

# Product Information Packet

November 8, 2016

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

<b>Model Number:</b>	<b>5KS326LAA129C</b>
<b>Catalog Number:</b>	<b>M7651</b>
<b>Instruction Manual:</b>	GEI-56128
<b>Connection Diagram:</b>	GEM2034E-FIG9
<b>Outline Drawing:</b>	239CC001AB

<b>Accessory Connection Diagrams</b>			
<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		

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**Marks:**

<b>MODEL NUMBER:</b>	<b>5KS326LAA129C</b>	<b>Estimated Weight:</b>	640 Lbs
<b>Outline Drawing:</b>	239CC001AB	<b>Time Rating:</b>	CONT
<b>Connection Diagram:</b>	GEM2034E-FIG9	<b>Enclosure:</b>	TEFC
<b>Instruction Book:</b>	GEI-56128	<b>Encl Construction:</b>	SD
<b>Design Code:</b>	32BD0096A	<b>Ambient Max(°C):</b>	40
<b>Type:</b>	KS	<b>Alt Ambient Max(°C):</b>	--
<b>Frame:</b>	326TSC	<b>Insulation Class:</b>	F
<b>Phases:</b>	3	<b>NEMA Design:</b>	B
<b>Poles:</b>	2	<b>Nominal Efficiency:</b>	93.0 %
<b>Output Power:</b>	50HP 37KW	<b>Guaranteed Efficiency:</b>	91.7
<b>RPM:</b>	3560	<b>3/4 Load Efficiency:</b>	93.4
<b>Voltage:</b>	230/460	<b>KVA Code:</b>	G
<b>Hertz:</b>	60	<b>Max KVAR:</b>	17.2
<b>Amps - FL:</b>	119.8/59.9	<b>Power Factor:</b>	84.0
<b>Service Factor:</b>	1.15	<b>Bearing - DE:</b>	6210ZC3S0
<b>Alt Service Factor:</b>	--	<b>Bearing - ODE:</b>	6210ZC3S0

**Enclosure is Totally Enclosed Fan-Cooled**

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**Stamped Nameplate Notes:**

INVERTER DUTY PER NEMA MG1 PART 31  
 ALTERNATE RATING FOR PWM CONTROL:1.0SF 40C AMBIENT  
 VAR TORQUE RANGE 0-60 HZ

**Additional Information:**

2P - TS EXTN  
 C FACE WITH 12.50 RABBIT ON DE  
 346 CU IN - 3.00" NPT  
 OIL RESISTANT SLEEVING ON LEADS  
 HEAT STABILIZED BEARINGS  
 F1 MOUNTING  
 VIBRATION LIMIT 0.15 INCH PER SEC

