

# POWERTECH ENGINES INC.

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## MODEL 5.0 Portable Diesel Generator

5.2 kW Standby; 4.5 kW Prime @ 77 F & Sea level

**LOMBARDINI** model **15LD400**, single cylinder, air cooled, **401** cc four-stroke, direct injection diesel engine, rated ~9.0 gross intermittent HP and ~8.4 gross continuous HP at 3600 rpm (for 60 Hz operation). The basic recoil start engine is equipped with an automatic compression release, hydraulic tappets, a die-cast aluminum crankcase with a liner of integral cast iron, and an aluminum alloy cylinder head. Electric start and a simple key start control panel are optionally available. A close regulation 3600 rpm mechanical centrifugal governor is standard, and the engine has forced lubrication with a vane oil pump, and a full flow oil filter. This air cooled, open frame generator set includes the engine complete with 5.0 liter fuel tank, muffler, air cleaner, and alternator mounted on three vibration mounts within a cage-style open steel mounting frame. Thermal breakers and a single three wire twist-lock and one duplex AC power outlet are mounted in the rear cover of the alternator.

**MECC ALTE** four lead generator end, model **AR1-150/2**, rated 5.7 KVA. This slightly oversize generator end can be wired for either 120 VAC single phase or 120/240 VAC, single phase. The unit comes standard with 120 VAC single phase wiring, but 120/240 VAC is optionally available. A copy of the Mecc Alte factory data sheet will be supplied upon request; a copy is also posted on our web site.

Size/weight: The overall dimensions of the tubular frame are 18 inches wide, 29.5 inches long, and 19 inches high. It weighs about 163 pounds.

Approximate fuel consumption: at 1/2 load = ~0.34 gal/hour; at full load = ~0.68 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:**

- **Wheel kit.**
- **Dual voltage outlet wiring: one 230 VAC outlet, two 115 VAC outlets.**
- **Electric start with simple key start control panel, battery, and safety shutdowns.**

*04/05/03 [Revised]. All specifications are subject to change without notice.*