

# Product Information Packet

November 9, 2016

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

<b>Model Number:</b>	<b>5KS326STE205A</b>
<b>Catalog Number:</b>	<b>M7736</b>
<b>Instruction Manual:</b>	GEI-M1031
<b>Connection Diagram:</b>	GEM2034E-FIG210
<b>Outline Drawing:</b>	358B6274AC

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

**Marks:**

<b>MODEL NUMBER:</b>	<b>5KS326STE205A</b>	<b>Estimated Weight:</b>	750 Lbs
<b>Outline Drawing:</b>	358B6274AC	<b>Time Rating:</b>	CONT
<b>Connection Diagram:</b>	GEM2034E-FIG210	<b>Enclosure:</b>	TEFC
<b>Instruction Book:</b>	GEI-M1031	<b>Encl Construction:</b>	SD
<b>Design Code:</b>	32AD1010A	<b>Ambient Max(°C):</b>	40
<b>Type:</b>	KS	<b>Alt Ambient Max(°C):</b>	--
<b>Frame:</b>	326T	<b>Insulation Class:</b>	F
<b>Phases:</b>	3	<b>NEMA Design:</b>	A
<b>Poles:</b>	4	<b>Nominal Efficiency:</b>	94.5 %
<b>Output Power:</b>	50HP 37KW	<b>Guaranteed Efficiency:</b>	93.6
<b>RPM:</b>	1780	<b>3/4 Load Efficiency:</b>	94.6
<b>Voltage:</b>	230/460	<b>KVA Code:</b>	J
<b>Hertz:</b>	60	<b>Max KVAR:</b>	13.0
<b>Amps - FL:</b>	115.8/57.9	<b>Power Factor:</b>	85.5
<b>Service Factor:</b>	1.15	<b>Bearing - DE:</b>	6312
<b>Alt Service Factor:</b>	--	<b>Bearing - ODE:</b>	6212

**Enclosure is Totally Enclosed Fan-Cooled**

---

**Stamped Nameplate Notes:**

LRA: 892.2/446.1

50HZ DATA:40 HP,200/400V,123.2/61.6 AMPS @ 1.15 SF

50HZ DATA:50 HP,200/400V,133.2/66.6 AMPS @ 1.00 SF

GREASE TYPE: EXXON POLYREX EM

**Additional Information:**

CONDUIT BOX MATERIAL: CAST IRON

SUITABLE FOR USE IN CLASS I DIVISION 2 LOCATIONS

CLASS I DIVISION 2 GROUPS A,B,C,D T3C

CLASS I ZONE 2 IIC T3C



**Performance Characteristics**

1st Winding 1st Connection

**Design: 32AD1010A**

Marks:

