

# Consultant's Corner: Specification: Standby Engine Generator



consultants corner

## Part 2 - PRODUCTS (Continued)

### 2.04 MISCELLANEOUS EQUIPMENT

The standby power system shall also have the following items:

- a) Critical type muffler
- b) Flex exhaust connection
- c) Starting batteries
- d) Battery rack
- e) Battery cables
- f) Flexible fuel lines
- g) \_\_\_\_ amp main line circuit breaker
- h) Block heater

### 2.05 BATTERY CHARGER (Choose one):

A 2 amp, \_\_\_\_ volt trickle type battery charger will be included to maintain starting batteries at proper voltage.

One battery charger shall be provided and shall be fully automatic, float type, self-regulating, constant voltage \_\_\_\_ volt output, 12 volt input, 10 amp minimum, mounted in a NEMA 1 cabinet. The charger shall have a high charge rate of at least 9 amps. It shall have silicon diode rectifiers, automatic surge suppressor, DC output ammeter, auto reset, DC circuit breaker and AC fuse.

### 2.06 WEATHER HOUSING

Where plans indicate the standby generator will be located outdoors, the generating set shall be enclosed in a weather protective zinc coated sheet metal housing with removeable side panels. Finish shall be baked enamel.

### 2.07 REMOTE ANNUNCIATOR (If applicable)

Contractor shall supply a 12 volt annunciator panel for remote installation with signals indicating condition and possible malfunction of the emergency electric plant. Indication signals are as follows:

- a) High water temperature light
- b) Low water temperature light
- c) High battery voltage light
- d) Low battery voltage light
- e) Generator power light
- f) System ready light
- g) Alarm switch off light
- h) Line power light
- i) Overcrank light
- j) Overspeed light
- k) Low fuel light
- l) Low oil pressure light
- m) Alarm on/off switch
- n) Reset switch
- o) Test switch
- p) Battery fuse
- q) Annunciator horn

### 2.08 FUEL SYSTEM (Choose one for diesel fueled units):

A sub-base mounted fuel tank shall be supplied with enough fuel capacity to run the standby generator under full load for a minimum of \_\_\_\_ hours.

A \_\_\_\_ gallon day tank shall be included with the unit. It shall have a 2 gallon per minute fuel transfer pump, fuel level gauge and float switch.



ONTARIO • MANITOBA • NEWFOUNDLAND & LABRADOR  
416-667-5758 204-478-5689 709-682-1358