

# Product Information Packet

November 7, 2016

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

<b>Model Number:</b>	<b>5CD154TA007B005</b>
<b>Catalog Number:</b>	<b>D430</b>
<b>Instruction Manual:</b>	GEH-3967N
<b>Connection Diagram:</b>	36A167760CB501
<b>Outline Drawing:</b>	36A167942FA002

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>	5CD154TA007B005	<b>Enclosure Mtg Assem:</b>	36A167772AD401
<b>Outline Drawing:</b>	36A167942FA002	<b>Instruction Book:</b>	GEH-3967N
<b>Connection Diagram:</b>	36A167760CB501	<b>RPM:</b>	1750/2300
<b>Horsepower:</b>	7.50	<b>Armature Amps:</b>	26.2
<b>Armature Volts:</b>	240	<b>Type:</b>	CD2110AT
<b>Wound:</b>	SHUNT	<b>Power Supply Code:</b>	D
<b>Enclosure:</b>	TEFC	<b>Insulation Class:</b>	F
<b>Duty:</b>	CONT	<b>Ambient Max (°C):</b>	40 C
<b>Rating Code:</b>	154TB1340-01	<b>Field Volts:</b>	300/150
<b>K(V):</b>	1.21 Cemf volts/Radian/Sec	<b>WK2:</b>	1.71Lb Ft2
<b>K(T):</b>	.86 Ft/Amp	<b>Year of Manufacture:</b>	2016
<b>Minimum Ambient:</b>	0 C	<b>Max Altitude:</b>	3300 Ft

Resistances at 25 Degrees C :

<b>Shunt Field:</b>	184 OHMS
<b>Armature:</b>	.3460 OHMS
<b>Commutator Field:</b>	.1307 OHMS

Inductances:

<b>Armature Circuit Total:</b>	7.22 mH Saturated
<b>Shunt Field:</b>	104.0 Henries Unsaturated

Shunt Field Data:

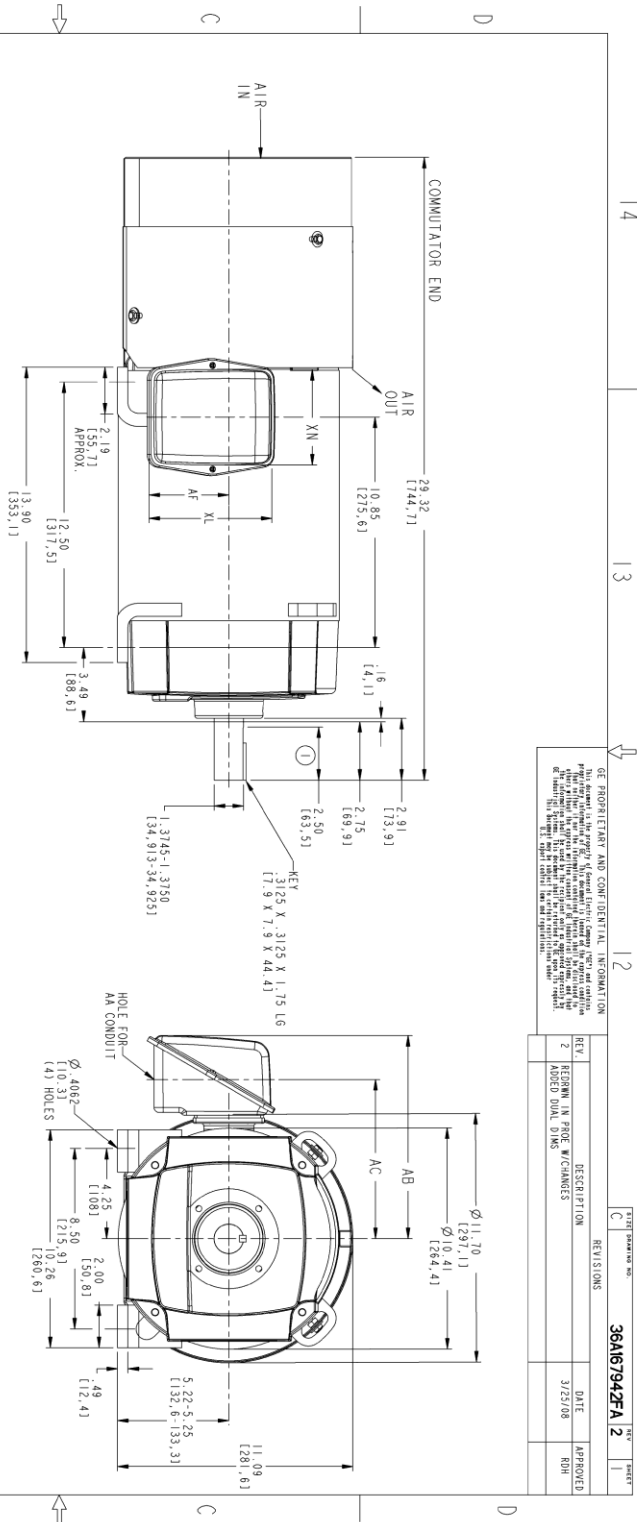
Shunt Field Current(1): 1.15 AMPS at Rated Load and 1750 RPM  
 Shunt Field Current(2): .95 AMPS at Rated Load and 1933 RPM  
 Shunt Field Current(3): .70 AMPS at Rated Load and 2300 RPM

