

# Product Information Packet

November 9, 2016

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

<b>Model Number:</b>	<b>5KS365LAA308D</b>
<b>Catalog Number:</b>	<b>M7956</b>
<b>Instruction Manual:</b>	GEI-56128
<b>Connection Diagram:</b>	GEM2034E-FIG1
<b>Outline Drawing:</b>	239CC200AA

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		

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**Marks:**

<b>MODEL NUMBER:</b>	<b>5KS365LAA308D</b>	<b>Estimated Weight:</b>	1000 Lbs
<b>Outline Drawing:</b>	239CC200AA	<b>Time Rating:</b>	CONT
<b>Connection Diagram:</b>	GEM2034E-FIG1	<b>Enclosure:</b>	TEFC
<b>Instruction Book:</b>	GEI-56128	<b>Encl Construction:</b>	SD
<b>Design Code:</b>	36BD3071A	<b>Ambient Max(°C):</b>	40
<b>Type:</b>	KS	<b>Alt Ambient Max(°C):</b>	--
<b>Frame:</b>	365T	<b>Insulation Class:</b>	F
<b>Phases:</b>	3	<b>NEMA Design:</b>	A
<b>Poles:</b>	6	<b>Nominal Efficiency:</b>	94.1 %
<b>Output Power:</b>	50HP 37KW	<b>Guaranteed Efficiency:</b>	93.0
<b>RPM:</b>	1185	<b>3/4 Load Efficiency:</b>	94.2
<b>Voltage:</b>	460	<b>KVA Code:</b>	G
<b>Hertz:</b>	60	<b>Max KVAR:</b>	22.3
<b>Amps - FL:</b>	63.4	<b>Power Factor:</b>	78.5
<b>Service Factor:</b>	1.15	<b>Bearing - DE:</b>	6314ZC3
<b>Alt Service Factor:</b>	--	<b>Bearing - ODE:</b>	6314ZC3

**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:**

6P - T EXTN  
 346 CU IN - 3.00" NPT  
 OIL RESISTANT SLEEVING ON LEADS  
 F1 MOUNTING  
 VIBRATION LIMIT 0.15 INCH PER SEC

**Performance Characteristics**

1st Winding 1st Connection

**Design: 36BD3071A**

Marks:

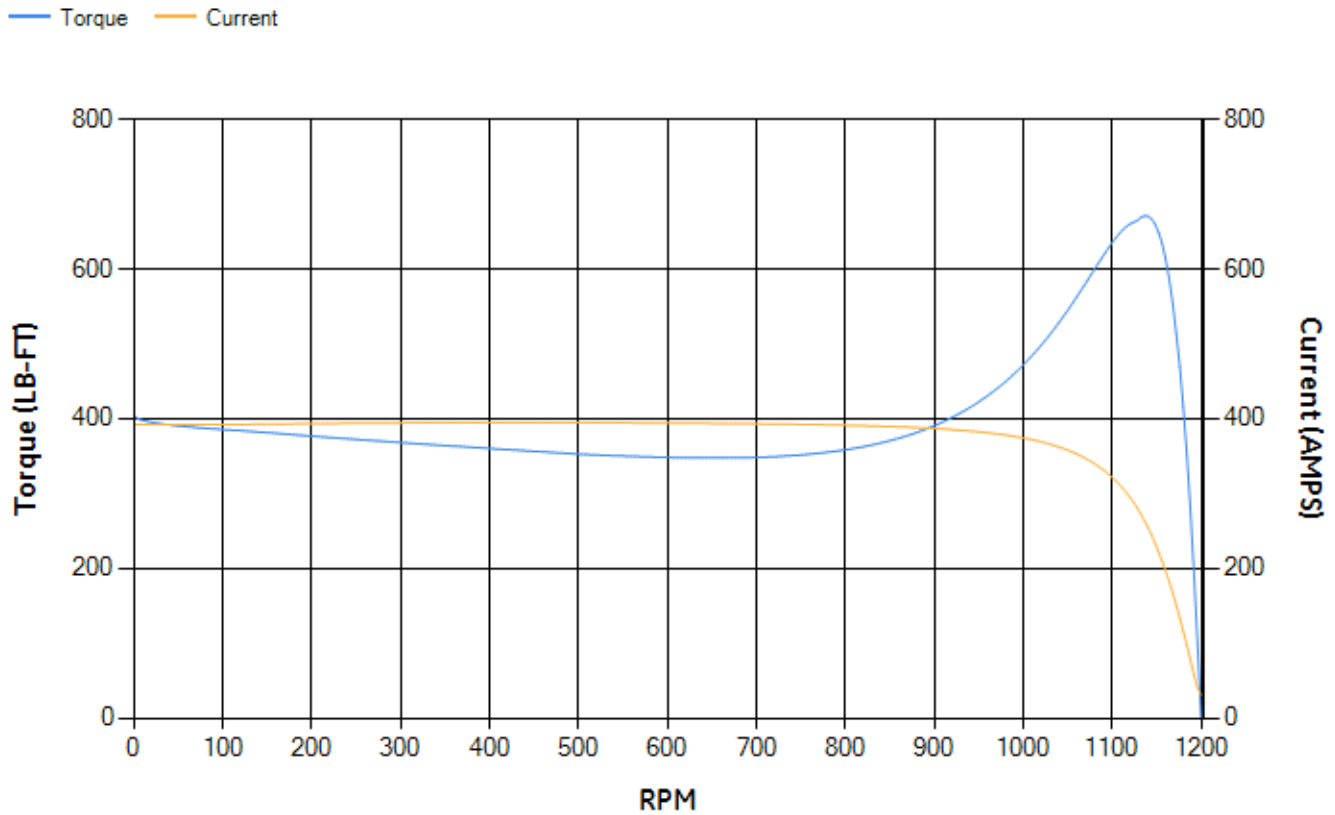
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	93.47	93.72	94.22	94.24	93.73	90.59	0.00
% PF	82.16	81.06	78.76	72.31	60.09	37.66	3.14
AMPS	76.17	70.84	62.92	51.5	41.55	34.29	30.94

<b>TORQ(FL)#FT</b>	221.16	<b>TORQ(LR)%FL</b>	183.06	<b>TORQ(BD)%FL</b>	299.28
<b>AMPS(LR)</b>	391.95	<b>PF AT START</b>	0.38		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 3081 Lb-Ft Sq (129.71 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 37 seconds. Safe stall time at 100% voltage is 91 seconds cold, 49 seconds hot. Rotor inertia is 20.26 Lb-Ft Sq (0.85 Kg-meter Sq).

