

# POWERTECH ENGINES INC.

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## MODEL 8 Diesel Prime Power Generator

7.5 kW Standby; 7 kW Prime @ 77 F & Sea level

LOMBARDINI model LDW 1003 FOCS 1028 cc three cylinder diesel engine, rated ~14.4 gross intermittent HP and ~12.7 gross continuous HP at 1800 RPM (for 60 Hz operation). This open power unit style generation system includes the engine and radiator, muffler, full overhead control fuel system, air cleaner, blower fan, an engine control panel that includes both low oil pressure and high water temperature safety shut downs and warning lights, shutdown solenoid, key start, battery tray & cables, and rubber vibration mounts, all assembled together with the generator (see below) on a welded steel frame.

MARATHON or NEWAGE or MECC ALTE 12 lead or 4 lead generator end. Four lead generator ends are more efficient for 120/240 VAC applications. 12 lead generator ends are very flexible, and can be connected for a variety of applications, including 480 VAC three phase, 240/120 VAC three phase or 120/240 VAC single phase. An AVR voltage regulator is included and will be adjusted by our shop for the winding/voltage configuration specified. These units meet NEMA generator standards and are suitable for prime or standby power. A copy of the generator factory data sheet will be supplied upon request. Many are also posted on our web site.

The Model 8 with a Newage BCI-164-D is approximately 46" long; 27" wide, and has a maximum height at the top of the radiator cap of ~31". The top of the engine valve cover is at ~27"; it is ~23" to the top of the alternator. Minimum dimensions with a custom skid would be about 21.5" wide, 42" long, and the maximum height could be trimmed down to ~29". It weighs about 656 pounds.

Approximate fuel consumption: at 1/2 load = ~0.38 gal/hour; at full load = ~0.76 gal/hour.

All units are fully assembled and test run under load prior to shipment using our calibrated factory load banks(s) at our Fullerton, CA manufacturing facility.

**Options include the following; others maybe available upon special request:**

- Water and oil level safeties.
- 2 or 3 pole main line circuit breaker.
- Oversize alternators for motor starting.
- Transfer switches.
- Block heaters.
- Deluxe control panels with gauges, autostart, and/or with AC metering gauges.

03/10/03 [Revised]. All specifications are subject to change without notice.