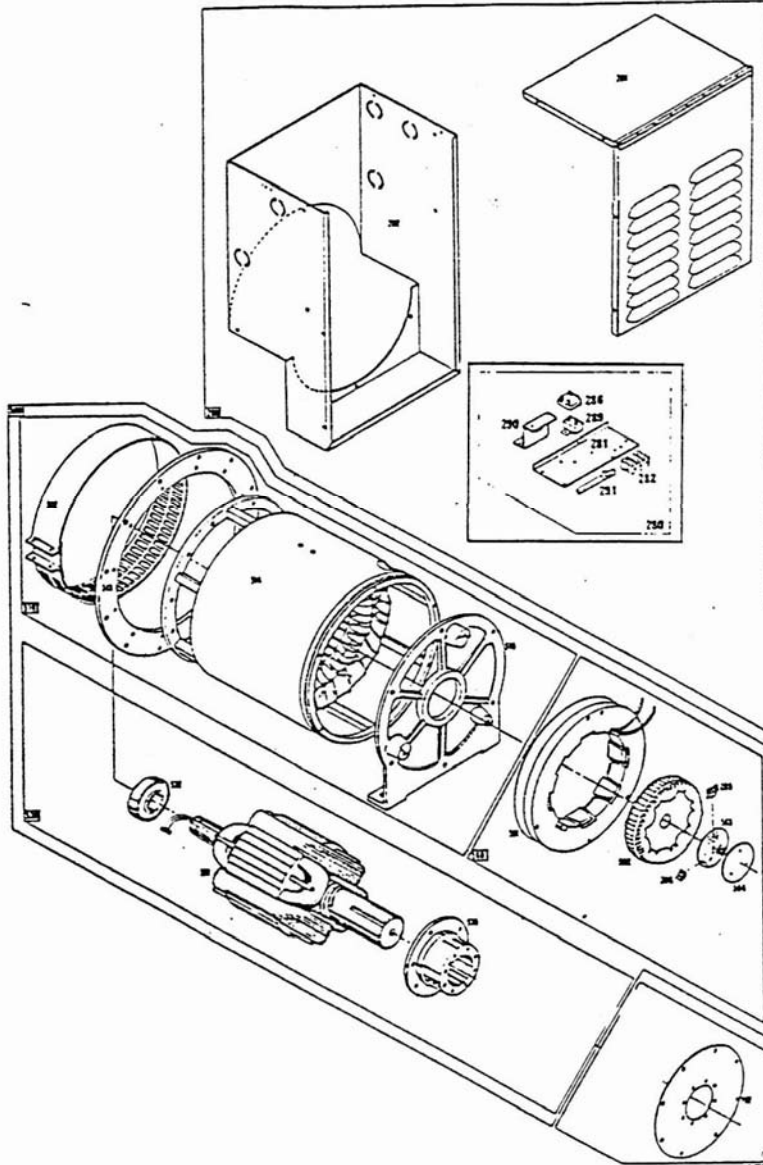
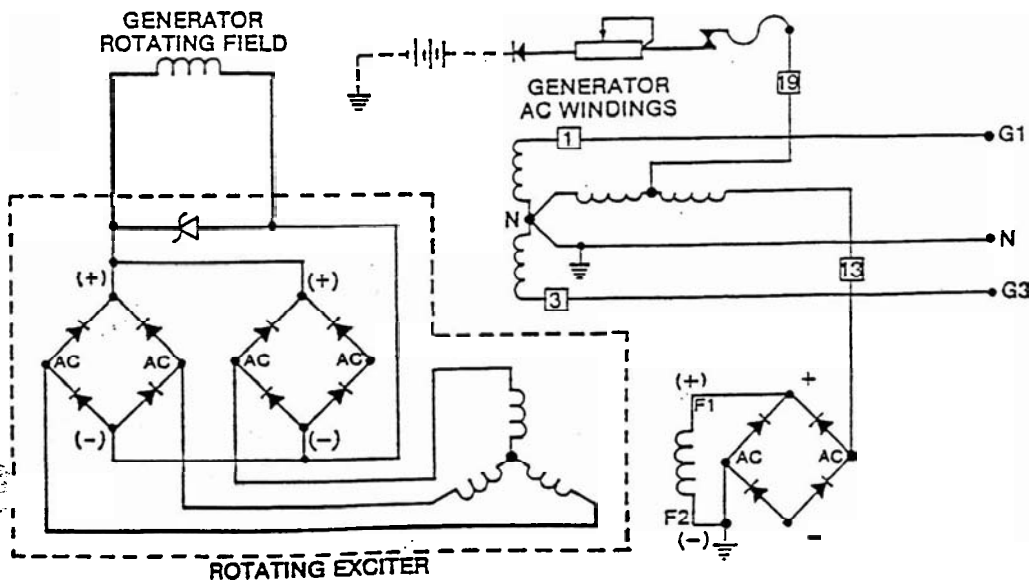


