

# Product Information Packet

November 9, 2016

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

<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>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>	93.3
<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**

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**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	92.37	93.04	93.28	92.86	89.55	0.00
% PF	80.53	79.8	78.04	72.53	61.29	39.39	3.83
AMPS	37.91	35.05	30.91	24.9	19.73	15.92	14.16

**TORQ(FL)#FT** 133.58  
**AMPS(LR)** 178.31

**TORQ(LR)%FL** 163.49  
**PF AT START** 0.33

**TORQ(BD)%FL** 270.4

This motor is capable of two cold or one hot start with a maximum connected load inertia of 2280 Lb-Ft Sq (95.99 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 9.38 Lb-Ft Sq (0.39 Kg-meter Sq).

**Open Circuit A-C:** 0.311

**Short Circuit D-C:** 0.017

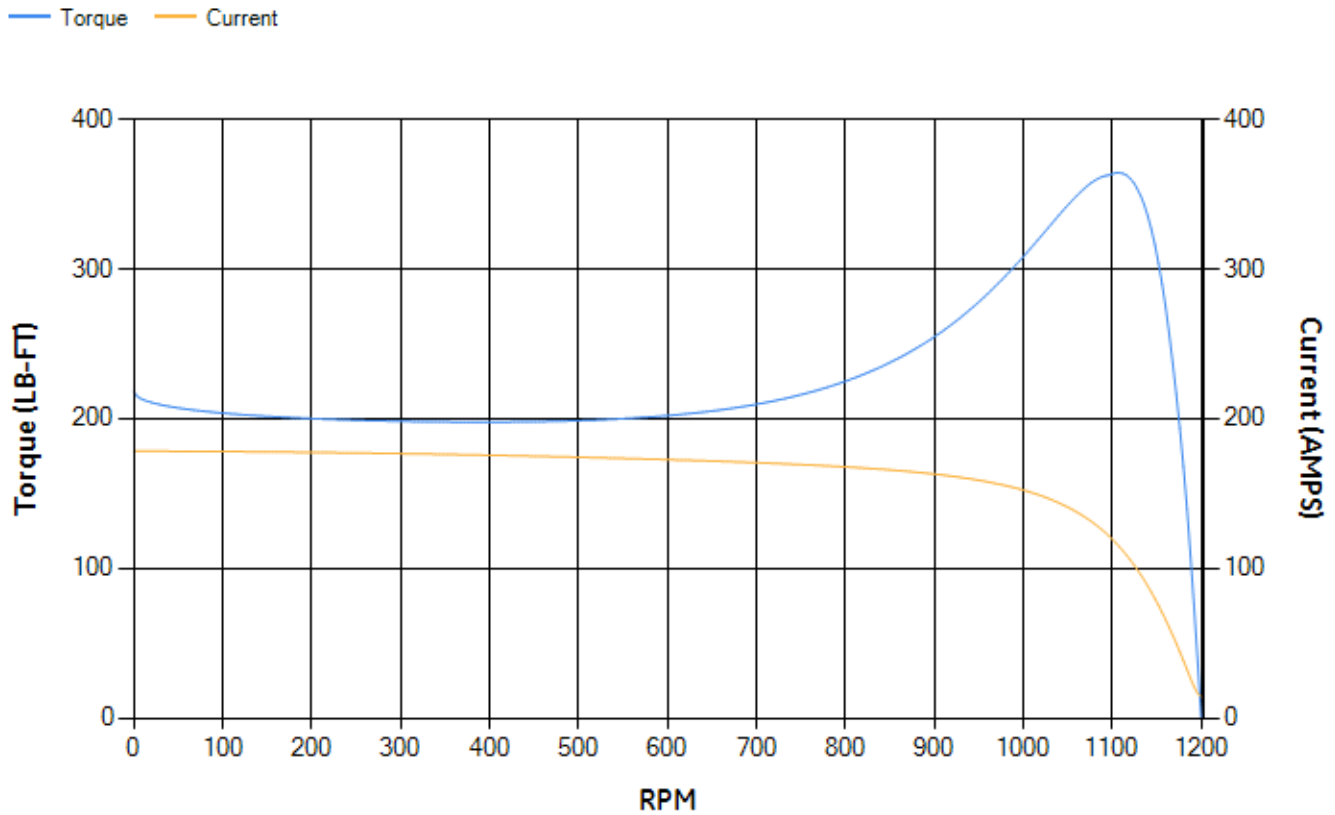
