

Product Information Packet

November 7, 2016

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

Model Number:	5CD224RA090B076
Catalog Number:	D619
Instruction Manual:	GEH-3967N
Connection Diagram:	36A167910FA502
Outline Drawing:	36A167949AA002

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:	5CD224RA090B076	Enclosure Mtg Assem:	36A167775AC001
Outline Drawing:	36A167949AA002	Instruction Book:	GEH-3967N
Connection Diagram:	36A167910FA502	RPM:	1150/1600
Horsepower:	300	Armature Amps:	480
Armature Volts:	500	Type:	CD508AT
Wound:	SHUNT	Power Supply Code:	C
Enclosure:	DPFG-SV	Insulation Class:	F
Duty:	CONT	Ambient Max (°C):	40 C
Rating Code:	224R1160-05	Field Volts:	300/150
K(V):	3.97 Cemf volts/Radian/Sec	WK2:	122.00Lb Ft2
K(T):	2.85 Ft/Amp	Year of Manufacture:	2016
Minimum Ambient:	0 C	Max Altitude:	3300 Ft

Resistances at 25 Degrees C :

Shunt Field:	33.7 OHMS
Armature:	.0246 OHMS
Commutator Field:	.0080 OHMS

Inductances:

Armature Circuit Total:	1.430 mH Saturated
Shunt Field:	43.0 Henries Unsaturated

Shunt Field Data:

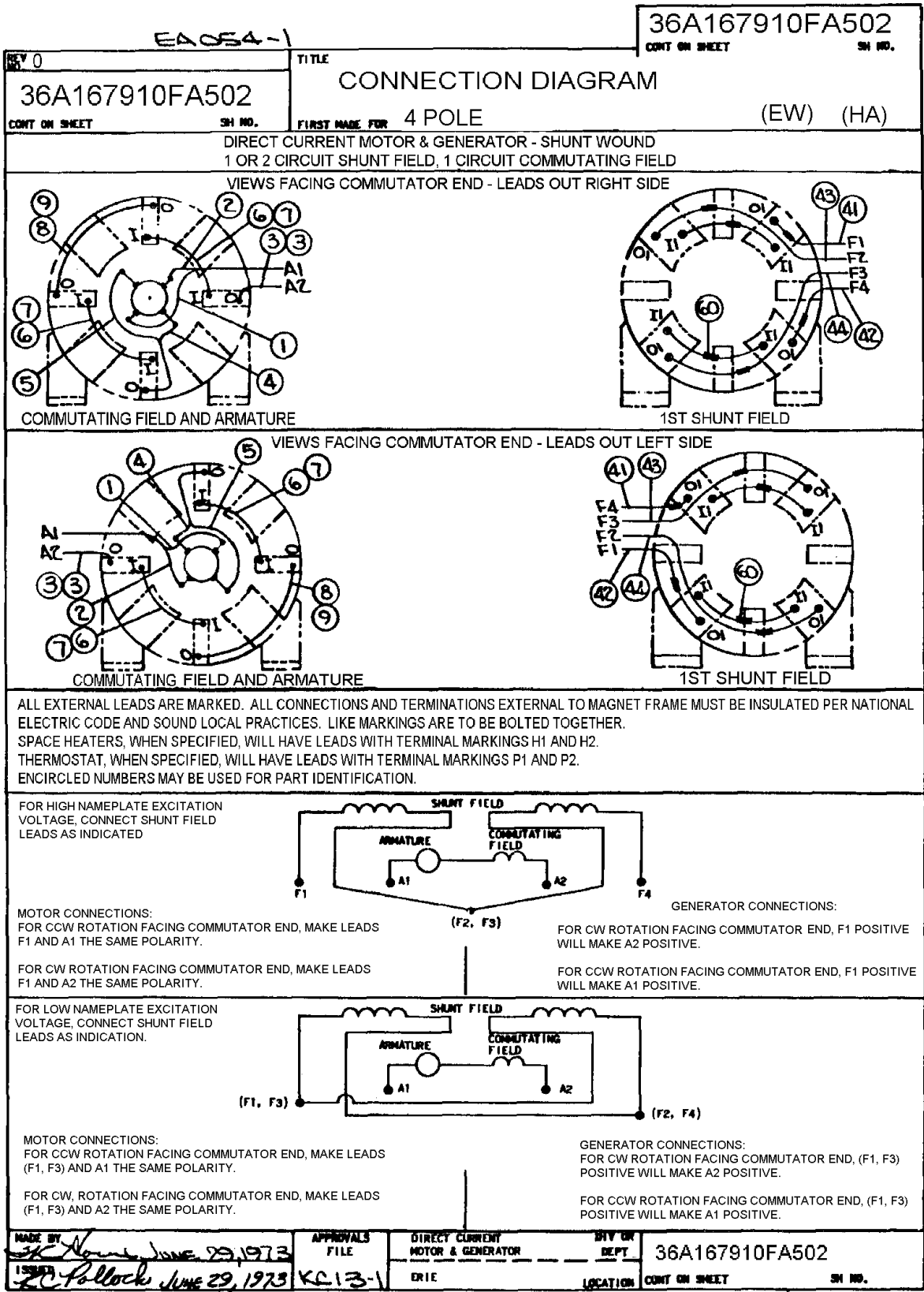
Shunt Field Current(1): 6.4 AMPS at Rated Load and 1150 RPM
 Shunt Field Current(2): 5.33 AMPS at Rated Load and 1300 RPM
 Shunt Field Current(3): 4 AMPS at Rated Load and 1600 RPM

Additional Machine Notes:

DRIPPROOF FULLY GUARDED, SEPARATELY VENTILATED
 - BALL BEARINGS
 CONDUIT BOX ON RIGHT HAND SIDE FACING COMMUTATOR END
 STANDARD SHAFT DRIVE END ONLY - WITH FEET
 SEPARATELY VENTILATED AT 1425 CFM
 PRESSURE DROP AT 3.0 INCHES OF WATER
 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:



DC 2-281 (2-15-67)