



**GE INDUSTRIAL MOTORS**  
a **WOLONG** company

# Product Technical Information

June 22, 2020

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

<b>Model Number:</b>	<b>5KS326SAA304D9</b>
<b>Catalog Number:</b>	<b>M9834</b>
<b>Instruction Manual:</b>	GEI-56128
<b>Connection Diagram:</b>	GEM2034E-FIG7
<b>Outline Drawing:</b>	239C6000AE

## Accessory Connection Diagrams

<b>Bearing Thermocouple:</b>	None	<b>Heater:</b>	None
<b>RTD:</b>	None	<b>Thermistor:</b>	None
<b>Thermostat:</b>	None	<b>Winding Thermocouple:</b>	None
<b>Bearing RTD:</b>	None		

## Table of Contents

Specification	01
Performance Characteristics	02
Outline Drawing	03
Connection Drawing(s)	04
Spare parts	05

Marks:

<b>MODEL NUMBER:</b>	<b>5KS326SAA304D9</b>	<b>Estimated Weight:</b>	670 Lbs
<b>Outline Drawing:</b>	239C6000AE	<b>Time Rating:</b>	CONT
<b>Connection Diagram:</b>	GEM2034E-FIG7	<b>Enclosure:</b>	TEFC
<b>Instruction Book:</b>	GEI-56128	<b>Encl Construction:</b>	X\$D
<b>Design Code:</b>	32BD3101B	<b>Ambient Max(°C):</b>	40
<b>Type:</b>	KS	<b>Alt Ambient Max(°C):</b>	65
<b>Frame:</b>	326T	<b>Insulation Class:</b>	H
<b>Phases:</b>	3	<b>NEMA Design:</b>	B
<b>Poles:</b>	6	<b>Nominal Efficiency:</b>	93.0 %
<b>Output Power:</b>	30HP 22.2KW	<b>Guaranteed Efficiency:</b>	92.4 %
<b>RPM:</b>	1180	<b>3/4 Load Efficiency:</b>	--
<b>Voltage:</b>	575	<b>KVA Code:</b>	G
<b>Hertz:</b>	60	<b>Max KVAR:</b>	12.7
<b>Amps - FL:</b>	31.0	<b>Power Factor:</b>	78.0
<b>Service Factor:</b>	1.25	<b>Bearing - DE:</b>	6312ZC3
<b>Alt Service Factor:</b>	1.00	<b>Bearing - ODE:</b>	6312ZC3

Enclosure is Totally Enclosed Fan-Cooled

---

Stamped Nameplate Notes:

SF AMPS 37.9  
 STAMP NP249A5564P051 AS BELOW:  
 MODEL:5KS326SAA304D9 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 280C AT 1.25SF 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 4-60 HZ, CHP 60-90 HZ.

Additional Information:

6P - T EXTN  
 346 CU IN - 3.00" NPT  
 OIL RESISTANT SLEEVING ON LEADS  
 F1 MOUNTING



**Performance Characteristics**

1st Winding 1st Connection

**Design: 32BD3101B**

**Marks:**

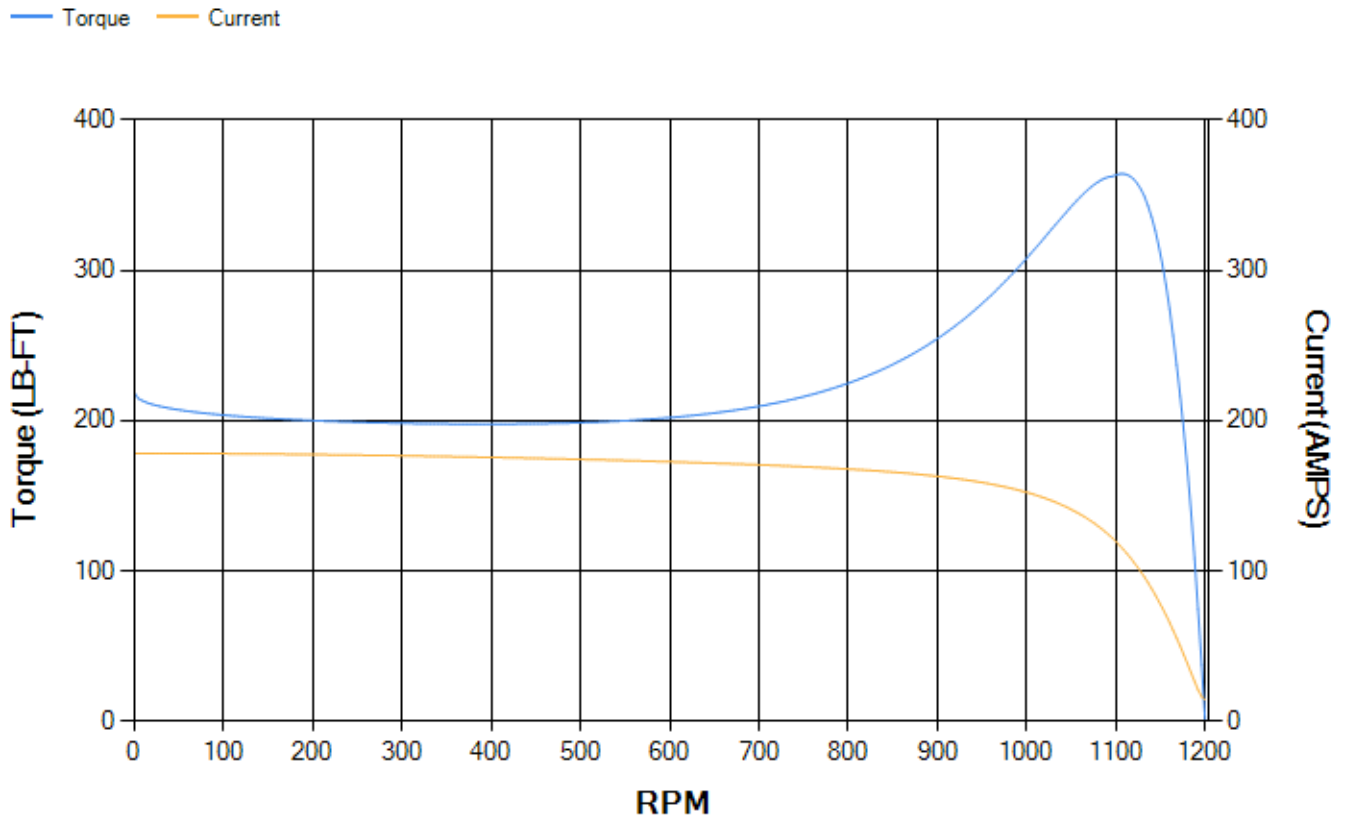
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	91.98	92.36	93.04	93.27	92.86	89.55	0.00
% PF	80.52	79.78	78.03	72.51	61.27	39.37	3.83
AMPS	37.91	35.05	30.92	24.91	19.74	15.93	14.17

<b>TORQ(FL)#FT</b>	133.58	<b>TORQ(LR)%FL</b>	163.48	<b>TORQ(BD)%FL</b>	270.39
<b>AMPS(LR)</b>	178.31	<b>PF AT START</b>	0.33		

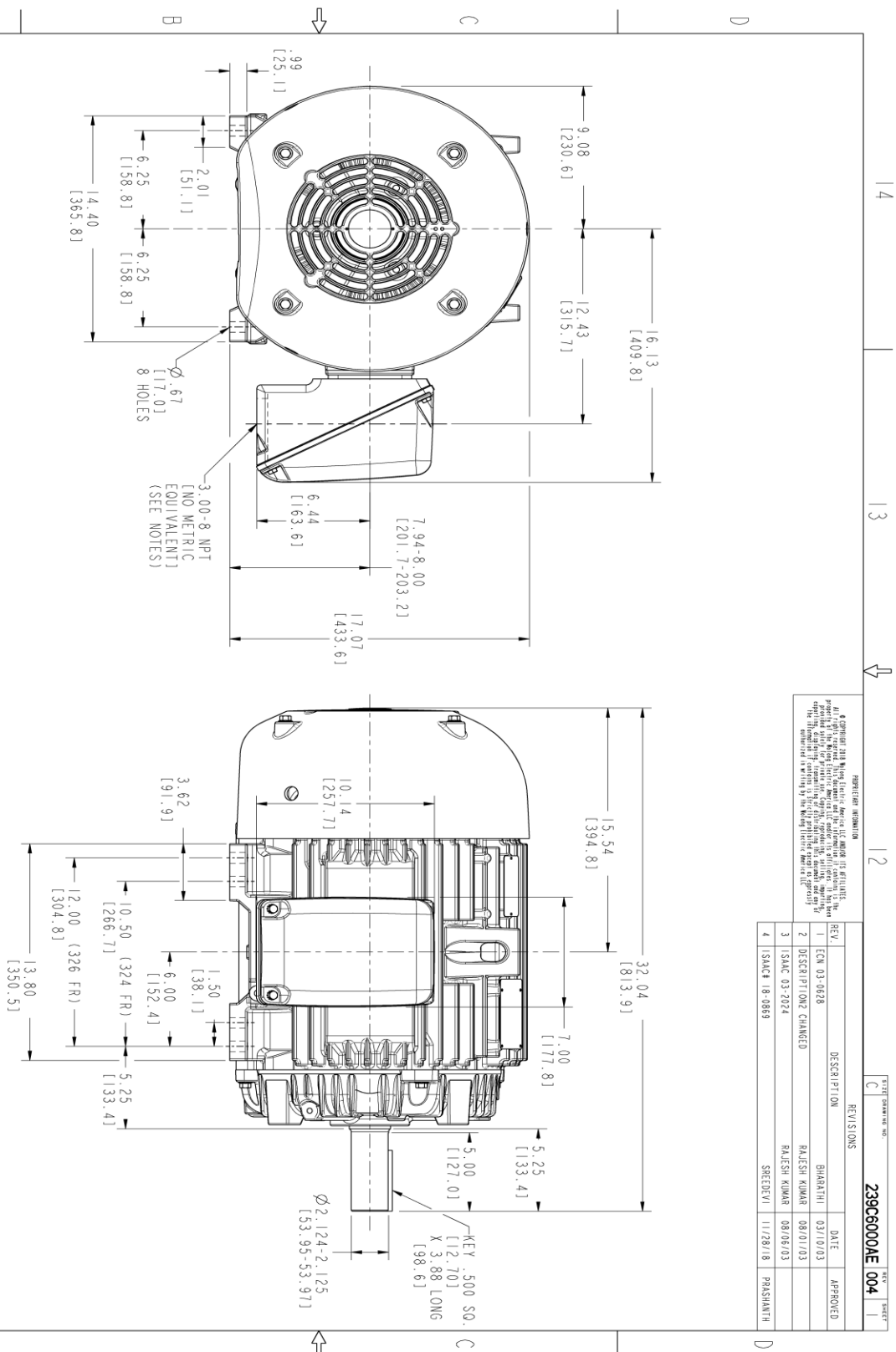
This motor is capable of two cold or one hot start with a maximum connected load inertia of 2281 Lb-Ft Sq (96.03 Kg-meter Sq) at 100% voltage, where the load torque varies with the square of the speed. Acceleration time with maximum inertia and the above load type is 47 seconds. Safe stall time at 100% voltage is 100 seconds cold, 57 seconds hot. Rotor inertia is 9.29 Lb-Ft Sq (0.39 Kg-meter Sq).

