GE INDUSTRIAL MOTORS
a WOLONG company

Product Technical Information

January 30, 2021

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

Model Number:	**5KS365SAA408D7**
Catalog Number:	**M9770**
Instruction Manual:	GEI-56128
Connection Diagram:	GEM2034E-FIG1
Outline Drawing:	239C6200GM

Accessory Connection Diagrams

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

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Marks:

MODEL NUMBER:	**5KS365SAA408D7**	**Estimated Weight:**	1020 Lbs
Outline Drawing:	239C6200GM	**Time Rating:**	CONT
Connection Diagram:	GEM2034E-FIG1	**Enclosure:**	TEFC
Instruction Book:	GEI-56128	**Encl Construction:**	841
Design Code:	36BD4026A	**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:	890	**3/4 Load Efficiency:**	--
Voltage:	460	**KVA Code:**	G
Hertz:	60	**Max KVAR:**	23.4
Amps - FL:	57.9	**Power Factor:**	70.0
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:5KS365SAA408D7 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 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
C/BOX 346 CU IN - 3.00" NPT
OIL RESISTANT SLEEVING ON LEADS
.0015" TIR SHAFT RUNOUT
ROUTINE TEST REPORT AND 5 POINT VIBRATION TEST
REPORT INCLUDED IN C/B
GROUND PAD
F1 MOUNTING

Performance Characteristics 1st Winding 1st Connection **Design: 36BD4026A**

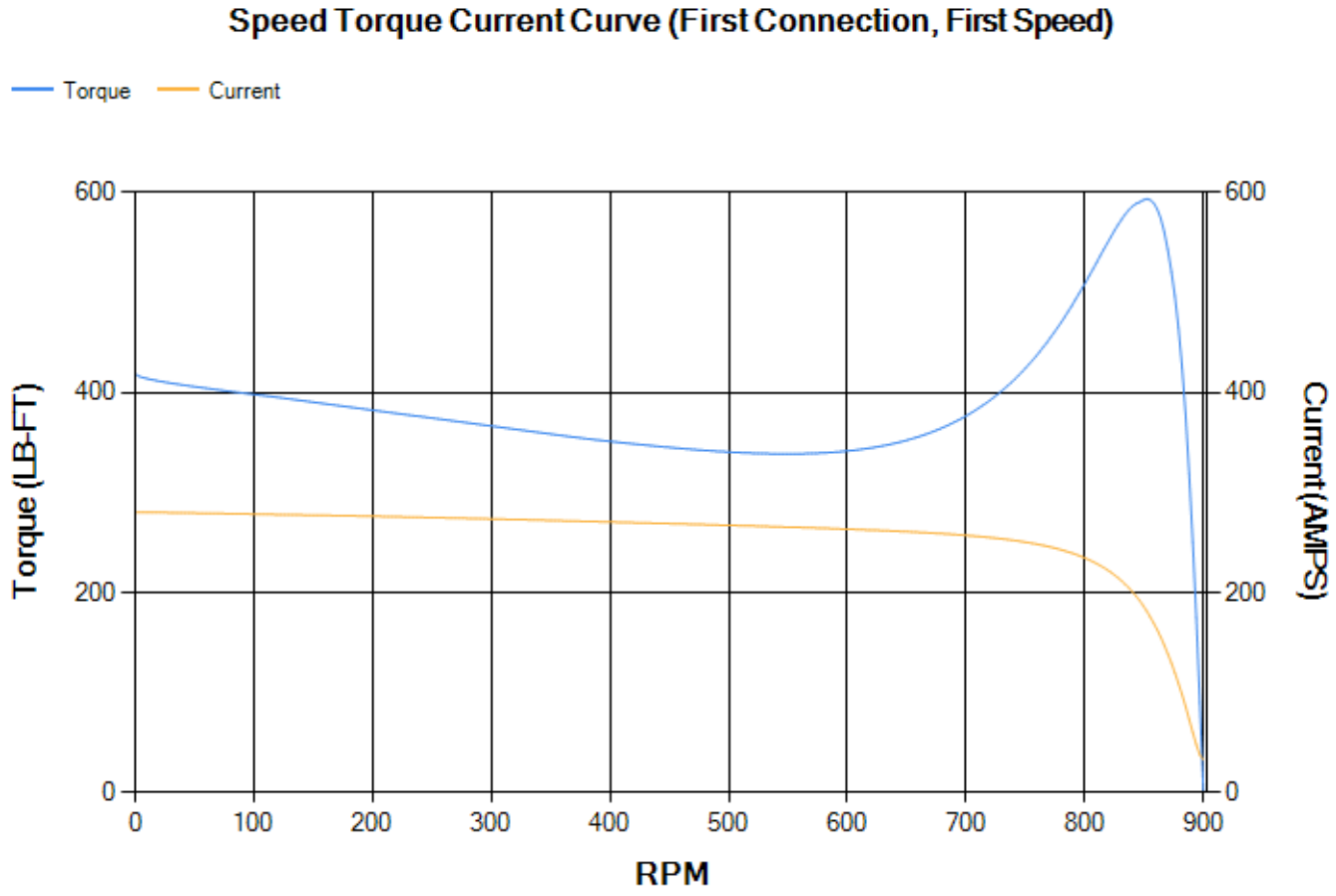
Marks:

LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	92.06	92.37	92.92	92.9	92.14	88.06	0.00
% PF	74.36	73.01	70.23	62.8	50.16	30.14	2.97
AMPS	68.35	63.84	57.14	48.12	40.51	35.27	32.69

TORQ(FL)#FT	236.51	**TORQ(LR)%FL**	177.08	**TORQ(BD)%FL**	249.51
AMPS(LR)	280.41	**PF AT START**	0.37		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 4178 Lb-Ft Sq (175.89 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 114 seconds cold, 60 seconds hot. Rotor inertia is 22.28 Lb-Ft Sq (0.94 Kg-meter Sq).

Open Circuit A-C:	0.301	**Short Circuit D-C:**	0.017
Short Circuit A-C:	0.029	**X/R Ratio:**	6.468
Stator Slots:	72	**Rotor Slots:**	58



Marks:

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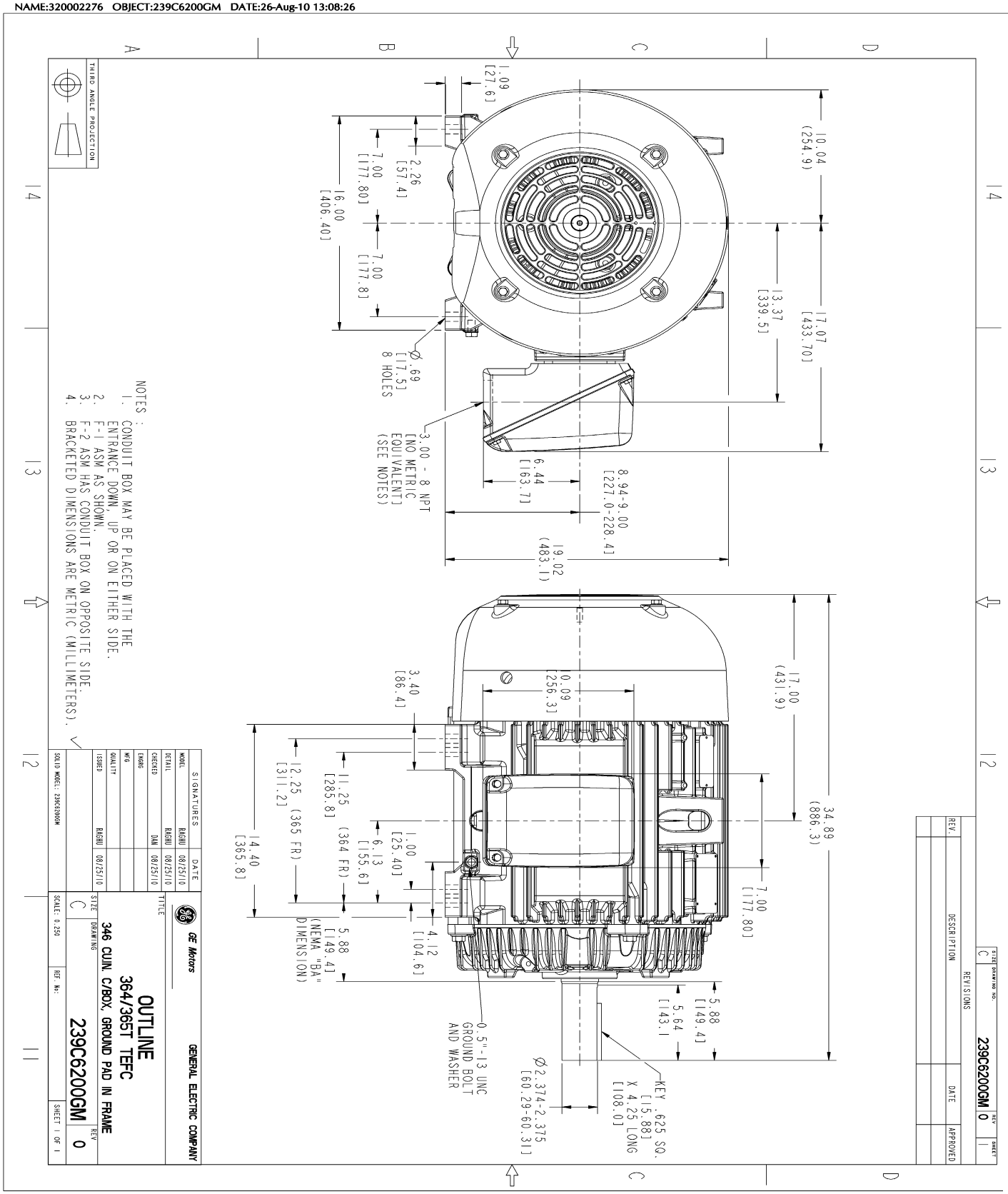


