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:	**5KGS364SAA208B**
Catalog Number:	**M8902**
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		

Table of Contents

Marks:

MODEL NUMBER:	**5KGS364SAA208B**	**Estimated Weight:**	1010 Lbs
Outline Drawing:	239C6200AA	**Time Rating:**	CONT
Connection Diagram:	GEM2034E-FIG7	**Enclosure:**	TEFC
Instruction Book:	GEI-56128	**Encl Construction:**	X$D
Design Code:	36BD1230A	**Ambient Max(°C):**	40
Type:	KGS	**Alt Ambient Max(°C):**	--
Frame:	364T	**Insulation Class:**	H
Phases:	3	**NEMA Design:**	C
Poles:	4	**Nominal Efficiency:**	95.0 %
Output Power:	60HP 44.4KW	**Guaranteed Efficiency:**	94.5 %
RPM:	1775	**3/4 Load Efficiency:**	--
Voltage:	460	**KVA Code:**	G
Hertz:	60	**Max KVAR:**	19.2
Amps - FL:	70.8	**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:5KGS364SAA208B 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 215C 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:

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: 36BD1230A**

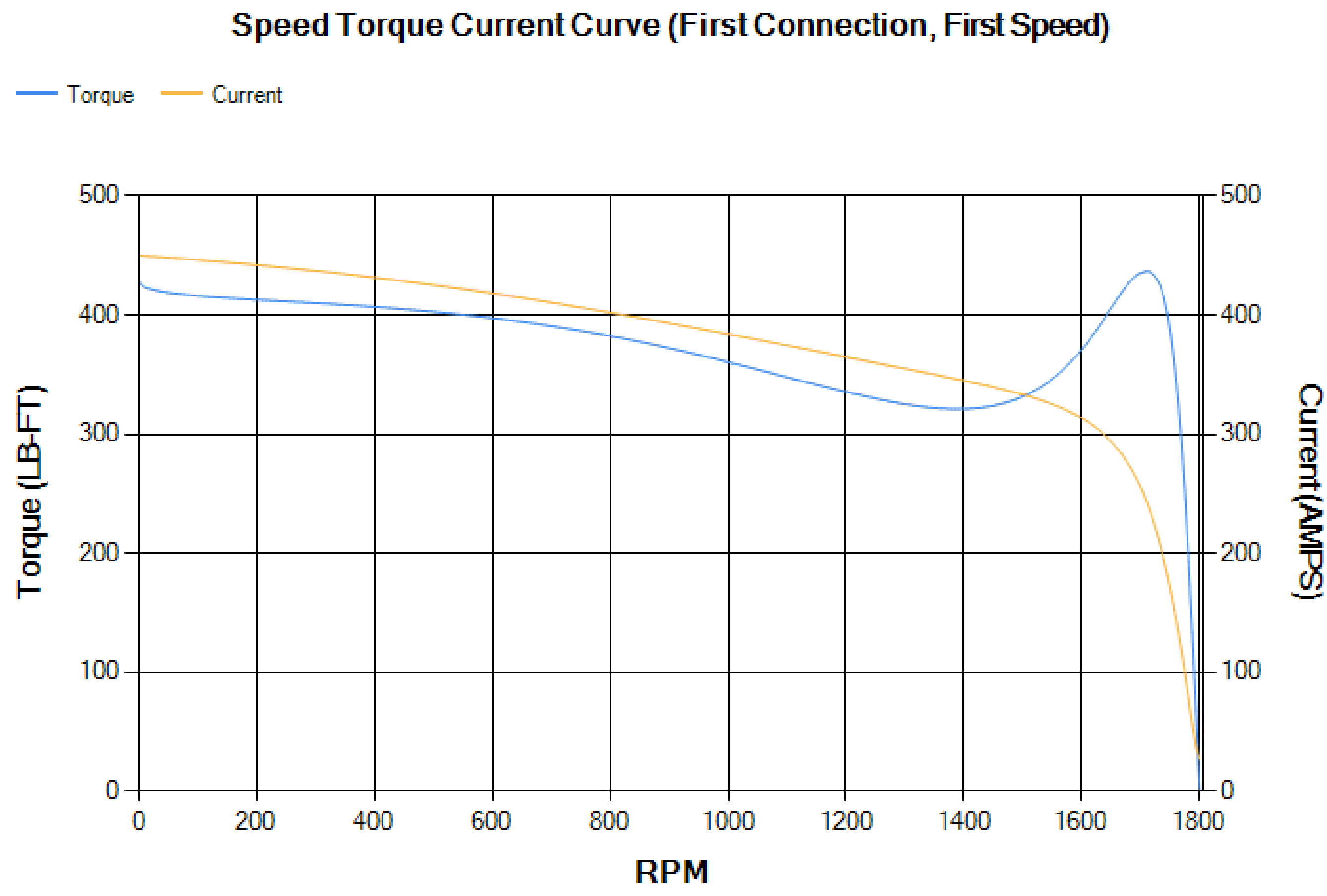
Marks:

