

# Product Information Packet

April 16, 2017

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

<b>Model Number:</b>	<b>5KS444LAA114D1</b>
<b>Catalog Number:</b>	<b>M7915</b>
<b>Instruction Manual:</b>	GEI-56128
<b>Connection Diagram:</b>	GEM2034E-FIG7
<b>Outline Drawing:</b>	239CC600AB

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>5KS444LAA114D1</b>	<b>Estimated Weight:</b>	1790 Lbs
<b>Outline Drawing:</b>	239CC600AB	<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>	SD
<b>Design Code:</b>	44BD0095B	<b>Ambient Max(°C):</b>	40
<b>Type:</b>	KS	<b>Alt Ambient Max(°C):</b>	--
<b>Frame:</b>	444TS	<b>Insulation Class:</b>	F
<b>Phases:</b>	3	<b>NEMA Design:</b>	A
<b>Poles:</b>	2	<b>Nominal Efficiency:</b>	95.0 %
<b>Output Power:</b>	125HP 92.5KW	<b>Guaranteed Efficiency:</b>	94.1
<b>RPM:</b>	3580	<b>3/4 Load Efficiency:</b>	94.7
<b>Voltage:</b>	575	<b>KVA Code:</b>	G
<b>Hertz:</b>	60	<b>Max KVAR:</b>	33.6
<b>Amps - FL:</b>	113.0	<b>Power Factor:</b>	87.0
<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:**

2P - TS EXTN  
 700 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: 44BD0095B**

**Marks:**

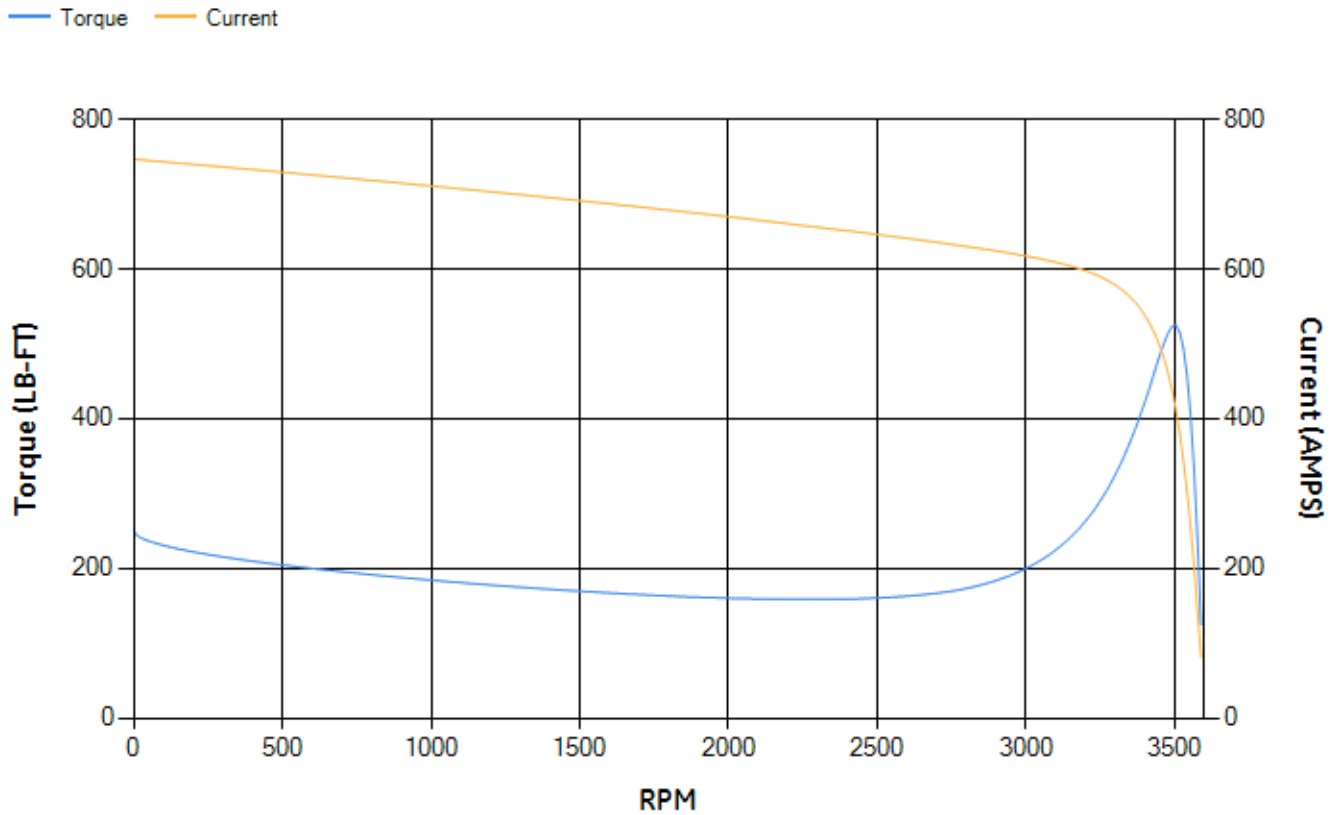
LOAD %	125.0	115.0	100.0	75.0	50.0	25.0	0.0
% EFF	94.72	94.81	95.07	94.66	93.64	89.65	0.00
% PF	88.28	88.01	87.2	84.14	76.4	55.73	6.58
AMPS	139.92	128.99	112.89	88.13	65.42	46.83	37.43