NOTES :
1. CONDUIT BOX MAY BE PLACED WITH THE ENTRANCE DOWN, UP OR ON EITHER SIDE.
2. F-1 ASM AS SHOWN.
3. F-2 ASM HAS CONDUIT BOX ON OPPOSITE SIDE.
4. BRACKETED DIMENSIONS ARE METRIC (MILLIMETERS).

THIRD ANGLE PROJECTION

REV.	DESCRIPTION	DATE	APPROVED
	REVISIONS		

SIZE C | DRAWING NO. 239C6200GM | REV 0 | SHEET 1

SIGNATURES		
MODEL	RAGHU	08/25/10
DETAIL	RAGHU	08/25/10
CHECKED	DAN	08/25/10
ENGRG		
MFG		
QUALITY		
ISSUED	RAGHU	08/25/10

SOLID MODEL: 239C6200GM

GE Motors — GENERAL ELECTRIC COMPANY

TITLE

OUTLINE
364/365T TEFC
346 CUIN. C/BOX, GROUND PAD IN FRAME

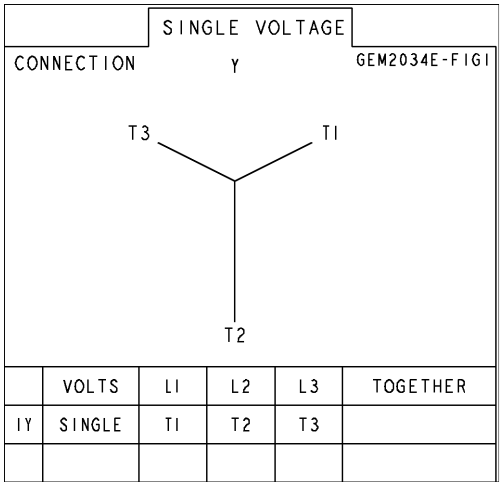
SIZE C | DRAWING 239C6200GM | REV 0

SCALE: 0.250 | REF №: | SHEET 1 OF 1

Marks:

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	115E4250AA1	115E4250LK1
Bearing	235A2516AC01	235A2516AC01
Slinger/Inproseal	149C4399G05	149C4399G05

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	