LOAD %	**125.0**	**115.0**	**100.0**	**75.0**	**50.0**	**25.0**	**0.0**
% EFF	94.28	94.55	95.09	95.22	94.96	92.65	0.00
% PF	84.87	84.47	83.36	79.36	69.94	47.65	3.33
AMPS	87.73	80.86	70.68	55.74	42.28	31.8	26.81

TORQ(FL)#FT	177.26	**TORQ(LR)%FL**	241.48	**TORQ(BD)%FL**	245.59
AMPS(LR)	449.82	**PF AT START**	0.4		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 1085 Lb-Ft Sq (45.68 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 20 seconds. Safe stall time at 100% voltage is 44 seconds cold, 24 seconds hot. Rotor inertia is 14.62 Lb-Ft Sq (0.62 Kg-meter Sq).

Open Circuit A-C:	0.527	**Short Circuit D-C:**	0.024
Short Circuit A-C:	0.025	**X/R Ratio:**	9.028
Stator Slots:	60	**Rotor Slots:**	50

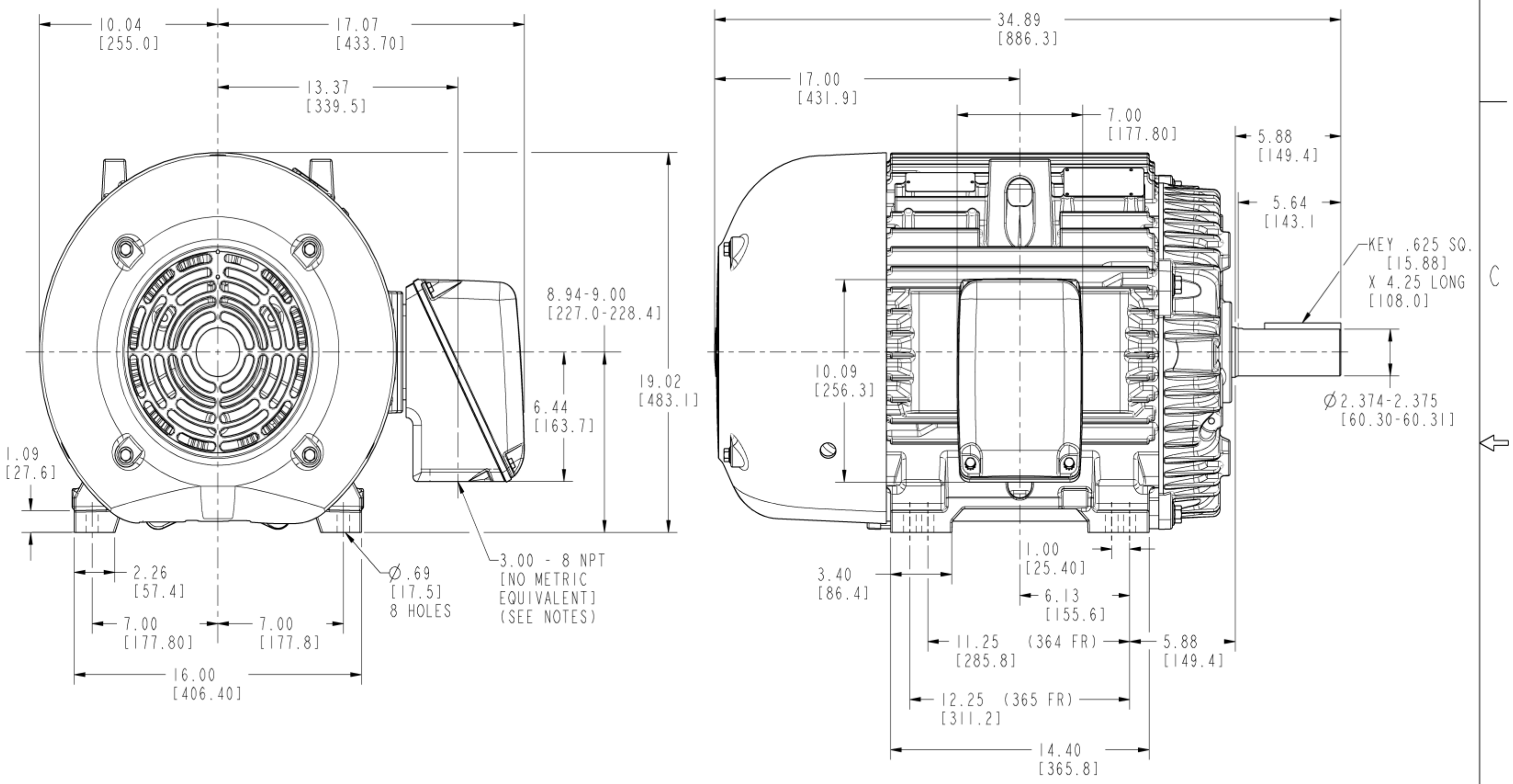


SIZE	DRAWING NO.	REV	SHEET
