

# POWERTECH ENGINES INC.

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## MODEL 14 Diesel Prime Power Generator

### 14.8 kW STANDBY - 13.3 kW PRIME @ 77 F & SEA LEVEL

**LOMBARDINI** model **LDW 1603 CHD** 1649 cc three cylinder diesel engine, rated ~26 gross intermittent HP and ~23.6 gross continuous HP at 1800 rpm (for 60 Hz operation). This open power unit style generation system includes the engine and radiator, muffler, air cleaner, blower fan, an engine control panel that includes both low oil pressure and high coolant temperature safety shut downs and warning lights, fuel 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.

Approx. dimensions/weight are: Length = ~53 inches; Width = ~27 inches. Height: The maximum height is ~42 inches at the top of the air cleaner. The height to the top of the radiator cap is 34.5 inches; the height to the top of the generator outlet box is 24 inches. Weight = ~826 pounds.

Approximate fuel consumption: at 1/2 load = ~0.59 gal/hour; at full load = ~1.16 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 AC metering gauges.**

*03/02/03 [Revised]. All specifications are subject to change without notice.*