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:	**5KS365SAA218D12**
Catalog Number:	**M9923**
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:	**5KS365SAA218D12**	**Estimated Weight:**	1020 Lbs
Outline Drawing:	239C6200ACD	**Time Rating:**	CONT
Connection Diagram:	GEM2034E-FIG7	**Enclosure:**	TEFC
Instruction Book:	GEI-56128	**Encl Construction:**	841
Design Code:	36BD1227A	**Ambient Max(°C):**	40
Type:	KS	**Alt Ambient Max(°C):**	--
Frame:	365TS	**Insulation Class:**	H
Phases:	3	**NEMA Design:**	B
Poles:	4	**Nominal Efficiency:**	95.4 %
Output Power:	75HP 55.5KW	**Guaranteed Efficiency:**	95.0 %
RPM:	1785	**3/4 Load Efficiency:**	--
Voltage:	460	**KVA Code:**	G
Hertz:	60	**Max KVAR:**	26.6
Amps - FL:	89.2	**Power Factor:**	82.5
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:5KS365SAA218D12 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 260C 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 10-60 HZ, CHP 60-90 HZ.

Additional Information:

4P - 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: 36BD1227A**

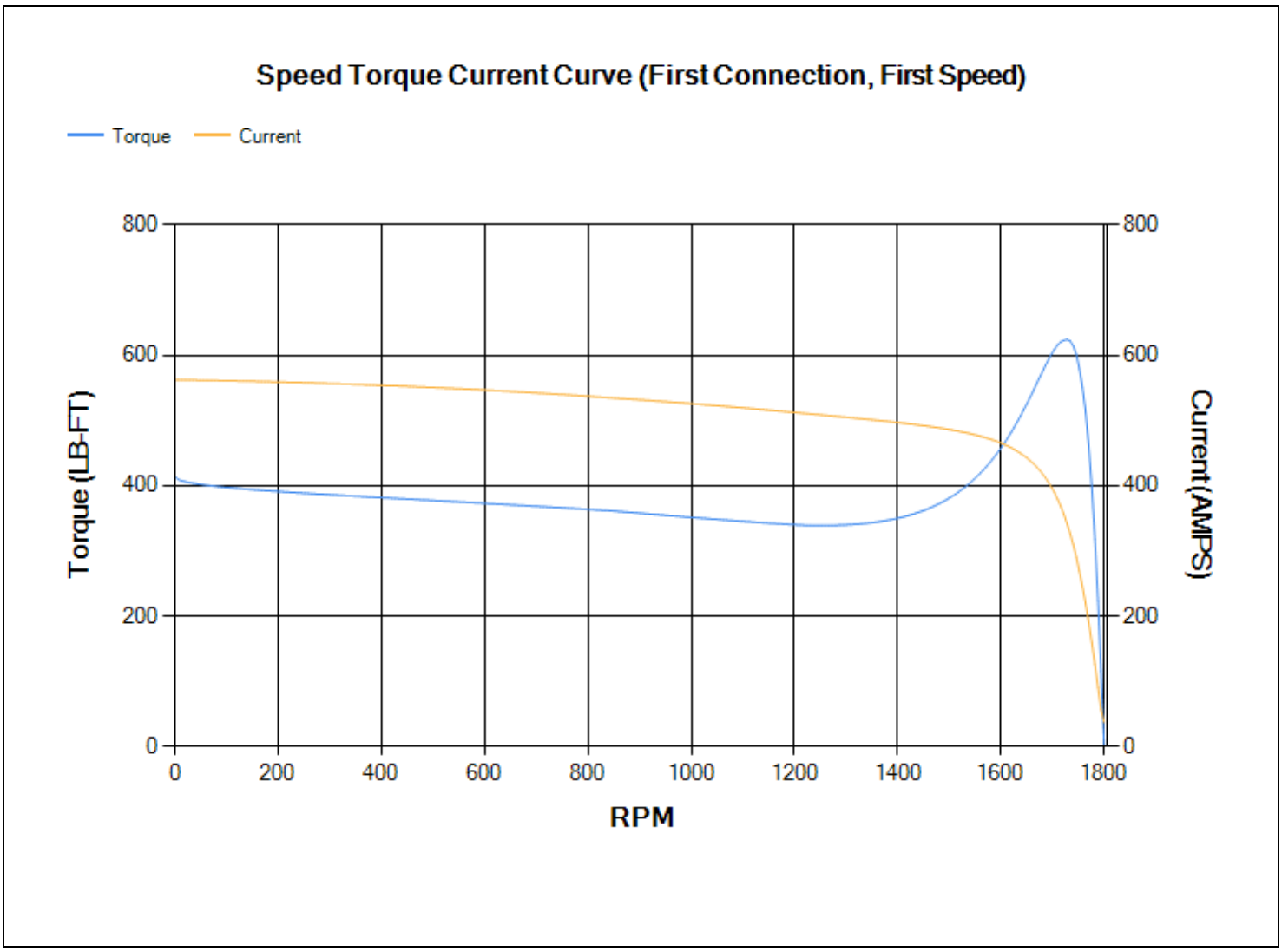
Marks:

LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	94.85	95.06	95.52	95.53	95.19	92.82	0.00
% PF	84.6	83.94	82.4	77.53	67	44.19	2.93
AMPS	109.35	101.17	89	71.08	55.03	42.78	37.09

TORQ(FL)#FT	220.86	**TORQ(LR)%FL**	187.39	**TORQ(BD)%FL**	281.77
AMPS(LR)	562.56	**PF AT START**	0.32		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 1432 Lb-Ft Sq (60.29 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 27 seconds. Safe stall time at 100% voltage is 65 seconds cold, 32 seconds hot. Rotor inertia is 15.13 Lb-Ft Sq (0.64 Kg-meter Sq).

Open Circuit A-C:	0.625	**Short Circuit D-C:**	0.025
Short Circuit A-C:	0.034	**X/R Ratio:**	9.412
Stator Slots:	60	**Rotor Slots:**	50



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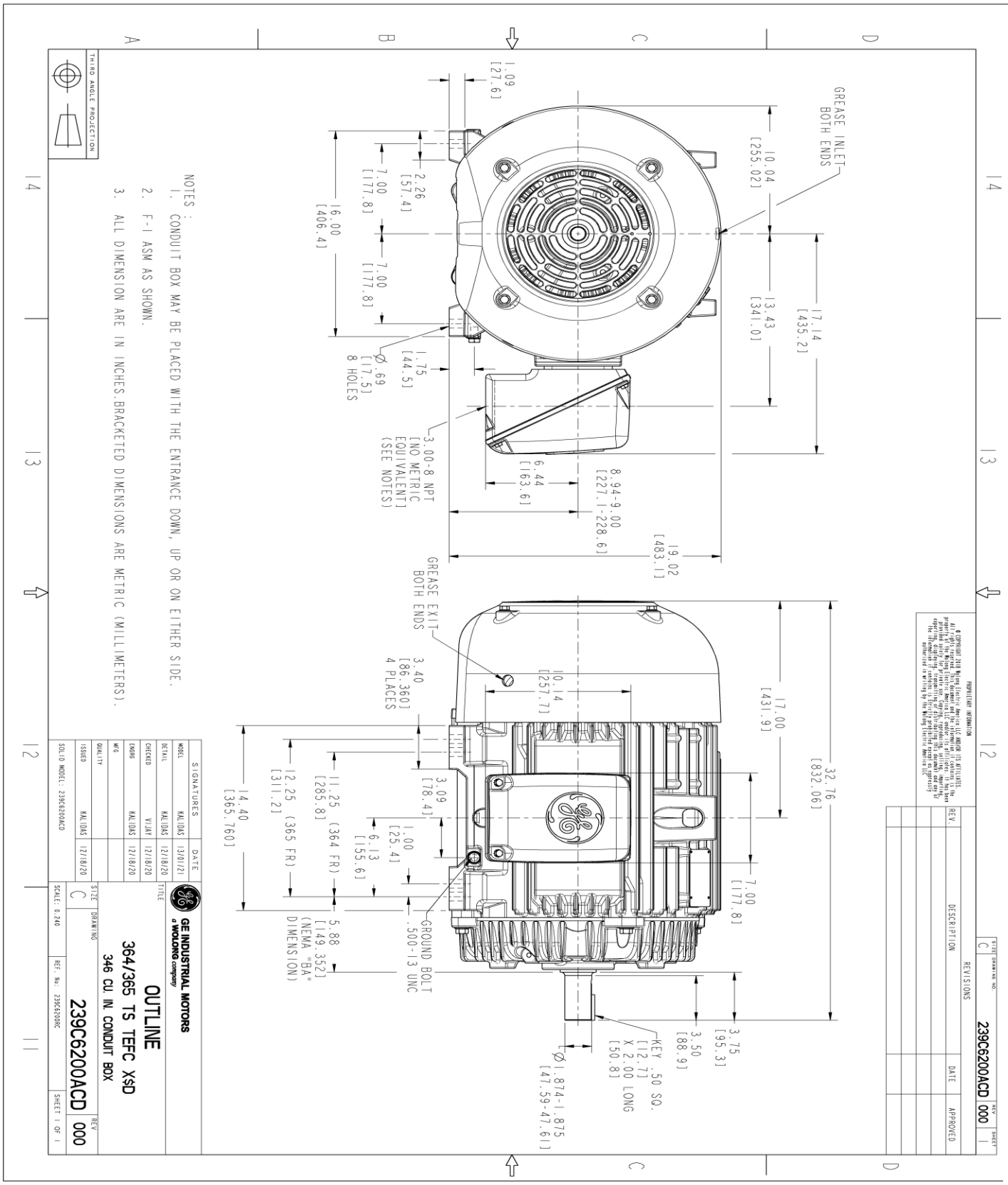