C	239C6200AA	005	1

PROPRIETARY INFORMATION

REVISIONS

REV.	DESCRIPTION		DATE	APPROVED
1	ISAAC 02-0273 NAGARAJ		02/02/02	
2	ISAAC 02-0707 NAGARAJ		03/14/02	
3	ISAAC 02-0787 D.E. BAIR		03/18/02	
4	ISAAC 03-2024	RAJESH KUMAR	08/06/03	
5	ISAAC# 18-0869	SREEDEVI	01/29/19	PRASHANTH



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

SIGNATURES		DATE
MODEL		
DETAIL	N.BHATT	09/15/00
CHECKED	D.E.BAIR	09/17/00
ENGRG	D.STARK	12/14/00
MFG		
QUALITY		
ISSUED	D.E.BAIR	12/14/00
SOLID MODEL: 239C6200AA		

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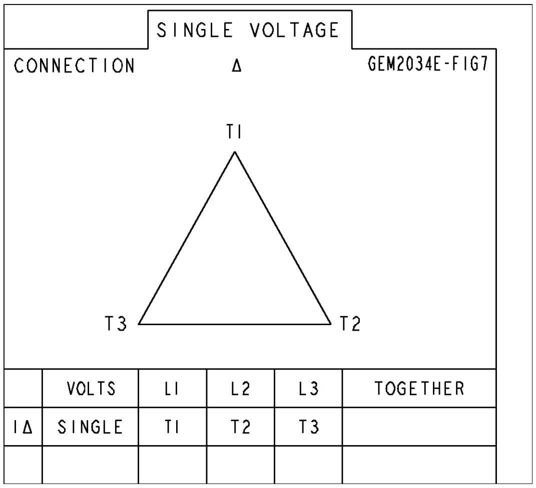
TITLE
OUTLINE
364/365T TEFC
346 CU. IN. CONDUIT BOX

SIZE	DRAWING		REV
C	239C6200AA		005
SCALE: 0.250	REF. No:	SHEET 1 OF 1	

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	