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:	**5KS365SAA118D13**
Catalog Number:	**M999**
Instruction Manual:	GEI-56128
Connection Diagram:	GEM2034E-FIG7
Outline Drawing:	239C6200ACD

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:	**5KS365SAA118D13**	**Estimated Weight:**	1030 Lbs
Outline Drawing:	239C6200ACD	**Time Rating:**	CONT
Connection Diagram:	GEM2034E-FIG7	**Enclosure:**	TEFC
Instruction Book:	GEI-56128	**Encl Construction:**	841
Design Code:	36BD0118A	**Ambient Max(°C):**	40
Type:	KS	**Alt Ambient Max(°C):**	--
Frame:	365TS	**Insulation Class:**	H
Phases:	3	**NEMA Design:**	B
Poles:	2	**Nominal Efficiency:**	94.5 %
Output Power:	75HP 55.5KW	**Guaranteed Efficiency:**	94.1 %
RPM:	3575	**3/4 Load Efficiency:**	--
Voltage:	460	**KVA Code:**	G
Hertz:	60	**Max KVAR:**	20.9
Amps - FL:	85.9	**Power Factor:**	86.5
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:5KS365SAA118D13 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 215C AT 1.15SF ON SINE-WAVE PWR
OR 200C VT OR 230C CT OR ---C CHP PWM CONTROL
ALTERNATE RATING FOR PWM CONTROL 1.0SF 40C AMB
VT 0-60 HZ, CT 15-60 HZ, CHP -- HZ.

Additional Information:

2P - TS 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: 36BD0118A**

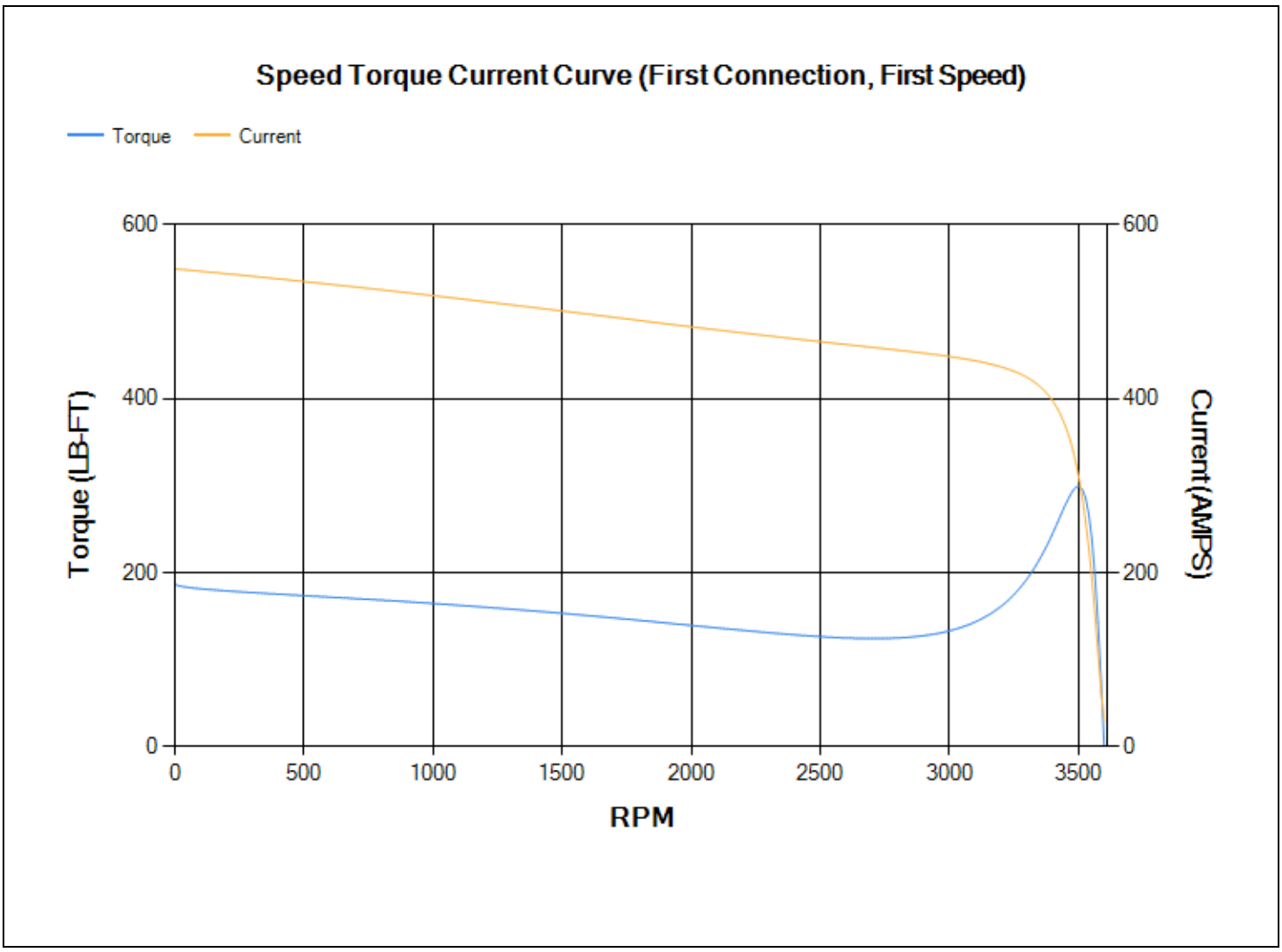
Marks:

LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	94.47	94.68	95.12	95.06	94.56	91.72	0.00
% PF	87.86	87.55	86.65	83.31	75.02	53.41	4.51
AMPS	105.71	97.39	85.02	66.47	49.48	35.82	29.15

TORQ(FL)#FT	110.18	**TORQ(LR)%FL**	169.64	**TORQ(BD)%FL**	271.45
AMPS(LR)	549.53	**PF AT START**	0.33		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 168 Lb-Ft Sq (7.07 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 17 seconds. Safe stall time at 100% voltage is 40 seconds cold, 20 seconds hot. Rotor inertia is 8.98 Lb-Ft Sq (0.38 Kg-meter Sq).

Open Circuit A-C:	1.034	**Short Circuit D-C:**	0.022
Short Circuit A-C:	0.05	**X/R Ratio:**	8.401
Stator Slots:	48	**Rotor Slots:**	38



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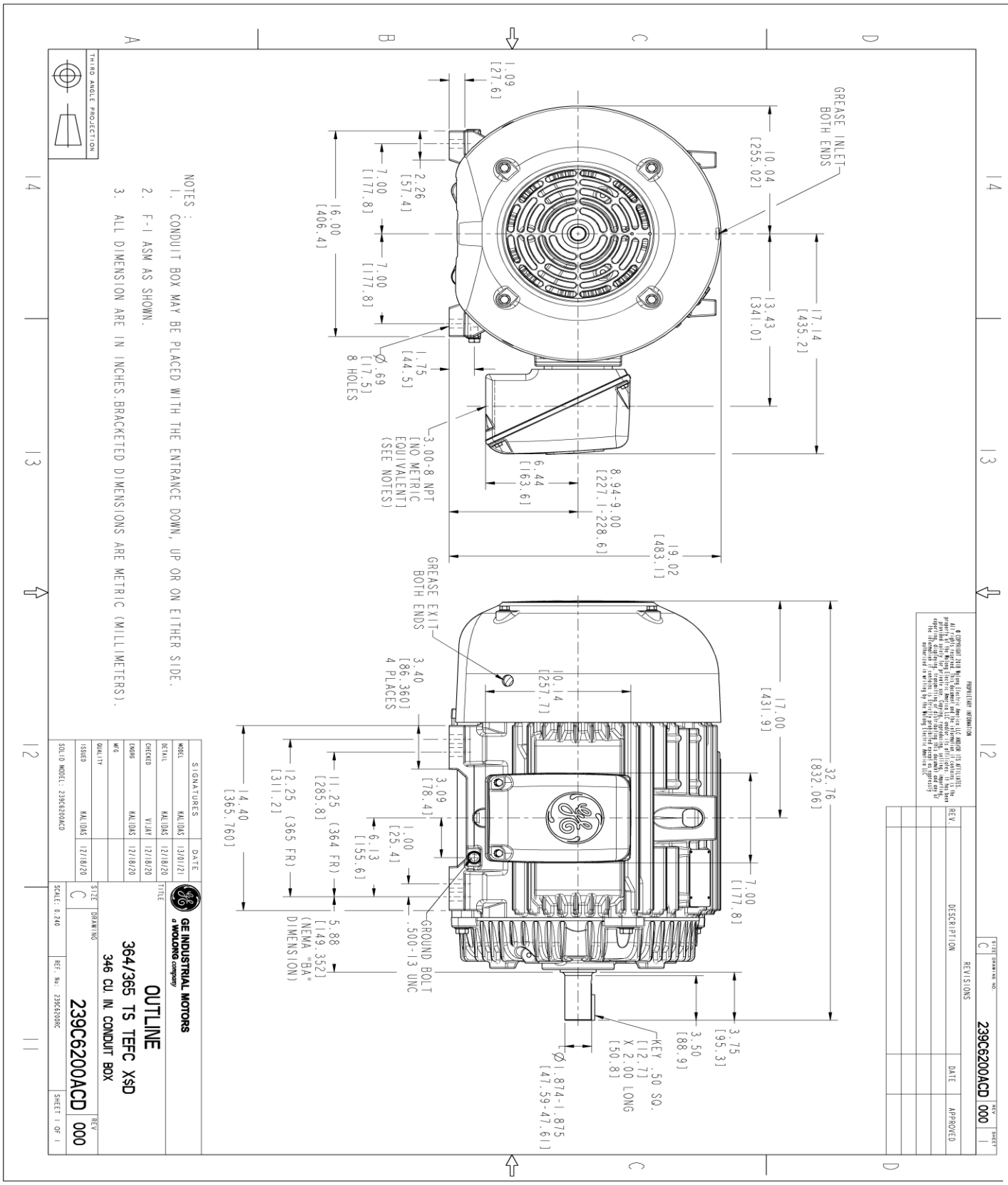

