GE
Power Conversion

Product Information Packet

May 4, 2017

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

Model Number:	**5KS364XAA308ZAN**
Catalog Number:	**M9452**
Instruction Manual:	
Connection Diagram:	GEM2034E-FIG1
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:	**5KS364XAA308ZAN**	**Estimated Weight:**	980 Lbs
Outline Drawing:	239C6200RC	**Time Rating:**	CONT
Connection Diagram:	GEM2034E-FIG1	**Enclosure:**	TEFC
Instruction Book:		**Encl Construction:**	841
Design Code:	36BD3089A	**Ambient Max(°C):**	40
Type:	KS	**Alt Ambient Max(°C):**	--
Frame:	364TC	**Insulation Class:**	H
Phases:	3	**NEMA Design:**	B
Poles:	6	**Nominal Efficiency:**	94.1 %
Output Power:	40HP 29.6KW	**Guaranteed Efficiency:**	93.6
RPM:	1185	**3/4 Load Efficiency:**	--
Voltage:	460	**KVA Code:**	G
Hertz:	60	**Max KVAR:**	16.4
Amps - FL:	49.7	**Power Factor:**	80.0
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:5KS364XAA308ZAN 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 200C AT 1.15SF ON SINE-WAVE PWR
OR 200C VT OR 215C CT OR 200C CHP PWM CONTROL
ALTERNATE RATING FOR PWM CONTROL 1.0SF 40C AMB
VT 0-60 HZ, CT 3-60 HZ, CHP 60-90 HZ.
MOD MOTOR ADD C-FACE DE

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: 36BD3089A**

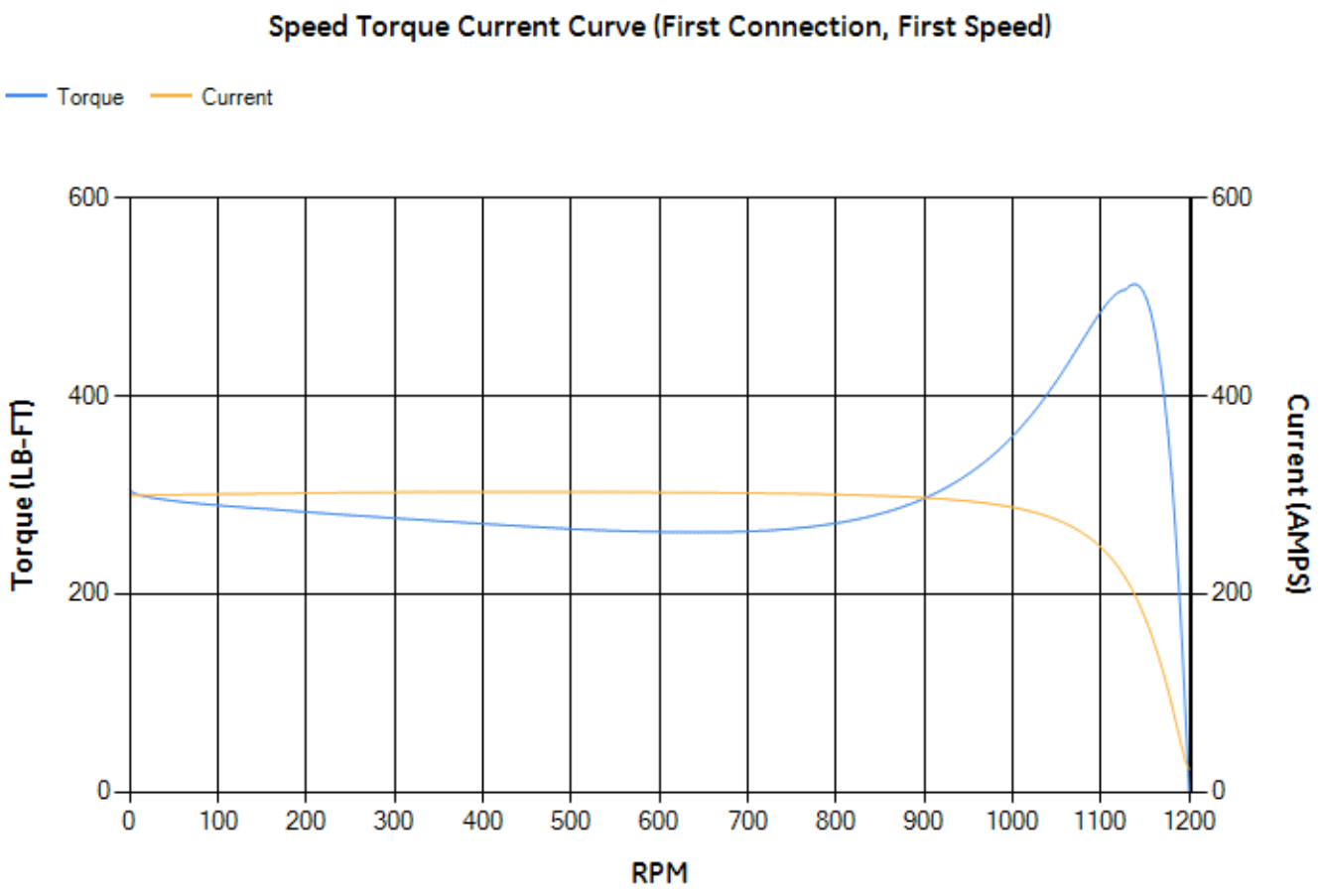
Marks:

LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	93.47	93.73	94.24	94.27	93.77	90.68	0.00
% PF	83.19	82.24	80.2	74.28	62.61	40.03	3.4
AMPS	60.18	55.86	49.43	40.1	31.88	25.79	22.92

TORQ(FL)#FT	176.88	**TORQ(LR)%FL**	172.68	**TORQ(BD)%FL**	286.2
AMPS(LR)	299.19	**PF AT START**	0.38		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 3454 Lb-Ft Sq (145.41 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 55 seconds. Safe stall time at 100% voltage is 108 seconds cold, 67 seconds hot. Rotor inertia is 18.76 Lb-Ft Sq (0.79 Kg-meter Sq).

Open Circuit A-C:	0.497	**Short Circuit D-C:**	0.016
Short Circuit A-C:	0.029	**X/R Ratio:**	5.934
Stator Slots:	72	**Rotor Slots:**	58



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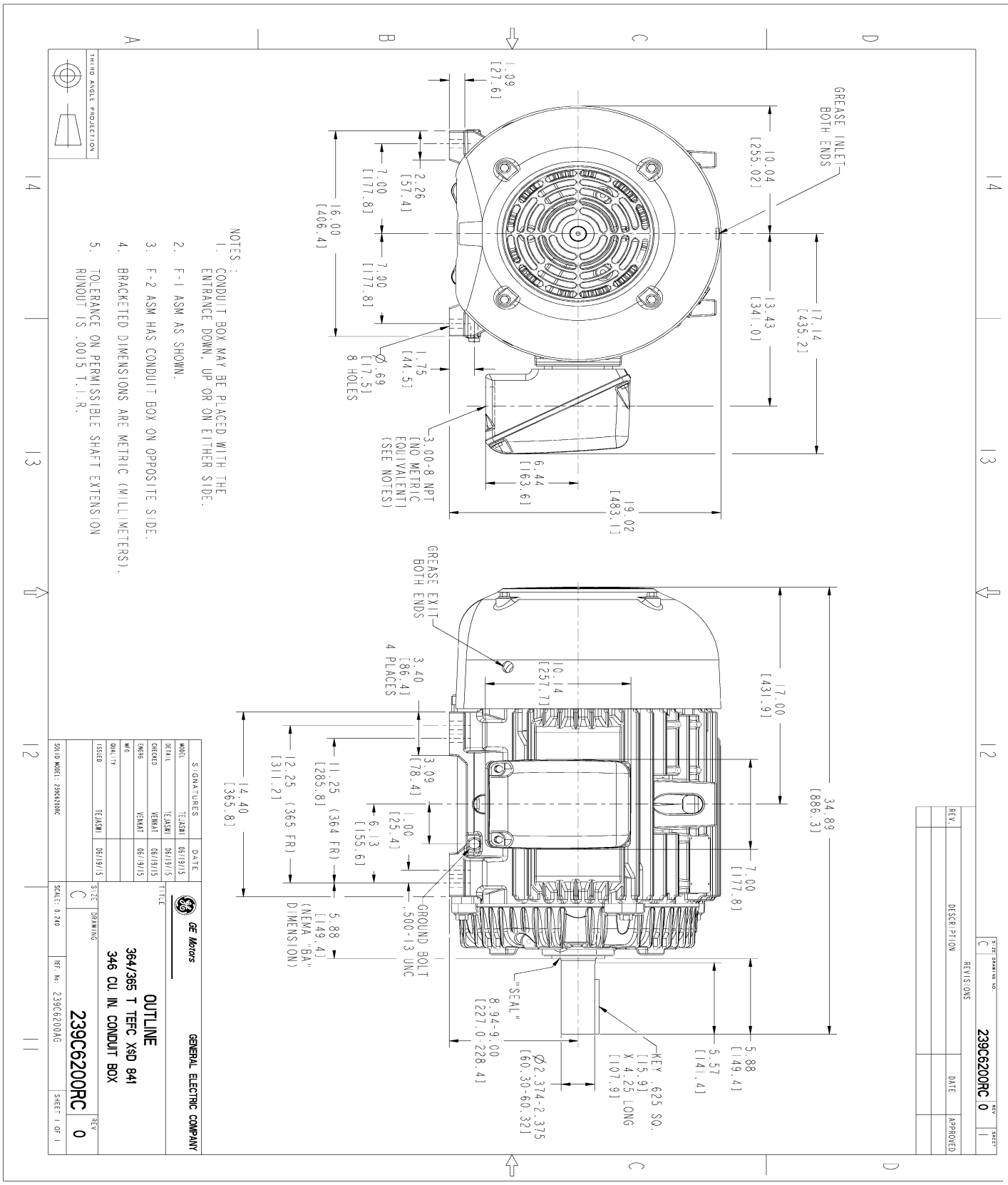


