

## BRUSHLESS ALTERNATORS, 60 Hz

MODEL NUMBER	ELECTRICAL CHARACTERISTICS					CONTINUOUS STANDBY RATING		ENGINE	
	VOLTS	AMP	HERTZ	PHASE	WIRE	kW	kVA and PF	RPM	START
500.CDFY-4R	120/208	1735	60	3	4	500	625.0 at 0.8-PF	1800	Remote 24-volt 2-wire
500.CDFY-5DR	120/240	1504							
500.CDFY-7R	220/380	950							
500.CDFY-7XR	240/416	887							
500.CDFY-6DR	240/480	752							
500.CDFY-4XR	277/480	752							
500.CDFY-9XR	347/600	601							

## BRUSHLESS ALTERNATORS, 50 Hz

MODEL NUMBER	ELECTRICAL CHARACTERISTICS					CONTINUOUS STANDBY RATING		ENGINE			
	VOLTAGE	AMP	VOLTAGE	AMP	HERTZ	PHASE	WIRE	kW	kVA and PF	RPM	START
450.ODFY-519R	110/190	1709	115/200	1624	50	3	4	450	562.5 at 0.8-PF	1500	Remote 24-volt 2-wire
450.ODFY-520R	220/380	855	230/400	812							
450.ODFY-521R	120/208	1561	127/220	1476							
450.ODFY-522R	240/416	781	254/440	738							

Single phase power can be taken in capacities up to 2/3 of the rated 3-phase kVA. CONTINUOUS STANDBY RATING: These units will operate at the stated rating for the duration of normal utility, power interruptions. This rating applies to CONTINUOUS STANDBY and altitudes up to 500-ft (152.4 m), at 85 F (29.4 C) ambient with

standard radiator cooling and number 2 diesel fuel. For rating data relative to other applications, altitudes, cooling systems, ambients or fuels; contact an authorized Onan distributor or the factory. All standard models are CSA certified.

## STANDARD CONTROLS AND EQUIPMENT

CONSOLE, UNIT MOUNTED ON VIBRATION ISOLATORS, WITH PANEL LIGHT, DC CONTROLS AND AC CONTROLS.

DC ENGINE CONTROLS (2-wire, 24-volt system) includes: Run-Stop-Remote Switch, Remote Start-Stop Terminals, Oil Pressure Gauge, Coolant Temperature Gauge, Charge Rate Ammeter and Solid State Engine Monitoring System.

SOLID STATE ENGINE MONITORING SYSTEM, modular design, with individual status indicating lamps and signal circuits for connection to remote annunciator.

The Control Console's, front mounted, status lamps indicate: Low Coolant Temperature, preshutdown and shutdown for High Coolant Temperature and Low Oil Pressure, shutdown for Overvoltage (AC output), Overcrank, Overspeed, Manual Reset and Lamp Test Switch.

The Control Console's, internally mounted, status indicating lamps and/or signal circuits for connection to remote annunciator include: Low Coolant Temperature, preshutdown and shutdown for High Coolant Temperature and Low Oil Pressure; shutdown for Overvoltage (AC output), Overcrank, Overspeed, High and Low Battery

Voltage; Cycle Cranker (crank, rest, crank command); Crank and Run; Magnetic Sensor; Time Delay (start, stop, stop counter) plus Generating, Common Alarm Terminal.

AC OUTPUT CONTROLS include:

- AC Voltmeter — AC Ammeter
- Meter Switch, Voltmeter-Ammeter Phase Selector with an OFF position
- Voltage Adjusting Rheostat
- Frequency Meter and Running Time Meter
- Exciter Circuit Breaker, Manual Reset

AC OUTPUT: Bus Bar Connection Assembly

STRUCTURAL STEEL MOUNTING BASE

OIL DRAIN VALVE WITH HOSE EXTENSION

BATTERY CHARGING ALTERNATOR

BATTERY CABLES — FUEL LINES

## OPTIONAL EQUIPMENT

### AUTOMATIC STANDBY POWER SYSTEM

- Automatic Transfer Switches; 24-volt, 2-wire
- Area Protection Monitors

### SWITCHBOARDS

- Automatic Sequential Paralleling
- Automatic Paralleling
- Manual Paralleling

### COOLING SYSTEM

- Remote Mounting Radiator
- Flexible Water Lines
- Radiator Air Discharge Duct Adapter

### EXHAUST SYSTEM

- Muffler, Industrial Silencing
- Muffler, Residential Silencing
- Muffler, Critical Silencing
- Flexible Exhaust Connections
- Liquid Cooled Exhaust Manifold

### FUEL SUPPLY

- Underground Fuel Tank
- Reservoir "Day" Tank with Float Switch
- Levelometer (fuel level indicator)
- Electric Fuel Pumps

### STARTING SYSTEM

- Starting Batteries — two, 12-volt, 225 A.h (810 kC)
- Battery Racks
- Heater (engine coolant)

### MOUNTED CONTROL CONSOLE MODIFICATIONS

- Control Console Remote Mounting Kit

### ALARM ANNUNCIATOR

### GOVERNOR

- Speed Adjusting Motor
- Woodward PSG Hydraulic Governor

### VIBRATION ISOLATORS