**Performance Characteristics**

1st Winding 1st Connection

**Design: 32BD0096A**

**Marks:**

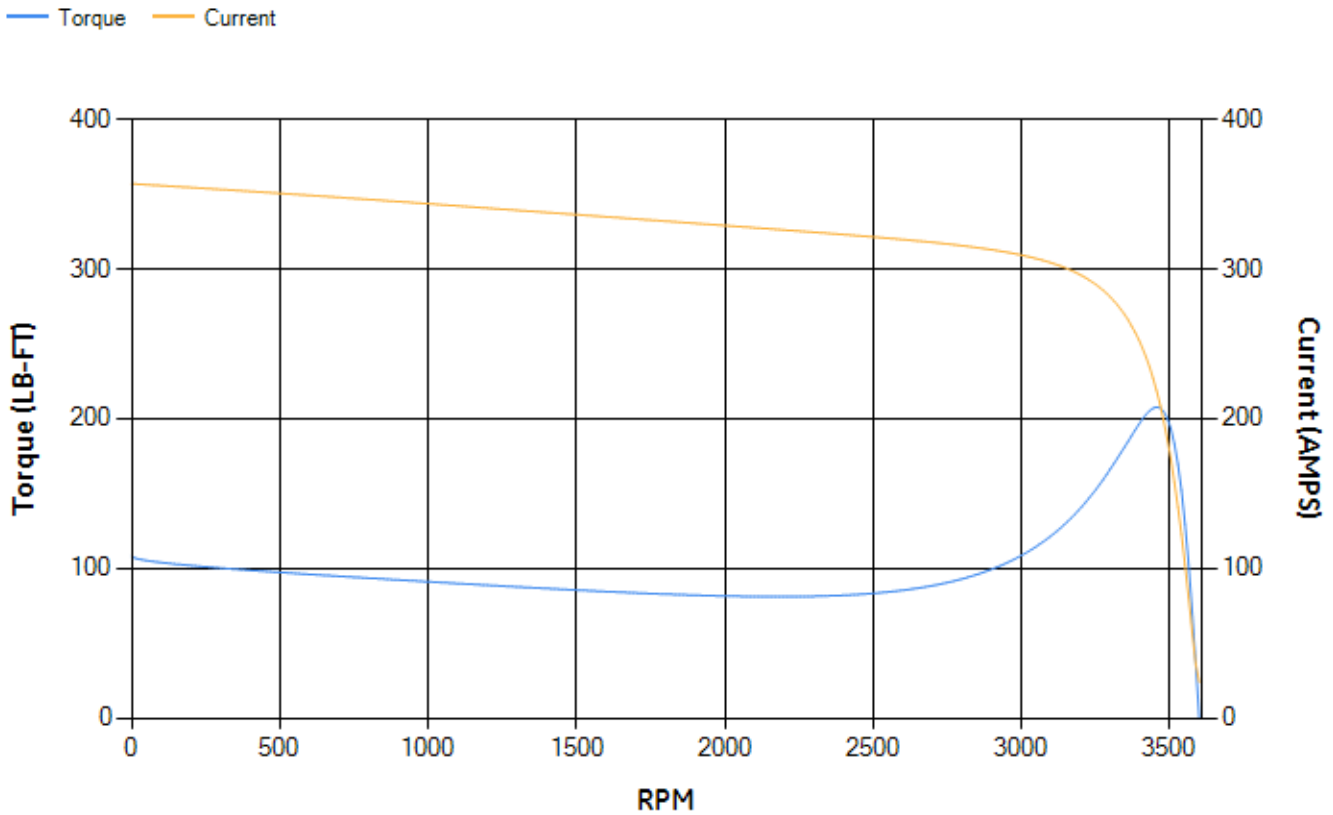
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	92.68	92.95	93.45	93.4	92.66	88.81	0.00
% PF	86.09	85.52	84.14	79.66	69.69	47.35	5.2
AMPS	73.31	67.7	59.44	47.17	36.23	27.82	23.86

