

# Product Information Packet

November 7, 2016

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

<b>Model Number:</b>	<b>5CD184TA094B075</b>
<b>Catalog Number:</b>	<b>D542</b>
<b>Instruction Manual:</b>	GEH-3967N
<b>Connection Diagram:</b>	36A167760CB501
<b>Outline Drawing:</b>	36A167945AA002

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
Outline Drawing	02
Connection Drawing(s)	03



Marks:

<b>MODEL NUMBER:</b>	5CD184TA094B075
<b>Outline Drawing:</b>	36A167945AA002
<b>Connection Diagram:</b>	36A167760CB501
<b>Horsepower:</b>	40
<b>Armature Volts:</b>	500
<b>Wound:</b>	SHUNT
<b>Enclosure:</b>	DPFG
<b>Duty:</b>	CONT
<b>Rating Code:</b>	184T1250-01
<b>K(V):</b>	2.54 Cemf volts/Radian/Sec
<b>K(T):</b>	1.83 Ft/Amp
<b>Minimum Ambient:</b>	0 C

<b>Enclosure Mtg Assem:</b>	36A167770BA001
<b>Instruction Book:</b>	GEH-3967N
<b>RPM:</b>	1750/2100
<b>Armature Amps:</b>	65.4
<b>Type:</b>	CD328AT
<b>Power Supply Code:</b>	D
<b>Insulation Class:</b>	F
<b>Ambient Max (°C):</b>	40 C
<b>Field Volts:</b>	300/150
<b>WK2:</b>	9.67Lb Ft <sup>2</sup>
<b>Year of Manufacture:</b>	2016
<b>Max Altitude:</b>	3300 Ft

<b><u>Resistances at 25 Degrees C :</u></b>	
<b>Shunt Field:</b>	93 OHMS
<b>Armature:</b>	.258 OHMS
<b>Commutator Field:</b>	.0764 OHMS

<b><u>Inductances:</u></b>	
<b>Armature Circuit Total:</b>	9.150 mH Saturated
<b>Shunt Field:</b>	91.0 Henries Unsaturated

