

Product Information Packet

November 7, 2016

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

Model Number:	5CD145VC005B055
Catalog Number:	D419
Instruction Manual:	GEH-3967N
Connection Diagram:	36A167960CA501
Outline Drawing:	36B467421AA004

Accessory Connection Diagrams			
Bearing Thermocouple:	None	Heater:	None
RTD:	None	Thermistor:	None
Thermostat:	None	Winding Thermocouple:	None
Bearing RTD:	None		

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Marks:

MODEL NUMBER: 5CD145VC005B055
Outline Drawing: 36B467421AA004
Connection Diagram: 36A167960CA501
Horsepower: 3
Armature Volts: 180
Wound: SHUNT
Enclosure: TENV
Duty: CONT
Rating Code: 145V1350-00
K(V): .94 Cemf volts/Radian/Sec
K(T): .65 Ft/Amp
Minimum Ambient: 0 C

Enclosure Mtg Assem: 36A167772GD201
Instruction Book: GEH-3967N
RPM: 1750/2050
Armature Amps: 13.9
Type: CD189ATC
Power Supply Code: K
Insulation Class: F
Ambient Max (°C): 40 C
Field Volts: 200/100
WK2: .77Lb Ft2
Year of Manufacture: 2016
Max Altitude: 3300 Ft

Resistances at 25 Degrees C :

Shunt Field: 225 OHMS
Armature: .2725 OHMS
Commutator Field: .1712 OHMS

Inductances:

Armature Circuit Total: 12.730 mH Saturated
Shunt Field: 155.0 Henries Unsaturated

Shunt Field Data:

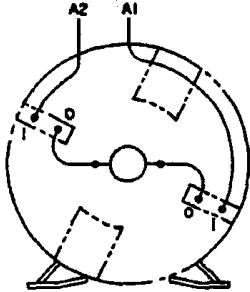
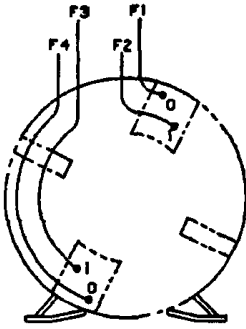
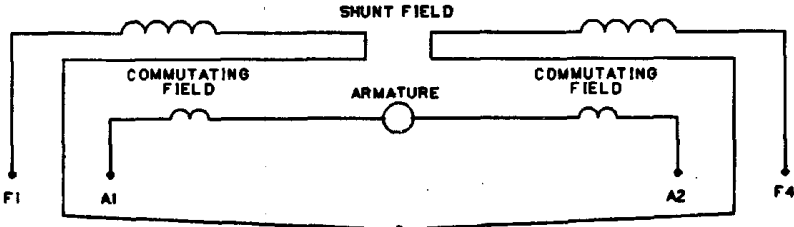
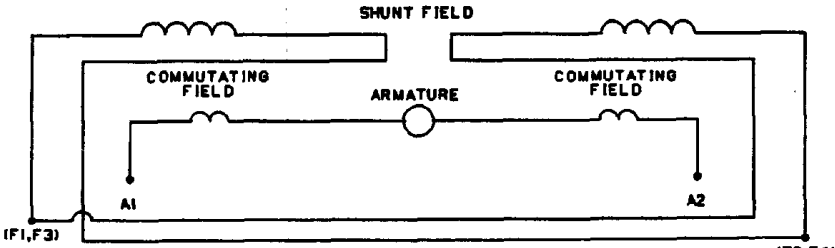
Shunt Field Current(1): .63 AMPS at Rated Load and 1750 RPM
 Shunt Field Current(2): .56 AMPS at Rated Load and 1850 RPM
 Shunt Field Current(3): .46 AMPS at Rated Load and 2050 RPM

Additional Machine Notes:

TOTALLY ENCLOSED NON VENTILATED - BALL BEARINGS
 STANDARD SHAFT DRIVE END ONLY - WITH FEET
 WITH:
 CSA STAMP
 THERMOSTAT- NORMALLY CLOSED, AC RATING- 600V MAX-
 .5A, 250V-1.5A, OR 125V-3A, DC RATING- 30V MAX-
 1.5A. MAXIMUM CURRENT BASED ON INDUCTIVE LOADS UP
 TO AND INCLUDING NEMA NO.5 CONTACTOR.



Marks:

NO S.O.	GENERAL ELECTRIC	36A167960CA501 CONT ON SHEET	SH NO.
REV 1 36A167960CA501 CONT ON SHEET	TITLE CONNECTION DIAGRAM		
SH NO.	FIRST MADE FOR 180AT 2 POLE		
DIRECT CURRENT MOTOR AND GENERATOR - SHUNT WOUND 1 OR 2 CIRCUIT SHUNT FIELD, 1 CIRCUIT COMMUTATING FIELD			
VIEWS FACING COMMUTATOR END			
 <p>COMMUTATING FIELD AND ARMATURE</p>	 <p>SHUNT FIELD</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. SPACE HEATERS, WHEN SPECIFIED, WILL HAVE LEADS WITH TERMINAL MARKINGS H1 AND H2. THERMOSTAT, WHEN SPECIFIED, WILL HAVE LEADS WITH TERMINAL MARKINGS P1 AND P2. ENCIRCLED NUMBERS MAY BE USED FOR PART IDENTIFICATION.			
FOR HIGH NAMEPLATE EXCITATION VOLTAGE CONNECT SHUNT FIELD LEADS AS INDICATED	 <p style="text-align: center;">(F2,F3)</p>		
MOTOR CONNECTIONS: FOR CCW ROTATION FACING COMM END, MAKE LEADS F1 AND A1 THE SAME POLARITY. FOR CW ROTATION FACING COMM END, MAKE LEADS F1 AND A2 THE SAME POLARITY.	GENERATOR CONNECTIONS: FOR CW ROTATION FACING COMM END, F1 POSITIVE WILL MAKE A2 POSITIVE. FOR CCW ROTATION FACING COMM END, F1 POSITIVE WILL MAKE A2 POSITIVE.		
FOR LOW NAMEPLATE EXCITATION VOLTAGE CONNECT SHUNT FIELD LEADS AS INDICATED	 <p style="text-align: center;">(F1,F3) (F2,F4)</p>		
MOTOR CONNECTIONS: FOR CCW ROTATION FACING COMM END, MAKE LEADS (F1,F3) AND A1 THE SAME POLARITY. FOR CW ROTATION FACING COMM END, MAKE LEADS (F1,F3) AND A2 THE SAME POLARITY.	GENERATOR CONNECTIONS: FOR CW ROTATION FACING COMM END, (F1,F3) POSITIVE WILL MAKE A2 POSITIVE. FOR CCW ROTATION FACING COMM END, (F1,F3) POSITIVE WILL MAKE A1 POSITIVE.		
94-10-12 NO S.O. DC HILL RETRACED	MADE BY N STEWART 75-08-05	APPROVALS FILE KC13-1	GE MOTORS ERIE
RE-ISSUED CAD/DC Hill 94-10-12	DIV OR DEPT LOCATION	36A167960CA501 CONT ON SHEET SH NO.	

ORIGINAL FRACING

49-3131 4487 CAD

C5X.A.36A167960CA501R01