



GE INDUSTRIAL MOTORS
a **WOLONG** company

Product Technical Information

February 17, 2023

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

Model Number:	5KGS365SAA208B
Catalog Number:	M8930
Instruction Manual:	GEI-56128
Connection Diagram:	GEM2034E-FIG7
Outline Drawing:	239C6200AA

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:	5KGS365SAA208B	Estimated Weight:	1110 Lbs
Outline Drawing:	239C6200AA	Time Rating:	CONT
Connection Diagram:	GEM2034E-FIG7	Enclosure:	TEFC
Instruction Book:	GEI-56128	Encl Construction:	X\$D
Design Code:	36BD1338A	Ambient Max(°C):	40
Type:	KGS	Alt Ambient Max(°C):	--
Frame:	365T	Insulation Class:	H
Phases:	3	NEMA Design:	-
Poles:	4	Nominal Efficiency:	95.4 %
Output Power:	75HP 55.5KW	Guaranteed Efficiency:	95.0 %
RPM:	1780	3/4 Load Efficiency:	--
Voltage:	460	KVA Code:	H
Hertz:	60	Max KVAR:	24.1
Amps - FL:	88.1	Power Factor:	83.5
Service Factor:	1.15	Bearing - DE:	6314ZC3
Alt Service Factor:	--	Bearing - ODE:	6314ZC3

Enclosure is Totally Enclosed Fan-Cooled

Stamped Nameplate Notes:

STAMP NP249A5564P051 AS BELOW:
 MODEL:5KGS365SAA208B 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 --C CHP PWM CONTROL
 ALTERNATE RATING FOR PWM CONTROL 1.0SF 40C AMB
 VT 0 - 60 HZ, CT 10-60 HZ, CHP -- HZ.



Additional Information:

4P - T EXTN
C/BOX 346 CU IN - 3.00" NPT
OIL RESISTANT SLEEVING ON LEADS
F1 MOUNTING



Performance Characteristics

1st Winding 1st Connection

Design: 36BD1338A

Marks:

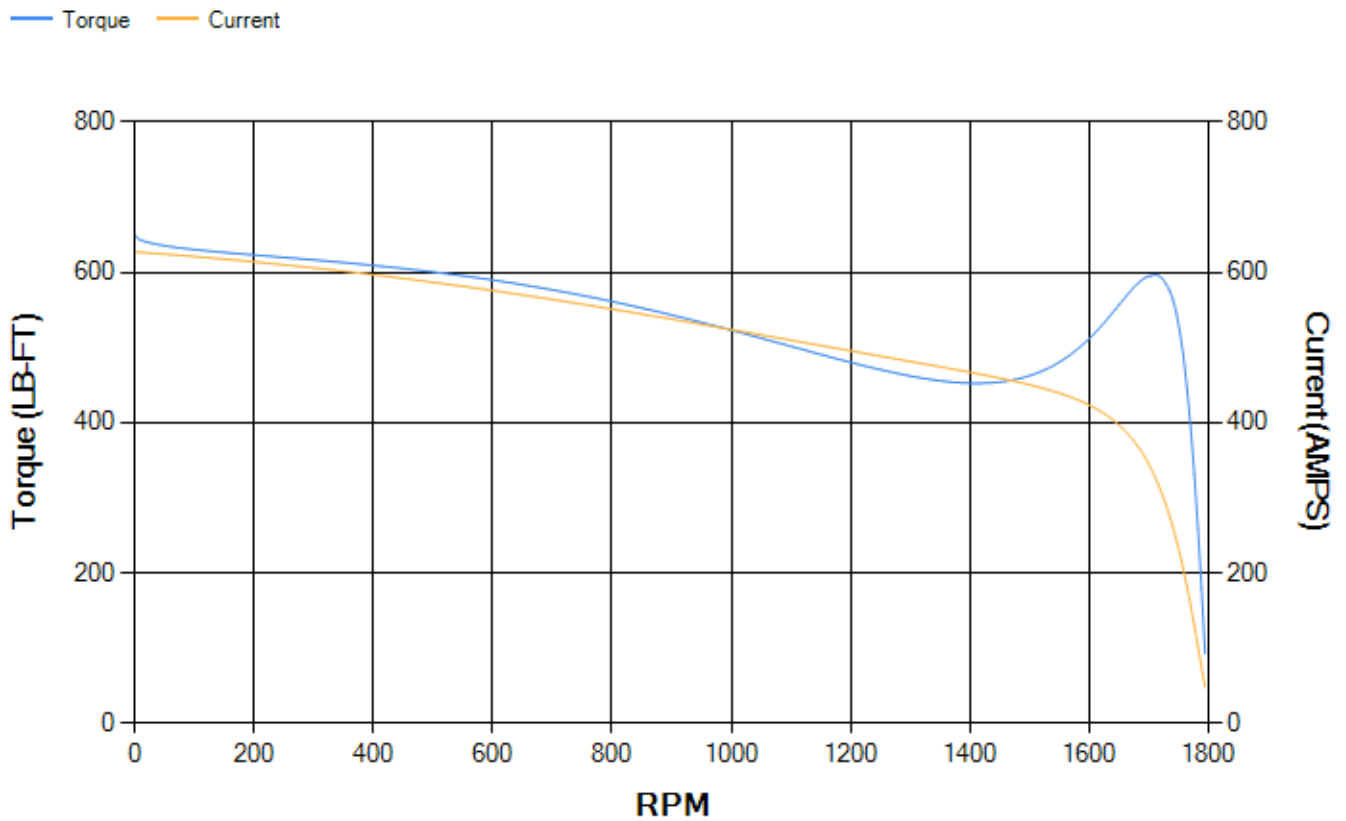
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	94.98	95.2	95.66	95.69	95.39	93.18	0.00
% PF	85.41	84.91	83.66	79.44	69.79	47.3	3.09
AMPS	108.17	99.87	87.53	69.25	52.72	39.82	33.66

