots:	72	**Rotor Slots:**	58

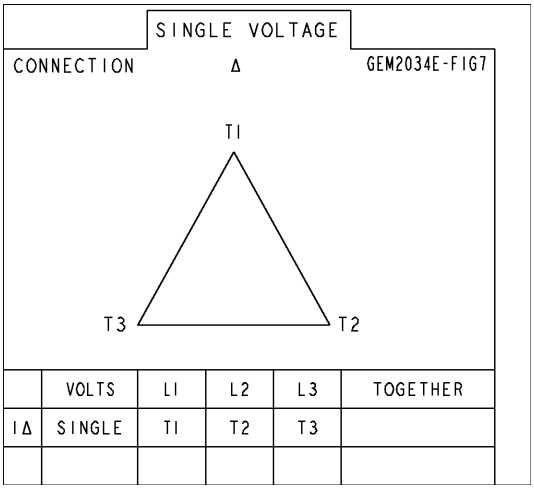


Marks:


GREASE INLET BOTH ENDS
10.04 [255.02]
17.14 [435.2]
13.43 [341.0]
1.09 [27.6]
2.26 [57.4]
7.00 [177.8]
16.00 [406.4]
7.00 [177.8]
1.75 [44.5]
Ø.69 [17.5] 8 HOLES
3.00-8 NPT [NO METRIC EQUIVALENT] (SEE NOTES)
6.44 [163.6]
19.02 [483.1]
GREASE EXIT BOTH ENDS
3.40 [86.4] 4 PLACES
10.14 [257.7]
17.00 [431.9]
34.89 [886.3]
3.09 [78.4]
1.00 [25.4]
6.13 [155.6]
7.00 [177.8]
11.25 (364 FR) [285.8]
12.25 (365 FR) [311.2]
14.40 [365.8]
5.88 [149.4] (NEMA "BA" DIMENSION)
GROUND BOLT .500-13 UNC
"SEAL"
8.94-9.00 [227.0 228.4]
KEY .625 SQ. [15.9] X 4.25 LONG [107.9]
Ø2.374-2.375 [60.30-60.32]
5.57 [141.4]
5.88 [149.4]
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).
5. TOLERANCE ON PERMISSIBLE SHAFT EXTENSION RUNOUT IS .0015 T.I.R.
THIRD ANGLE PROJECTION
SIZE C DRAWING NO. 239C6200RC REV 0 SHEET 1
REVISIONS
REV. DESCRIPTION DATE APPROVED
SIGNATURES
MODEL TEJASWI 06/19/15
DETAIL TEJASWI 06/19/15
CHECKED VENKAT 06/19/15
ENGRG VENKAT 06/19/15
MFG
QUALITY
ISSUED TEJASWI 06/19/15
GE Motors
GENERAL ELECTRIC COMPANY
TITLE
OUTLINE
364/365 T TEFC XSD 841
346 CU. IN. CONDUIT BOX
SIZE C DRAWING 239C6200RC REV 0
SOLID MODEL: 239C6200RC
SCALE: 0.240
REF No: 239C6200AG
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	115E4250AA1	115E4250LK1
Bearing	235A2616AA01	235A2616AA01
Slinger/Inproseal	235A4575GS3	235A4575GS3

Fan & Fan Cover Assembly	
Part Description	Part#
Fan	159C7100G01
Fan Cover	128D6810AA1

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

Mechanical Accessories	
Part Description	Part#
Brake	
Tachometer	