NOTES :
1. CONDUIT BOX MAY BE PLACED WITH THE ENTRANCE DOWN, UP OR ON EITHER SIDE.
2. F-1 ASM AS SHOWN.
3. F-2 ASM HAS CONDUIT BOX ON OPPOSITE SIDE.
4. BRACKETED DIMENSIONS ARE METRIC (MILLIMETERS).
5. TOLERANCE ON PERMISSIBLE SHAFT EXTENSION RUNOUT IS .0015 T.I.R.

THIRD ANGLE PROJECTION

REVISIONS				SIZE	DRAWING NO.	REV	SHEET
REV.	DESCRIPTION	DATE	APPROVED	C	239C6200RC	0	1

SIGNATURES		DATE
MODEL	TE.ASM	06/19/15
DETAIL	TE.ASM	06/19/15
CHECKED	VENKAT	06/19/15
ENGRG	VENKAT	06/19/15
MFG		
QUALITY		
ISSUED	TE.ASM	06/19/15

GE Motors — GENERAL ELECTRIC COMPANY

TITLE

OUTLINE

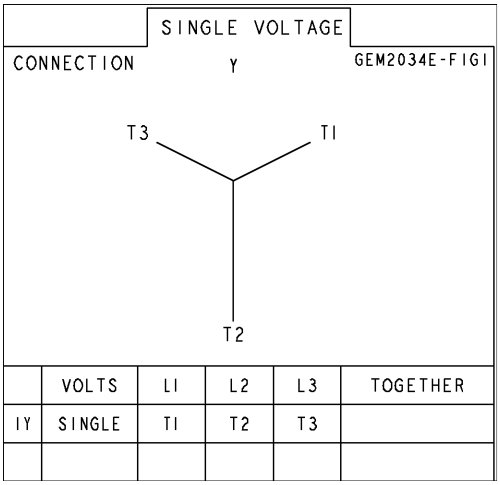
364/365 T TEFC XSD 841

346 CU. IN. CONDUIT BOX

SOLID MODEL: 239C6200RC	SIZE: C	DRAWING: 239C6200RC	REV: 0
SCALE: 0.240	REF No: 239C6200.AG		SHEET 1 OF 1

Connection Diagram

GEM2034E-FIG1



	VOLTS	LI	L2	L3	TOGETHER
IY	SINGLE	TI	T2	T3	

End shield Assembly		
Part Description	DE Side Part#	ODE Side Part#
End Shield		
Bearing		
Slinger/Inproseal		

Fan & Fan Cover Assembly	
Part Description	Part#
Fan	
Fan Cover	

Conduit & Accessories Box Assembly	
Part Description	Part#
Conduit Box	

Mechanical Accessories	
Part Description	Part#
Brake	
Tachometer	