TORQ(FL)#FT	221.3	TORQ(LR)%FL	293.84	TORQ(BD)%FL	268.74
AMPS(LR)	627.33	PF AT START	0.42		

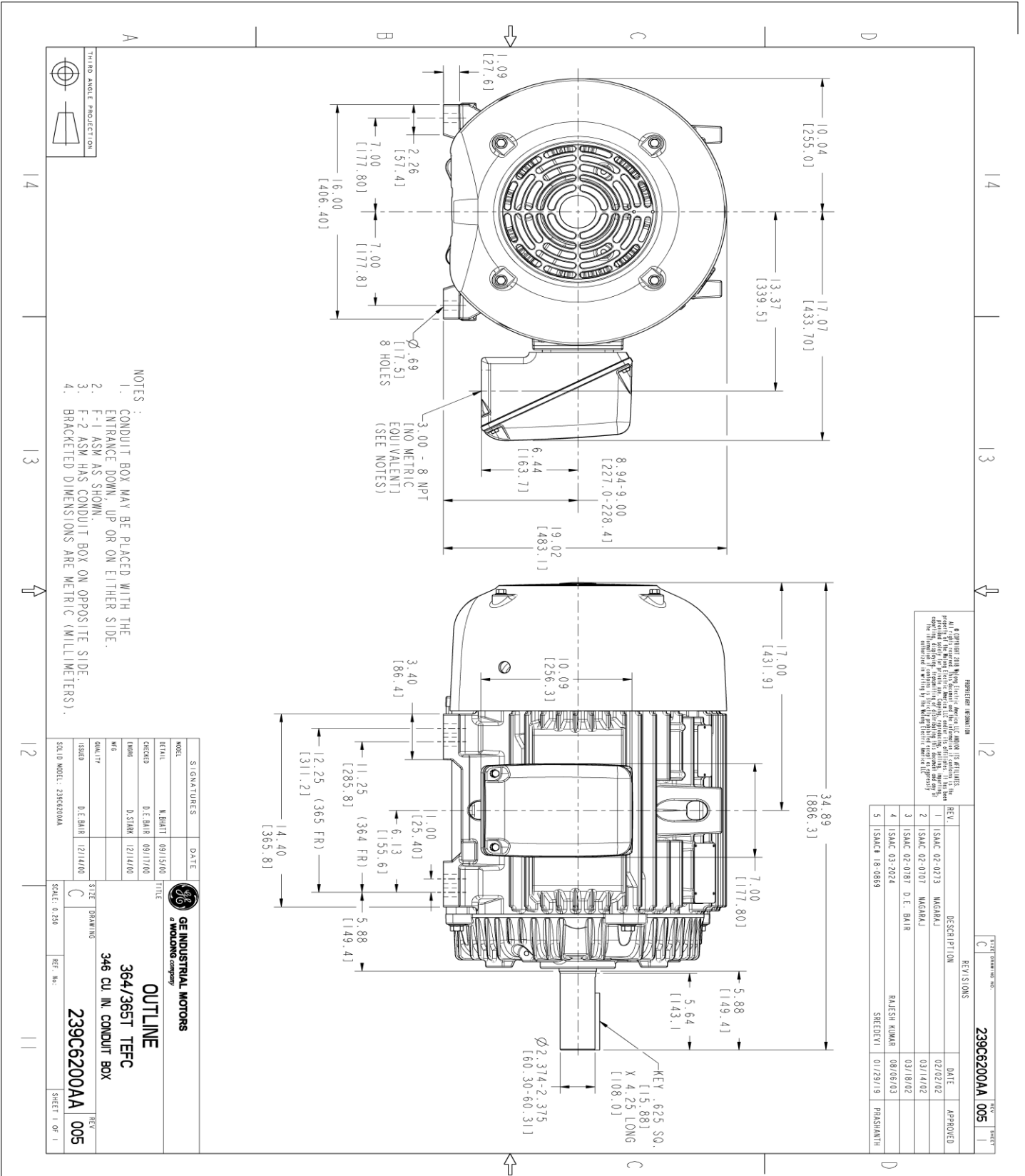
This motor is capable of two cold or one hot start with a maximum connected load inertia of 1513 Lb-Ft Sq (63.7 Kg-meter Sq)at 100% voltage, where the load torque varies with the square of the speed. Acceleration time with maximum inertia and the above load type is 19 seconds. Safe stall time at 100% voltage is 40 seconds cold, 23 seconds hot. Rotor inertia is 20.17 Lb-Ft Sq (0.85 Kg-meter Sq).