Additional Machine Notes:

TOTALLY ENCLOSED FAN COOLED - BALL BEARINGS  
 CONDUIT BOX ON RIGHT HAND SIDE FACING COMMUTATOR END  
 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

NAME:208009544 OBJECT:36A167942FA DATE:25-Mar-08 11:45:30

Marks:



- REPRESENTS MINIMUM LENGTH OF SHAFT AVAILABLE FOR HUBS.
- FOR MOUNTING POSITION SEE ENCLOSURE AND MOUNTING ASSEMBLY.
- CONDUIT BOX MAY BE TURNED SO THAT ENTRANCE CAN BE MADE UPWARD, DOWNWARD, FROM COMPARATOR END AND BE MADE UPWARD, DOWNWARD, FROM CONDUIT END. CONDUIT MUST BE ASSEMBLED ON OPPOSITE SIDE OF FRAME IF SO SPECIFIED. (SEE ENCLOSURE AND MOUNTING ASSEMBLY).
- SHAFT RUNOUT NOT TO EXCEED .002 (0.05 mm) INCH TOTAL INDICATOR READING ON DRIVE END.
- SHROUD IS REMOVABLE TO PERMIT ACCESS TO HANDHOLE COVERS.

APPROX. NET WT. = 287 LBS

PT	AA	AB	AC	AF	XL	XN
IND	.75	8.30	7.50	2.50	4.32	3.44
		[223.52]	[190.51]	[63.51]	[109.71]	[87.41]
002	1.25	9.62	7.56	3.62	5.94	4.38
		[244.31]	[192.02]	[91.94]	[150.91]	[111.25]
003						
004	2.00	11.48	8.92	4.62	7.38	5.38
		[291.61]	[226.61]	[117.35]	[187.41]	[136.61]

SEE SUPPLEMENTARY OUTLINE

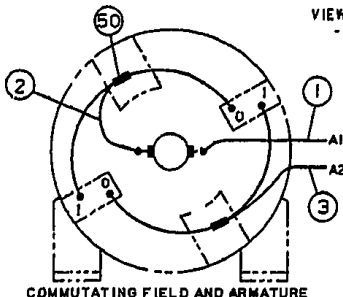
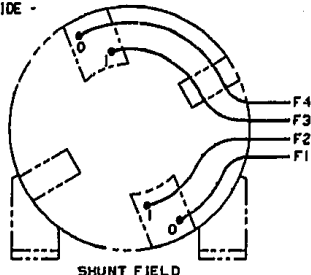
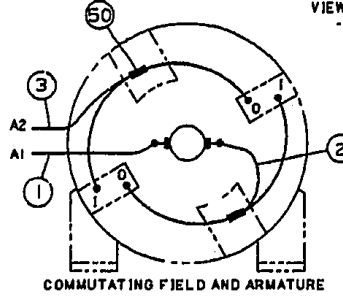
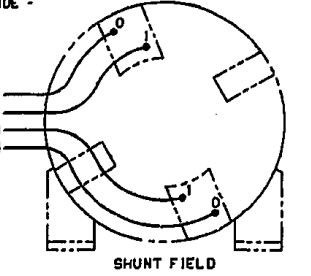
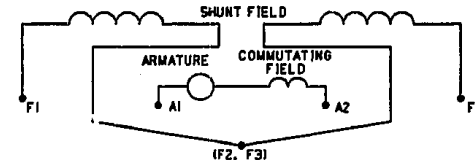
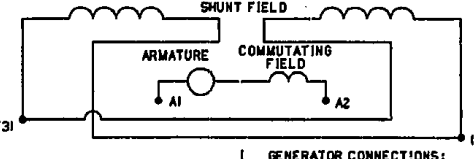
REV	DESCRIPTION	DATE	APPROVED
2	REVISION IN PROD. W/CHANGES	3/25/08	RH



THIRD ANGLE PROJECTION

PT	AA	AB	AC	AF	XL	XN
IND	.75	8.30	7.50	2.50	4.32	3.44
001		[223.52]	[190.51]	[63.51]	[109.71]	[87.41]
002	1.25	9.62	7.56	3.62	5.94	4.38
		[244.31]	[192.02]	[91.94]	[150.91]	[111.25]
003						
004	2.00	11.48	8.92	4.62	7.38	5.38
		[291.61]	[226.61]	[117.35]	[187.41]	[136.61]

Marks:

NO S.O.	GENERAL ELECTRIC	36A167760CB501	CONT ON SHEET SH NO.
REV 2 36A167760CB501 CONT ON SHEET SH NO.	TITLE <b>CONNECTION DIAGRAM</b>		
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 -			
			
VIEWS FACING COMMUTATOR END - LEADS OUT LEFT SIDE -			
			
<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
<p>MADE BY P.HARABEDIAN 3-19-69</p>		FILE KC13-1	DIV OR DEPT GE MOTORS
<p>RE-ISSUED CAD/ R.D.BOLLA 10-11-94</p>		LOCATION ERIE	36A167760CB501 CONT ON SHEET SH NO.

DC2-281 (2-15-67)

C5X.A.36A167760CB501R02