NOTES :
1. CONDUIT BOX MAY BE PLACED WITH THE ENTRANCE DOWN, UP OR ON EITHER SIDE.
2. F-1 ASM AS SHOWN.
3. ALL DIMENSION ARE IN INCHES.BRACKETED DIMENSIONS ARE METRIC (MILLIMETERS).

THIRD ANGLE PROJECTION

PROPRIETARY INFORMATION

REVISIONS				
SIZE	DRAWING NO.			REV
C	239C6200ACD			000
REV.	DESCRIPTION	DATE	APPROVED	SHEET 1

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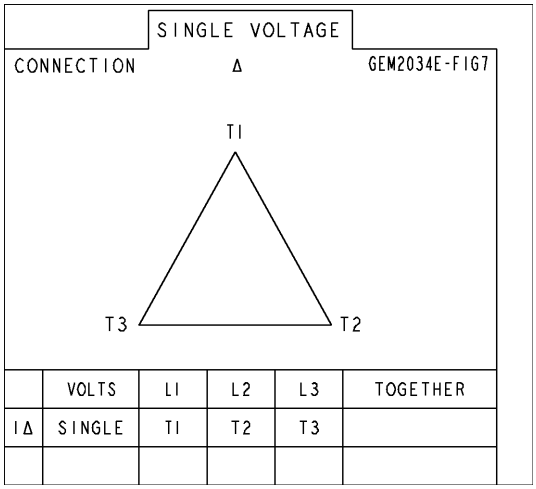
TITLE
OUTLINE
364/365 TS TEFC X&D
346 CU. IN. CONDUIT BOX

SIZE	DRAWING	REV
C	239C6200ACD	000
SCALE: 0.240	REF. No.: 239C6200RC	SHEET 1 OF 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	159C7100AA1
Fan Cover	128D6810AA1

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

Mechanical Accessories	
Part Description	Part#
Brake	
Tachometer	