Open Circuit A-C:	0.571	Short Circuit D-C:	0.026
Short Circuit A-C:	0.024	X/R Ratio:	9.821
Stator Slots:	60	Rotor Slots:	50

Speed Torque Current Curve (First Connection, First Speed)



Marks:



PROHIBITION INFORMATION
 All GE products are designed and manufactured in accordance with the applicable safety standards. The user must read and understand the safety instructions and warnings provided in the user manual and on the product. The user must use the product in accordance with the safety instructions and warnings. The user must not modify the product or use it for any purpose other than that intended by GE. The user must not use the product in any hazardous environment. The user must not use the product in any environment where it may be exposed to fire, explosion, or other hazardous conditions. The user must not use the product in any environment where it may be exposed to high voltage or high current. The user must not use the product in any environment where it may be exposed to high temperature or high humidity. The user must not use the product in any environment where it may be exposed to high pressure or high vibration. The user must not use the product in any environment where it may be exposed to high speed or high acceleration. The user must not use the product in any environment where it may be exposed to high frequency or high power. The user must not use the product in any environment where it may be exposed to high magnetic field or high electric field. The user must not use the product in any environment where it may be exposed to high radiation or high noise. The user must not use the product in any environment where it may be exposed to high pollution or high contamination. The user must not use the product in any environment where it may be exposed to high humidity or high moisture. The user must not use the product in any environment where it may be exposed to high salt or high corrosion. The user must not use the product in any environment where it may be exposed to high acid or high alkali. The user must not use the product in any environment where it may be exposed to high oil or high grease. The user must not use the product in any environment where it may be exposed to high dust or high dirt. The user must not use the product in any environment where it may be exposed to high sand or high gravel. The user must not use the product in any environment where it may be exposed to high stones or high debris. The user must not use the product in any environment where it may be exposed to high ice or high snow. The user must not use the product in any environment where it may be exposed to high wind or high rain. The user must not use the product in any environment where it may be exposed to high lightning or high thunder. The user must not use the product in any environment where it may be exposed to high earthquakes or high tsunamis. The user must not use the product in any environment where it may be exposed to high hurricanes or high typhoons. The user must not use the product in any environment where it may be exposed to high cyclones or high storms. The user must not use the product in any environment where it may be exposed to high floods or high droughts. The user must not use the product in any environment where it may be exposed to high fires or high explosions. The user must not use the product in any environment where it may be exposed to high wars or high conflicts. The user must not use the product in any environment where it may be exposed to high terrorism or high violence. The user must not use the product in any environment where it may be exposed to high nuclear or high radioactive. The user must not use the product in any environment where it may be exposed to high biological or high chemical. The user must not use the product in any environment where it may be exposed to high physical or high mechanical. The user must not use the product in any environment where it may be exposed to high electrical or high magnetic. The user must not use the product in any environment where it may be