NOTES :
1. CONDUIT BOX MAY BE PLACED WITH THE ENTRANCE DOWN, UP OR ON EITHER SIDE.
2. F-1 ASM AS SHOWN.
3. ALL DIMENSION ARE IN INCHES.BRACKETED DIMENSIONS ARE METRIC (MILLIMETERS).

THIRD ANGLE PROJECTION

PROPRIETARY INFORMATION

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED

SIGNATURES		DATE
MODEL	RAJDAS	13/01/21
DETAIL	RAJDAS	12/18/20
CHECKED	V.JAY	12/18/20
ENGRG	RAJDAS	12/18/20
MFG		
QUALITY		
ISSUED	RAJDAS	12/18/20

SOLID MODEL: 239C6200ACD

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TITLE: OUTLINE
364/365 TS TEFC X&D
346 CU. IN. CONDUIT BOX

SIZE: C | DRAWING: 239C6200ACD | REV: 000

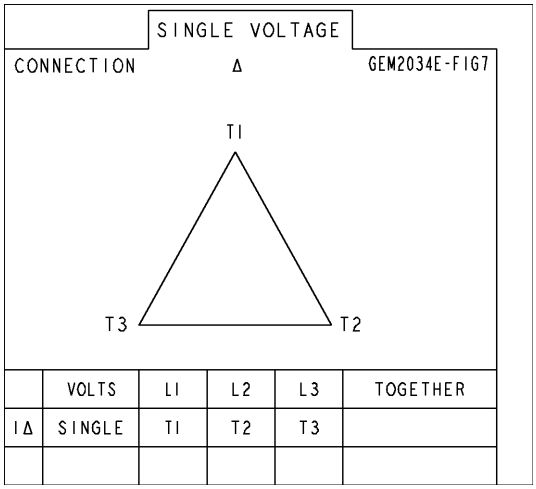
SCALE: 0.240 | REF. No.: 239C6202RC | SHEET 1 OF 1

239C6200ACD 000 SHEET 1

Marks:

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	235A2516AC01	235A2516AC01
Slinger/Inproseal	149C4399G05	149C4399G05

Fan & Fan Cover Assembly	
Part Description	Part#
Fan	159C6700G02
Fan Cover	128D6810AA1

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

Mechanical Accessories	
Part Description	Part#
Brake	
Tachometer	