TORQ(FL)#FT	73.69	TORQ(LR)%FL	146.76	TORQ(BD)%FL	281.7
AMPS(LR)	356.97	PF AT START	0.29		

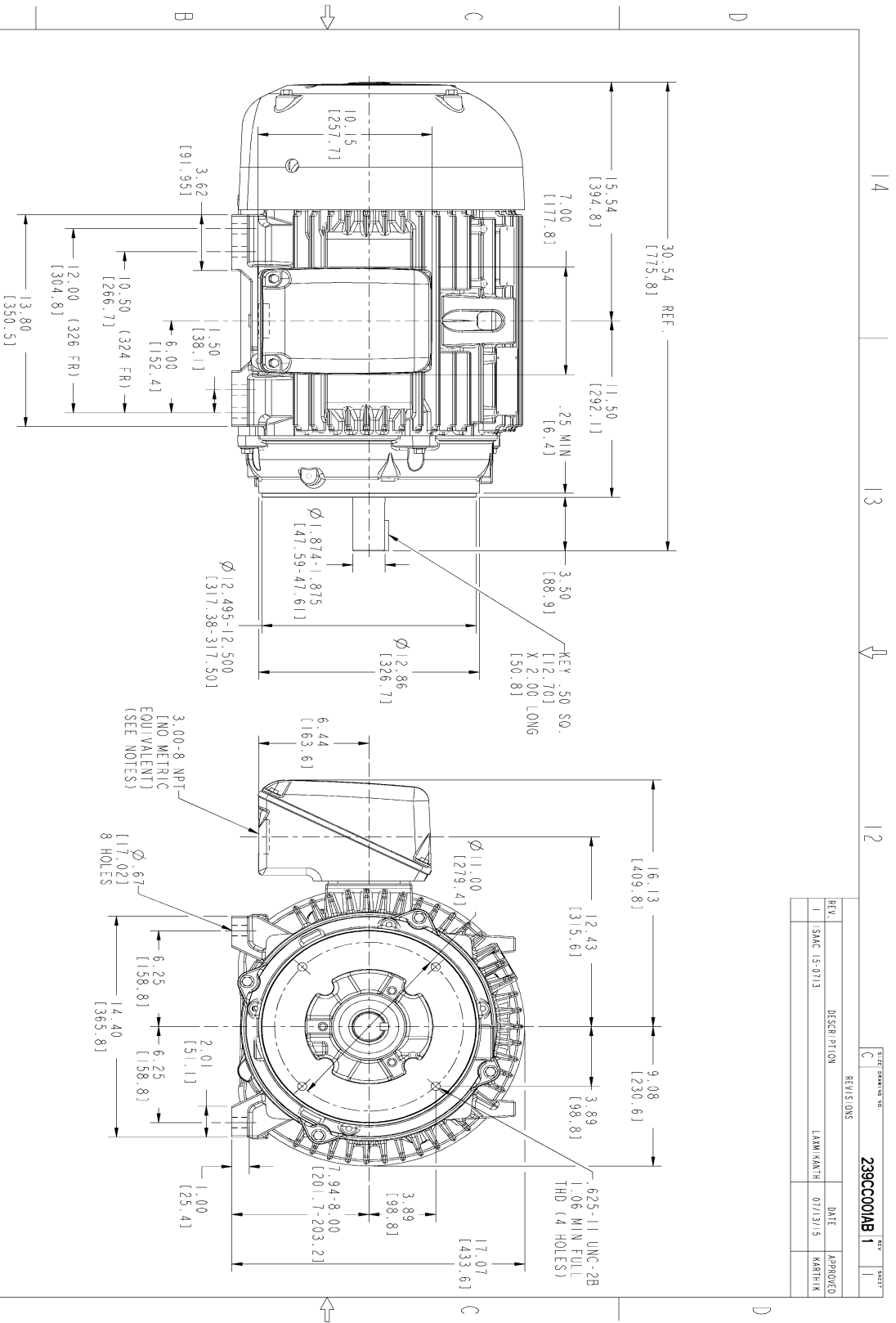
This motor is capable of two cold or one hot start with a maximum connected load inertia of 103 Lb-Ft Sq (4.34 Kg-meter Sq)at 100% voltage, where the load torque varies with the square of the speed. Acceleration time with maximum inertia and the above load type is 16 seconds. Safe stall time at 100% voltage is 44 seconds cold, 20 seconds hot. Rotor inertia is 3.51 Lb-Ft Sq (0.15 Kg-meter Sq).

Open Circuit A-C:	0.598	Short Circuit D-C:	0.018
Short Circuit A-C:	0.038	X/R Ratio:	6.641
Stator Slots:	48	Rotor Slots:	38

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



Marks:



- 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).

REV. 1		DATE	
DESCRIPTION		APPROVED	
REVISIONS		KARHIK	
239CC001AB		07/13/15	

MODEL	5S2Z110	DATE	05/21/10
REV	05/21/10	DESIGNED BY	ADIRYANK
DATE	05/21/10	CHECKED BY	
DESIGN		DATE	
SCALE	0.250	REV	1

**GENERAL ELECTRIC COMPANY**

**OUTLINE**

**324/326 TSC TEFC Esp**

**346 CU IN CONDUIT BOX**

**239CC001AB**

SHEET 1 OF 1

Marks:

**Connection Diagram**  
**GEM2034E-FIG9**