**Short Circuit A-C:** 0.02

**X/R Ratio:** 6.438

**Stator Slots:** 54

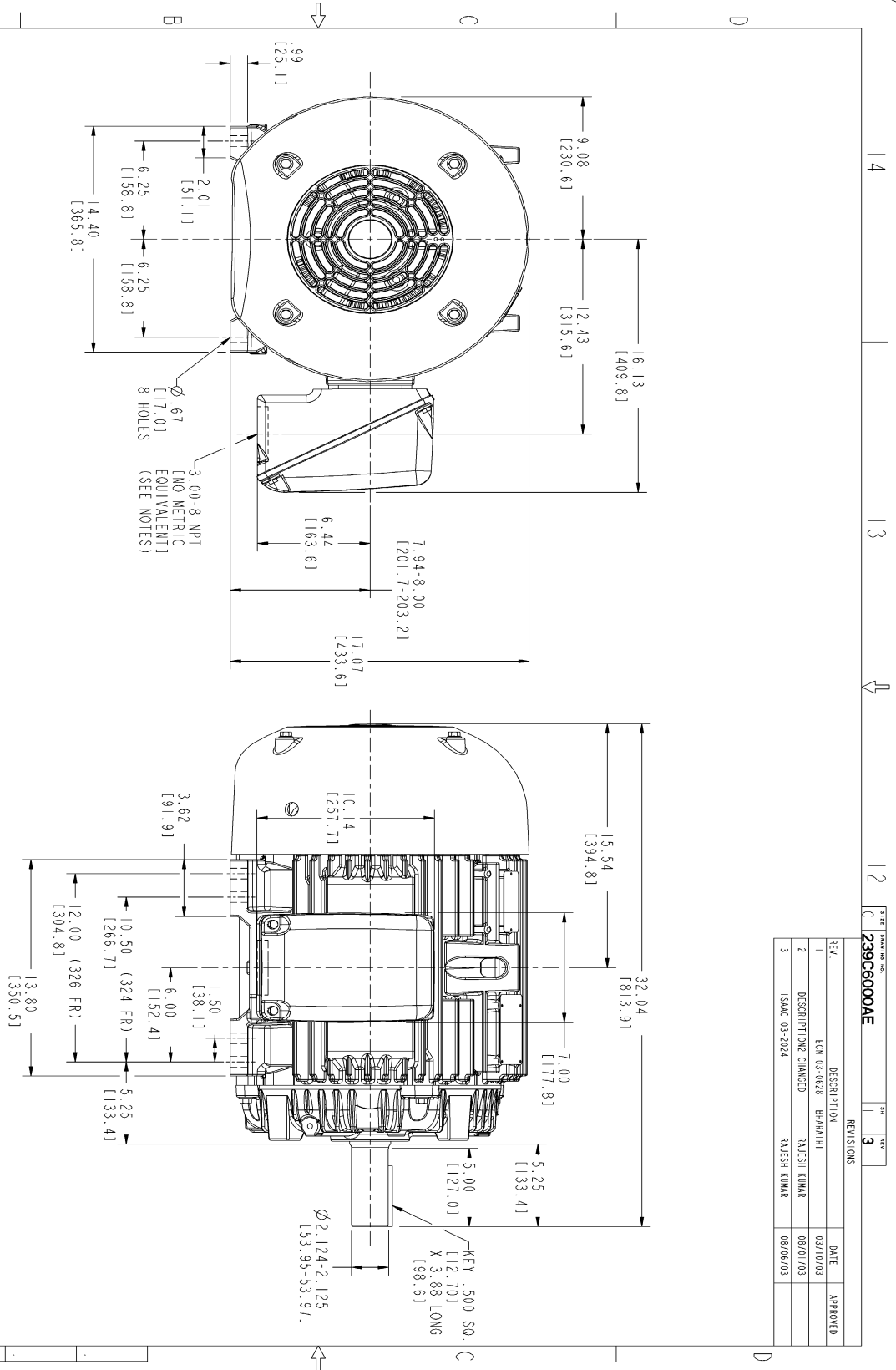
**Rotor Slots:** 40

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



NAME: 103016807 OBJECT: 239C6000AE DATE: 07-Aug-03 23:25:11

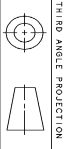
Marks:



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.	DESCRIPTION	DATE	APPROVED
1	EQM 03-0628 BHARATHI	03/10/03	
2	DESCRIPTION CHANGED	08/01/03	
3	ISSAC 03-2024	08/06/03	



SIGNATURES	DATE	GENERAL ELECTRIC COMPANY
DESIGNED: WABRKL 03/13/02	03/13/02	 <b>OUTLINE</b> 324/326 TERC 346 CU. IN. CONDUIT BOX 239C6000AE
DRAWN: WABRKL 03/13/02	03/13/02	
APPLIED PRACTICES		SCALE: 0.250 REF. NO.: SHEET OF 1
SHEET DRAWING		REV: 3
DISTRIBUTION: MMP		

Marks:

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



End shield Assembly		
Part Description	DE Side Part#	ODE Side Part#
End Shield	115E4200AA1	115E4200LA1
Bearing	235A2609AA01	235A2609AA01
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	