# MODEL 8PD4FLG-3/Q

SINGLE BEARING  
BRUSHLESS



REF. NO.	DESCRIPTION	QTY	PART NO.
191	Drive Disc	2	91523
201	Cover	1	91479
202	Welded Box Ass'y	1	91475-4
280	Shelf Ass'y	1	91937
281	Mounting Plate	1	91941
282	Terminal Block	1	51795
285	Surge Suppressor	1	91455
286	Rectifier	3	91452
289	Circuit Breaker	1	91940
290	Rectifier Ass'y	1	45930-2
291	Variable Resistor	1	24865
512	Impeller Cover	1	91337-2
513	Adapter Ring	1	91583
514	Stator	1	91527-8
515	End Bracket	1	91517
530	Rotor Ass'y	1	91528-2
531	Rotor	1	91414-2
532	Bearing	1	91111
560	Exciter Ass'y	1	
561	Exciter Stator Ass'y	1	91665-1
562	Exciter Rotor	1	91442
563	Rotating Rectifier Ass'y	1	91413
564	Cover (Rotating Rectifier)	1	91411-1



# TECHNICAL DATA

## GENERATOR SPECIFICATIONS:

KW—8; Volts—120/240; Amps.—33.3; PF—1.0; PH—1; Hz—60; RPM—1800

Normal Voltage:	No Load	Full Load
Stator Output	260 Volts A.C.	225 Volts A.C.

**Residual Voltage:**  
55 Volts A.C. L to L; 27 Volts A.C. L to N

**Resistance:**  
Exciter Field—F1-F2 2.9 ohms  
Exciter Rotor—.35 ohms  
Rotating Field—2.9 ohms  
Stator Main—.29 ohms L to N

**Separately Excited:**  
12 VDC to Exciter Field; F1 Positive-F2 Negative  
Approximately 265 Volts L to L; 132 Volts L to N

## BASIC TEST PROCEDURE:

Refer to illustration for component location by Reference Number.  
Example: No output—Check rectifiers, Reference Number 286.

Reference Number 280 is shelf assembly; Reference Number 286, a rectifier, is mounted on shelf assembly.

Reference Number 563 is rotating rectifier assembly; there are two Reference Number 286 rectifiers mounted on rectifier assembly.

### No Output:

- Check for loose or open connections.
- Check for residual voltage output, Reference Number 282.
- Check rectifiers, Reference Number 286.
- Check winding resistance, opens and grounds, Reference Numbers 514, 531, 561, and 562.
- Separately excite and check output.

### Low Voltage—No Load:

- Check speed (1800 RPM nominal).
- Check generator load.
- Check for loose connections.
- Check rectifiers, Reference Number 286.
- Check winding resistance, Reference Numbers 561, 562, 514 and 531

### Low Voltage—Full Load:

- Check speed (1800 RPM nominal)
- Check generator load.
- Check for loose connections.
- Check winding resistance, Reference Numbers 561, 562, 514 and 531.

**ENERGY**  
CORPORATIO

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