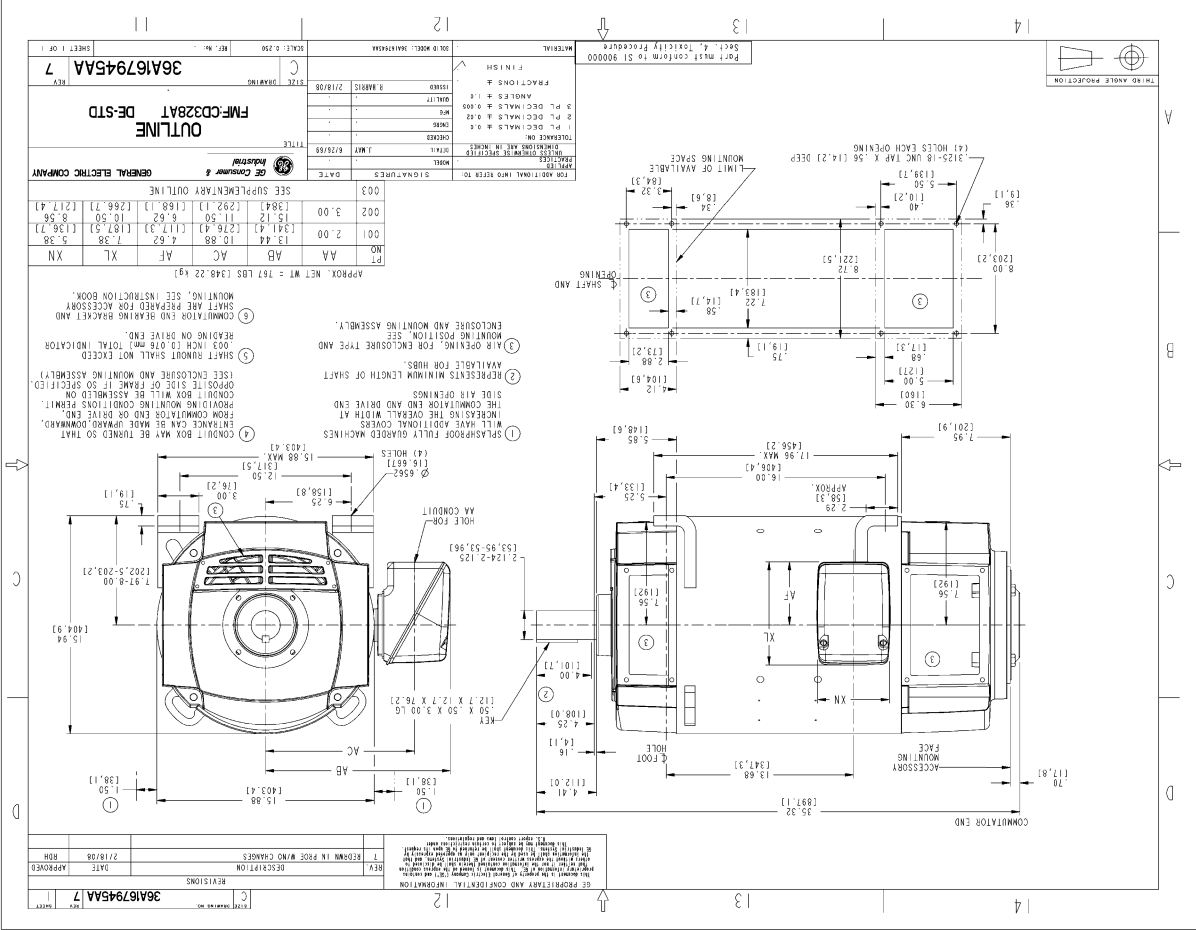
**Shunt Field Data:**

Shunt Field Current(1): 2.32 AMPS at Rated Load and 1750 RPM  
 Shunt Field Current(2): 2.06 AMPS at Rated Load and 1867 RPM  
 Shunt Field Current(3): 1.69 AMPS at Rated Load and 2100 RPM

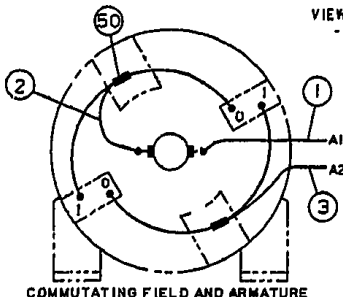
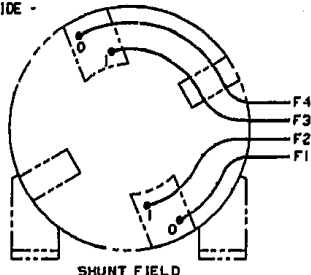
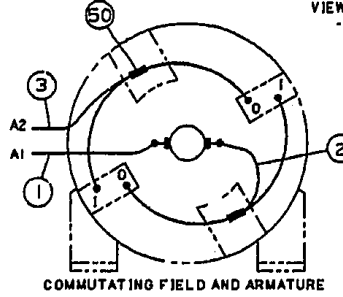
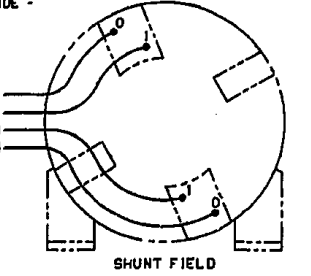
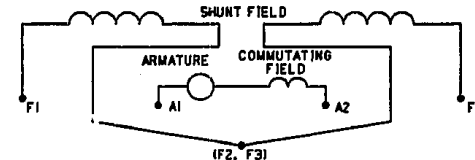
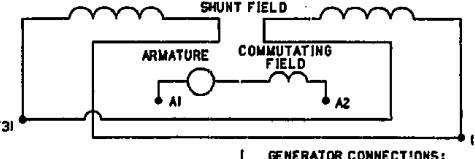
**Additional Machine Notes:**