exposed to high optical or high acoustic. The user must not use the product in any environment where it may be exposed to high thermal or high pressure. The user must not use the product in any environment where it may be exposed to high vacuum or high atmosphere. The user must not use the product in any environment where it may be exposed to high gravity or high buoyancy. The user must not use the product in any environment where it may be exposed to high density or high viscosity. The user must not use the product in any environment where it may be exposed to high conductivity or high resistivity. The user must not use the product in any environment where it may be exposed to high permeability or high impermeability. The user must not use the product in any environment where it may be exposed to high solubility or high insolubility. The user must not use the product in any environment where it may be exposed to high stability or high instability. The user must not use the product in any environment where it may be exposed to high durability or high fragility. The user must not use the product in any environment where it may be exposed to high strength or high weakness. The user must not use the product in any environment where it may be exposed to high hardness or high softness. The user must not use the product in any environment where it may be exposed to high brittleness or high ductility. The user must not use the product in any environment where it may be exposed to high malleability or high rigidity. The user must not use the product in any environment where it may be exposed to high elasticity or high inelasticity. The user must not use the product in any environment where it may be exposed to high plasticity or high brittleness. The user must not use the product in any environment where it may be exposed to high toughness or high brittleness. The user must not use the product in any environment where it may be exposed to high impact or high fragility. The user must not use the product in any environment where it may be exposed to high shock or high vibration. The user must not use the product in any environment where it may be exposed to high stress or high strain. The user must not use the product in any environment where it may be exposed to high fatigue or high failure. The user must not use the product in any environment where it may be exposed to high wear or high corrosion. The user must not use the product in any environment where it may be exposed to high oxidation or high reduction. The user must not use the product in any environment where it may be exposed to high acidification or high alkalization. The user must not use the product in any environment where it may be exposed to high salinization or high desalination. The user must not use the product in any environment where it may be exposed to high mineralization or high demineralization. The user must not use the product in any environment where it may be exposed to high calcification or high decalcification. The user must not use the product in any environment where it may be exposed to high ossification or high deossification. The user must not use the product in any environment where it may be exposed to high mineralization or high demineralization. The user must not use the product in any environment where it may be exposed to high calcification or high decalcification. The user must not use the product in any environment where it may be exposed to high ossification or high deossification.

REV.	DESCRIPTION	DATE	APPROVED
1	ISAC 02-0213	02/02/02	
2	ISAC 02-0107	03/14/02	
3	ISAC 02-0187	03/18/02	
4	ISAC 03-2024	08/08/03	
5	ISAC# 18-0869	01/29/19	

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



SIGNATURES	DATE	TITLE
MODEL		
DESIGNER		
CHECKED		
DATE		
SCALE		
SHEET		

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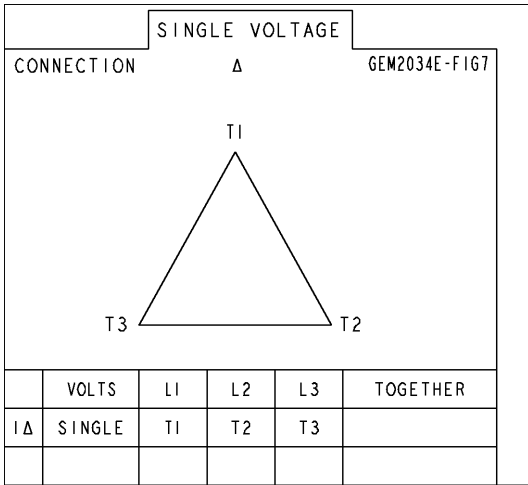
OUTLINE
 364/365T TEFC
 346 CU. IN. CONDUIT BOX
 239C6200AA

SCALE: 0.250

SHEET 1 OF 1

Marks:

Connection Diagram
GEM2034E-FIG7



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	

