

Curves shown represent engine performance capabilities obtained and corrected in accordance with SAE standard J1349 conditions of 300 ft. altitude (29.62" Hg dry barometer), 77°F (25°C) air intake temperature, and .30" Hg water vapor pressure with No. 2 diesel fuel.

The fuel consumption curves are based on No. 2 diesel fuel with a weight of 7.1 lbs. per U.S. gallon.

1. Gross Brake Horsepower.
2. Net horsepower with Reverse Reduction Gear.
3. Hypothetical Propeller Power Curve (2.7 exponent).
4. Fuel Consumption for Net Shaft Horsepower.
5. Fuel Consumption for Hypothetical Propeller.

MAXIMUM RATING — This rating is intended for use in variable load applications where full throttle operation does not exceed 1/4 of the operating time in any given period of operation followed by operation at or below Cruise RPM. As a general rule, these applications operate up to 400 hours per year.

Design Features

Bearings: Replaceable, precision type, steel backed inserts.

Camshaft: Single camshaft with induction hardened lobes for long life.

Camshaft Followers: Induction hardened, roller type for long cam and follower life.

Connecting Rods: Drop forged, I-beam section, tapered on piston pin end to reduce unit pressures.

Cooling System: Belt driven centrifugal engine coolant pump. Large volume water passages. Dual modulating by-pass thermostats.

Crankshaft: High tensile strength steel forging with induction hardened fillets. Fully counterweighted.

Cylinder Block: Alloy cast iron with removable wet liners. Cross bolt support to main bearing cap.

Cylinder Heads: Alloy cast iron. Drilled fuel supply and return lines. Replaceable corrosion resistant valve inserts. Replaceable valve guides and cross head guides.

Cylinder Liners: Wet liners, easily replaced without rebores the block.

Exhaust Manifold: Jacket water cooled.

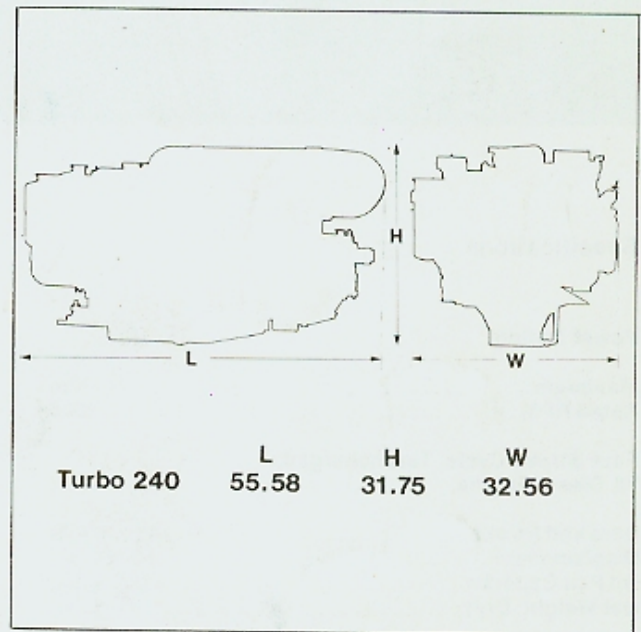
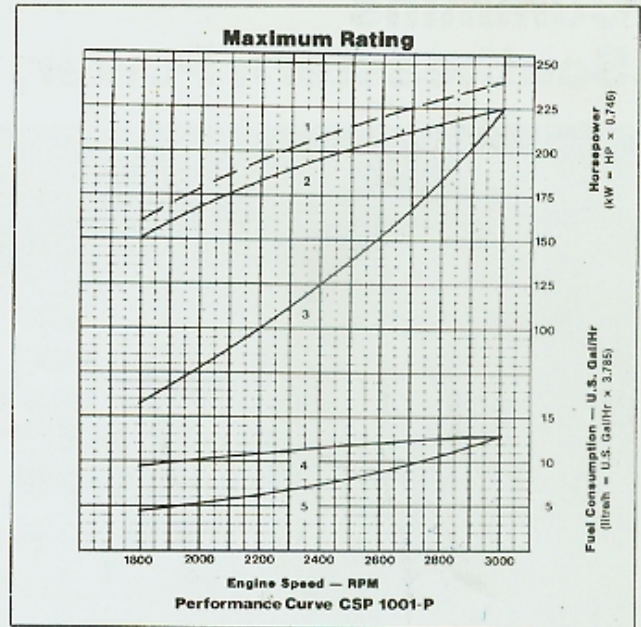
Fuel System: Cummins exclusive low pressure PT™ system with wear compensating pump, variable speed control. Camshaft actuated fuel injectors. Fuel hoses are UL Marine listed.

Gear Train: Induction hardened timing gears and accessory drive gears.

Lubrication: Large capacity gear oil pump, oil cooler and full-flow filter maintain oil condition and maximize engine life.

Pistons: Aluminum alloy, cam ground and barrel shaped to assure precise fit at operating temperatures. Two compression and one oil ring.

Valves: Dual 1.6 in. diameter poppet type intake and exhaust valves. Wear resistant face on exhaust valves.



Cummins Southeastern Power, Inc.
Tampa, Florida 33610