<b>Open Circuit A-C:</b>	0.311	<b>Short Circuit D-C:</b>	0.017
<b>Short Circuit A-C:</b>	0.02	<b>X/R Ratio:</b>	6.438
<b>Stator Slots:</b>	54	<b>Rotor Slots:</b>	40

**Speed Torque Current Curve (First Connection, First Speed)**



Marks:



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).

REGISTRATION INFORMATION  
 I am a registered Professional Engineer in the State of Florida, License No. 12456. I am a member of the Florida Board of Professional Engineers, License No. 12456. I am a member of the Florida Board of Professional Engineers, License No. 12456. I am a member of the Florida Board of Professional Engineers, License No. 12456.

REV.	DESCRIPTION	DATE	APPROVED
1	ECN 03-0628	03/10/03	BHARATHI
2	DESCRIPTION CHANGED	08/01/03	RAJESH KUMAR
3	ISAC 03-2024	08/08/03	RAJESH KUMAR
4	ISAC# 18-0869	11/28/18	PRAASHANTH

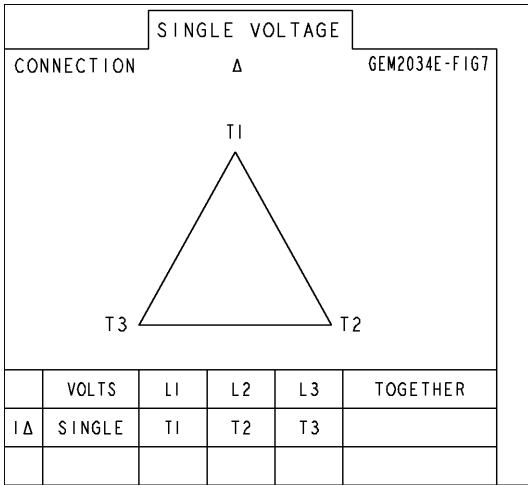


SIGNATURES	DATE
MODEL: MGRANJ	03/13/02
REVIEW: MANIVANNAN	03/13/02
DRAWN: MGRANJ	03/13/02
ISSUED: MGRANJ	03/13/02
QUALITY: MGRANJ	03/13/02

**GE INDUSTRIAL MOTORS**  
 a WOLONG company  
**OUTLINE ASSEMBLY**  
 324/326T TEFC  
 346 CU. IN. CONDUIT BOX  
**239C6000AE**  
 SCALE: 0.250  
 REF. NO.:  
 SHEET 1 OF 1

Marks:

**Connection Diagram**  
**GEM2034E-FIG7**



End shield Assembly		
Part Description	DE Side Part#	ODE Side Part#
End Shield	115E4200AA1	115E4200LA1
Bearing	235A2509AS01	235A2509AS01
Slinger/Inproseal	149C4399G04	149C4399G04

Fan & Fan Cover Assembly	
Part Description	Part#
Fan	159C7000G01
Fan Cover	128D6800AA1

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

Mechanical Accessories	
Part Description	Part#
Brake	
Tachometer	