Mark:

NAME: 20160904 SUBJECT: 36A167945AA DATE: 16FAB08 114935



Marks:

NO S.O.	GENERAL ELECTRIC	36A167760CB501	CONT ON SHEET SH NO.
REV 2	TITLE	36A167760CB501	
36A167760CB501	CONNECTION DIAGRAM		
CONT ON SHEET	SH NO.	FIRST MADE FOR 2 POLE	
DIRECT CURRENT MOTOR AND GENERATOR - SHUNT WOUND 1 OR 2 CIRCUIT SHUNT FIELD - 2 CIRCUIT COMMUTATING FIELD			
VIEWS FACING COMMUTATOR END - LEADS OUT RIGHT SIDE -			
 <p>COMMUTATING FIELD AND ARMATURE</p>		 <p>SHUNT FIELD</p>	
VIEWS FACING COMMUTATOR END - LEADS OUT LEFT SIDE -			
 <p>COMMUTATING FIELD AND ARMATURE</p>		 <p>SHUNT FIELD</p>	
<p>ALL EXTERNAL LEADS ARE MARKED. ALL CONNECTIONS AND TERMINATIONS EXTERNAL TO MAGNET FRAME MUST BE INSULATED PER NATIONAL ELECTRICAL CODE AND SOUND LOCAL PRACTICES.</p> <p>SPACE HEATERS, WHEN SPECIFIED, WILL HAVE LEADS WITH TERMINAL MARKINGS H1 AND H2.</p> <p>THERMOSTAT, WHEN SPECIFIED, WILL HAVE LEADS WITH TERMINAL MARKINGS P1 AND P2.</p> <p>ENCIRCLED NUMBERS MAY BE USED FOR PART IDENTIFICATION.</p>			
<p>FOR HIGH NAMEPLATE EXCITATION VOLTAGE CONNECT SHUNT FIELD LEADS AS INDICATED</p> <div style="display: flex; justify-content: space-around; align-items: center;">  </div>			
<p><b>MOTOR CONNECTIONS:</b> FOR CCW ROTATION FACING COMMUTATOR END, MAKE LEADS F1 AND A1 THE SAME POLARITY. FOR CW ROTATION FACING COMMUTATOR END, MAKE LEADS F1 AND A2 THE SAME POLARITY.</p>		<p><b>GENERATOR CONNECTIONS:</b> FOR CW ROTATION FACING COMMUTATOR END, F1 POSITIVE WILL MAKE A2 POSITIVE. FOR CCW ROTATION FACING COMMUTATOR END, F1 POSITIVE WILL MAKE A1 POSITIVE.</p>	
<p>FOR LOW NAMEPLATE EXCITATION VOLTAGE CONNECT SHUNT FIELD LEADS AS INDICATED</p> <div style="display: flex; justify-content: space-around; align-items: center;">  </div>			
<p><b>MOTOR CONNECTIONS:</b> FOR CCW ROTATION FACING COMMUTATOR END, MAKE LEADS (F1,F3) &amp; A1 THE SAME POLARITY. FOR CW ROTATION FACING COMMUTATOR END, MAKE LEADS (F1,F3) &amp; A2 THE SAME POLARITY.</p>		<p><b>GENERATOR CONNECTIONS:</b> FOR CW ROTATION FACING COMMUTATOR END, (F1,F3) POSITIVE WILL MAKE A2 POSITIVE. FOR CCW ROTATION FACING COMMUTATOR END, (F1,F3) POSITIVE WILL MAKE A1 POSITIVE.</p>	
2	10-11-94 R.D.BOLLA	NO S.O. RETR	QC(1) CAD
MADE BY P.HARABEDIAN	3-19-69	FILE KC13-1	GE MOTORS ERIE
RE-ISSUED CAD/ R.D.BOLLA	10-11-94	DIV OR DEPT LOCATION	36A167760CB501 CONT ON SHEET SH NO.

C5X.A.36A167760CB501R02