<b>TORQ(FL)#FT</b>	183.31	<b>TORQ(LR)%FL</b>	136.62	<b>TORQ(BD)%FL</b>	286.3
<b>AMPS(LR)</b>	746.68	<b>PF AT START</b>	0.19		

This motor is capable of two cold or one hot start with a maximum connected load inertia of 405 Lb-Ft Sq (17.05 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 35 seconds. Safe stall time at 100% voltage is 76 seconds cold, 42 seconds hot. Rotor inertia is 21.14 Lb-Ft Sq (0.89 Kg-meter Sq).

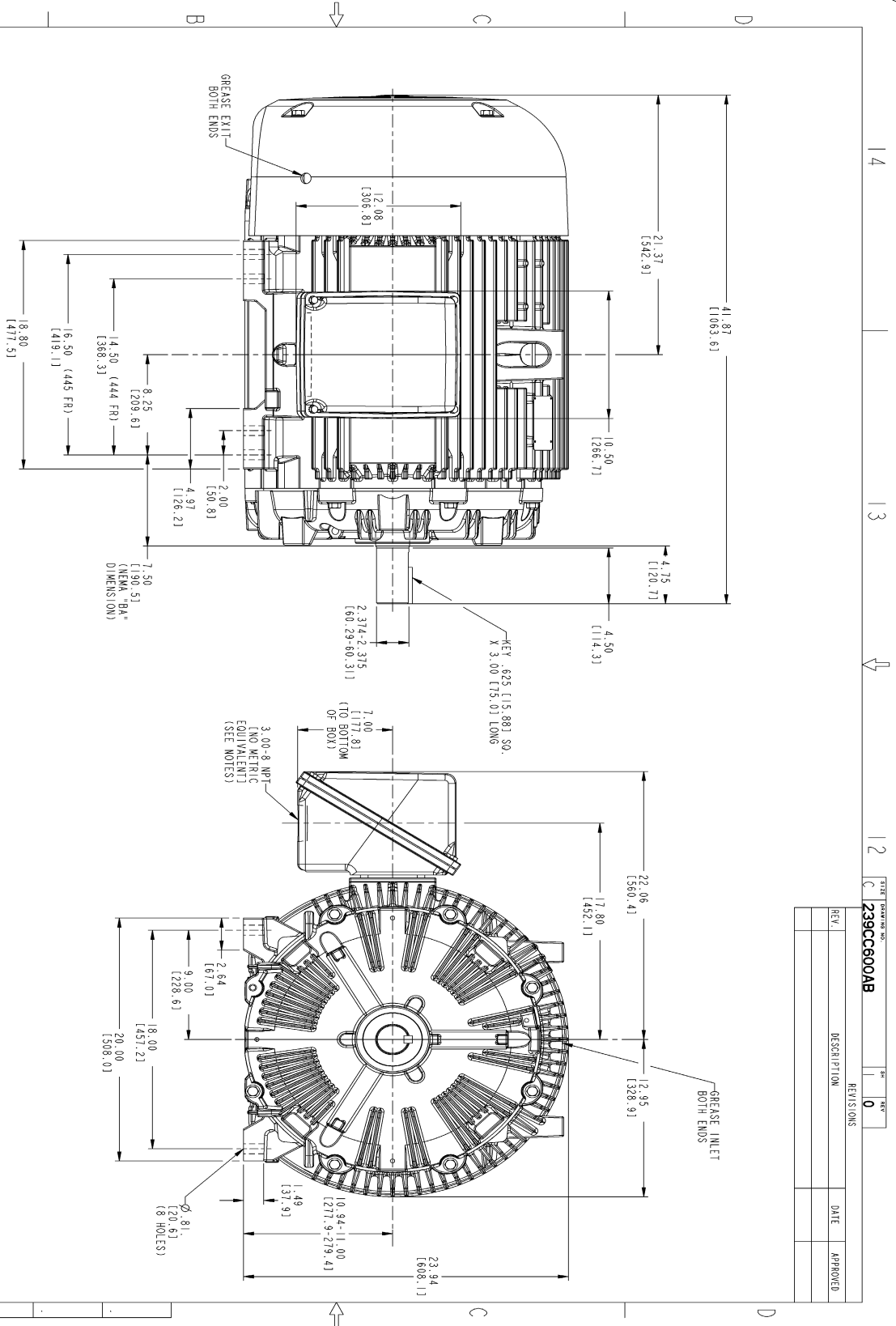
<b>Open Circuit A-C:</b>	1.403	<b>Short Circuit D-C:</b>	0.036
<b>Short Circuit A-C:</b>	0.074	<b>X/R Ratio:</b>	13.716
<b>Stator Slots:</b>	48	<b>Rotor Slots:</b>	38