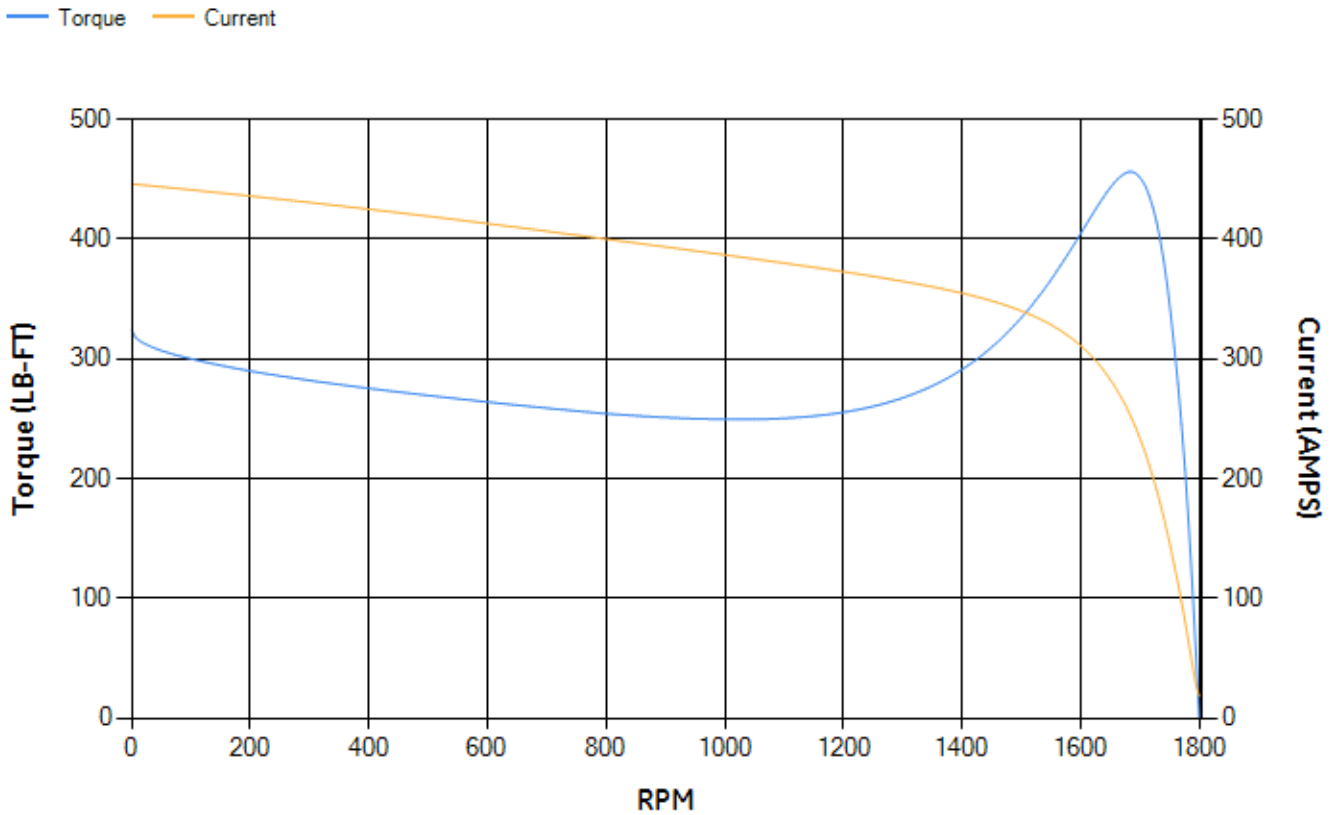
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	93.88	94.14	94.62	94.6	94.03	90.9	0.00
% PF	86.25	86.19	85.67	83.05	75.84	55.77	5.72
AMPS	72.24	66.33	57.73	44.67	32.81	23.08	18.03

<b>TORQ(FL)#FT</b>	147.59	<b>TORQ(LR)%FL</b>	219.53	<b>TORQ(BD)%FL</b>	308.23
<b>AMPS(LR)</b>	446.08	<b>PF AT START</b>	0.32		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 1366 Lb-Ft Sq (57.51 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 33 seconds. Safe stall time at 100% voltage is 63 seconds cold, 40 seconds hot. Rotor inertia is 10.04 Lb-Ft Sq (0.42 Kg-meter Sq).

<b>Open Circuit A-C:</b>	0.711	<b>Short Circuit D-C:</b>	0.023
<b>Short Circuit A-C:</b>	0.027	<b>X/R Ratio:</b>	8.696
<b>Stator Slots:</b>	48	<b>Rotor Slots:</b>	40

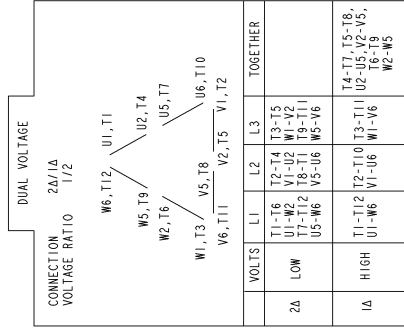
**Speed Torque Current Curve (First Connection, First Speed)**





Marks:

**Connection Diagram**  
**GEM2034E-FIG210**



NAME:501452353 OBJECT:GEM2034E-FIG210 DATE:25-Feb-08 14:03:35