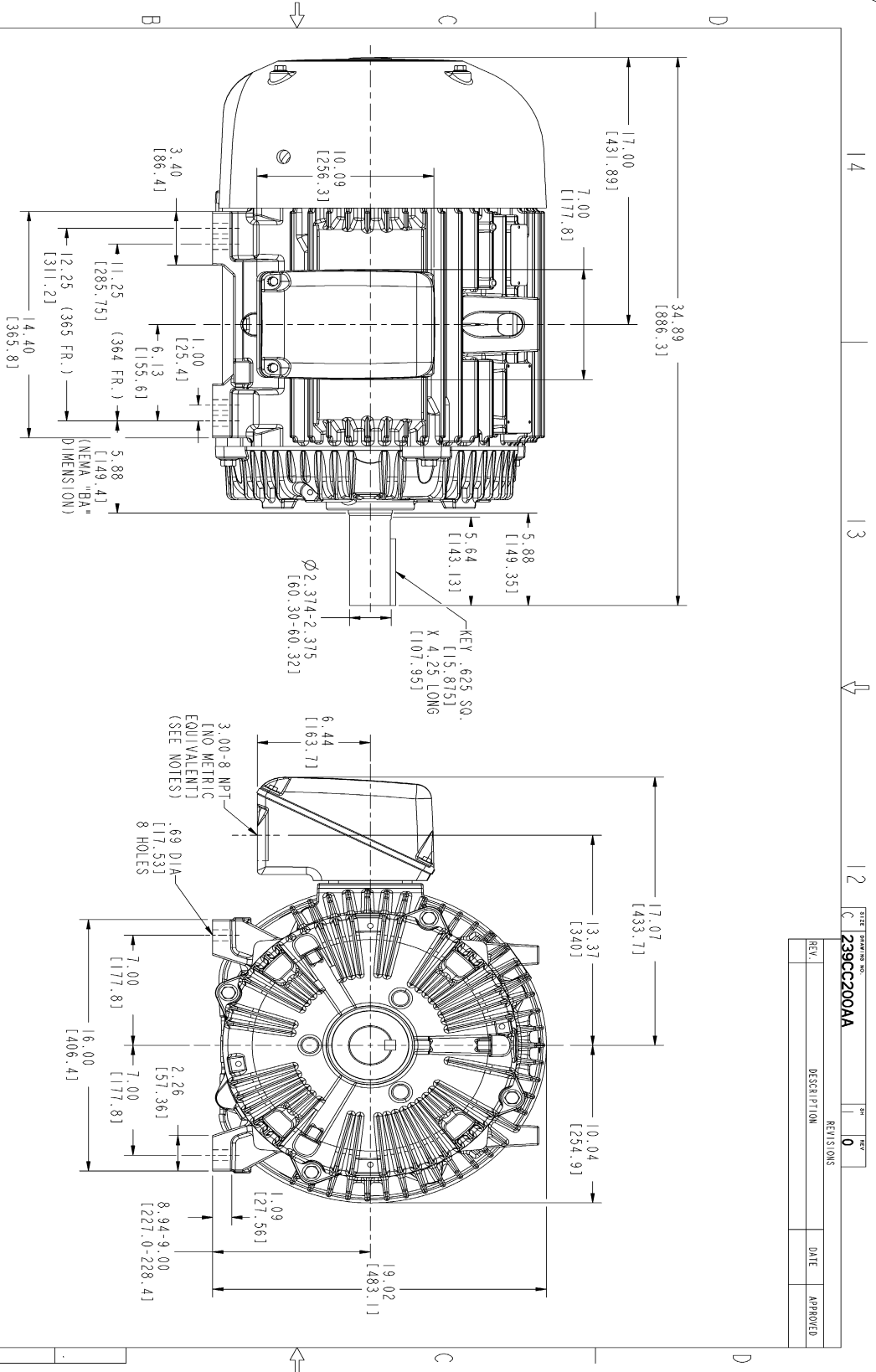
<b>Open Circuit A-C:</b>	0.449	<b>Short Circuit D-C:</b>	0.015
<b>Short Circuit A-C:</b>	0.027	<b>X/R Ratio:</b>	5.747
<b>Stator Slots:</b>	72	<b>Rotor Slots:</b>	58

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



NAME:501352727 OBJECT:239CC200AA DATE:31-Jul-07 10:42:09

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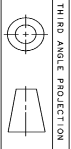


NOTES :

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

STIPULATIONS	DATE	 <b>GE Industrial Systems</b> GENERAL ELECTRIC COMPANY Fort Wayne, Indiana
DRAWN		
CHECKED		<b>OUTLINE</b> 364/365 T TERC ESP 346 CU. IN. CONDUIT BOX
ENGINEER		
ISSUED		SIZED DRAWING <b>239CC200AA</b>
APPLIED PRACTICES		
SCALE: 0.250	REF. NO.:	SHEET 1 OF 1



Marks:

**Connection Diagram**  
**GEM2034E-FIG1**