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

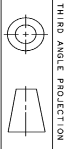


NAME:501352727 OBJECT:239CC600AB DATE:31-Jul-07 14:05:02

Marks:



- NOTES:
1. CONDUIT BOX MAY BE PLACED WITH THE ENTRANCE DOWN, UP OR ON EITHER SIDE.
  2. F-1 ASSEMBLY AS SHOWN.
  3. F-2 ASSEMBLY-CONDUIT BOX ON OPPOSITE SIDE.
  4. BRACKETED DIMENSIONS ARE METRIC (MILLIMETERS).



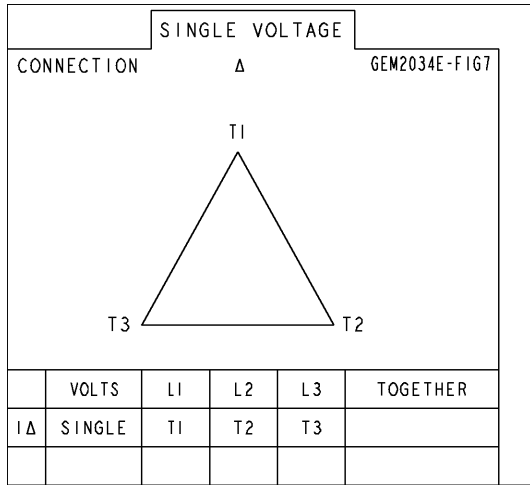
SIGNATURES	DATE	GENERAL ELECTRIC COMPANY Fort Wayne, Indiana
DESIGNED SMLAN 01/21/07	01/21/07	<b>OUTLINE</b> 444/445 TS TERC Esp 700 CU. IN. CONDUIT BOX 239CC600AB
DRAWN SMLAN 01/21/07	01/21/07	
APPLIED PRACTICES		
SIZES/DRAWING		
SCALE: 0.200	REF. NO.:	
DISTRIBUTION: MMP		

REV.	DESCRIPTION	DATE	APPROVED
0			

REV.	DESCRIPTION	DATE	APPROVED
0			

Marks:

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



End shield Assembly		
Part Description	DE Side Part#	ODE Side Part#
End Shield	115E4354AA1	115E4354LL1
Bearing	235A2616AA01	235A2616AA01
Slinger/Inproseal	149C4399G05	149C4399G05

Fan & Fan Cover Assembly	
Part Description	Part#
Fan	159C7100AA1
Fan Cover	128D6841AA1

Conduit & Accessories Box Assembly	
Part Description	Part#
Conduit Box	118D4408AD2

Mechanical Accessories	
Part Description	Part#
Brake	
Tachometer	