

## Long-Life, Water Cooled, Prime Power Generator



Patent Pending

### SPECIFICATIONS

#### GENERATOR

|                                                  |                                                                                                                                                                                                  |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical Output                                | up to 4.5kW/hr                                                                                                                                                                                   |
| Rated voltage (VAC)                              | 120/240 split phase                                                                                                                                                                              |
| Speed Range                                      | modulates based on demand<br>max: 3600 rpm<br>idle speed: 2400                                                                                                                                   |
| Rated maximum continuous load at 240VAC (A)      | 18.75                                                                                                                                                                                            |
| Main line circuit breaker-general disconnect (A) | 50A/120V                                                                                                                                                                                         |
| Phase                                            | Single phase                                                                                                                                                                                     |
| Rated frequency (Hz)                             | 50/60                                                                                                                                                                                            |
| Enclosure                                        | Steel                                                                                                                                                                                            |
| Weight (lb/kg)                                   | 1000 lbs / 454 kg                                                                                                                                                                                |
| Dimensions                                       | 48"H x 57"W x 57"D                                                                                                                                                                               |
| Normal operating range                           | This unit is tested in accordance to UL 2200 standards with an operating temperature of -20°F (-29°C) to 122°F (50°C). When operated above 104°F (40°C) there may be a decrease in engine power. |

#### ENGINE

|                     |              |
|---------------------|--------------|
| Engine Type         | Marathon 272 |
| Number of cylinders | 1            |
| Power               | 8 HP         |
| Displacement        | 272 cc       |
| Torque              | 12.5ft-lb    |
| Cylinder block      | Cast Iron    |
| Starter             | 12VDC        |
| Oil capacity        | 12 quarts    |

#### TECHNICAL DATA

|                             |                                                                                       |
|-----------------------------|---------------------------------------------------------------------------------------|
| Exhaust Gas Emissions       | <20g/kW-hr CO<br><7g/kW-hr NOx                                                        |
| Fuel                        | natural gas: min. methane number 59<br>propane: minimum octane number MOZ 92 (EN 589) |
| Fuel Consumption @ 3600 rpm | natural gas: 0.65 therms/hr<br>propane: 0.78 gal/hr                                   |

#### MAINTENANCE

|                    |                                                                                                              |
|--------------------|--------------------------------------------------------------------------------------------------------------|
| Service Interval   | 6,000 hours                                                                                                  |
| Rated Service Life | 40,000 hours                                                                                                 |
| Coverage           | oil change, oil & filter replacement, spark plug, spark plug cable, breather filter, air filter, fuel filter |



EN9001 - NG Fuel

EN9002 - LP Fuel