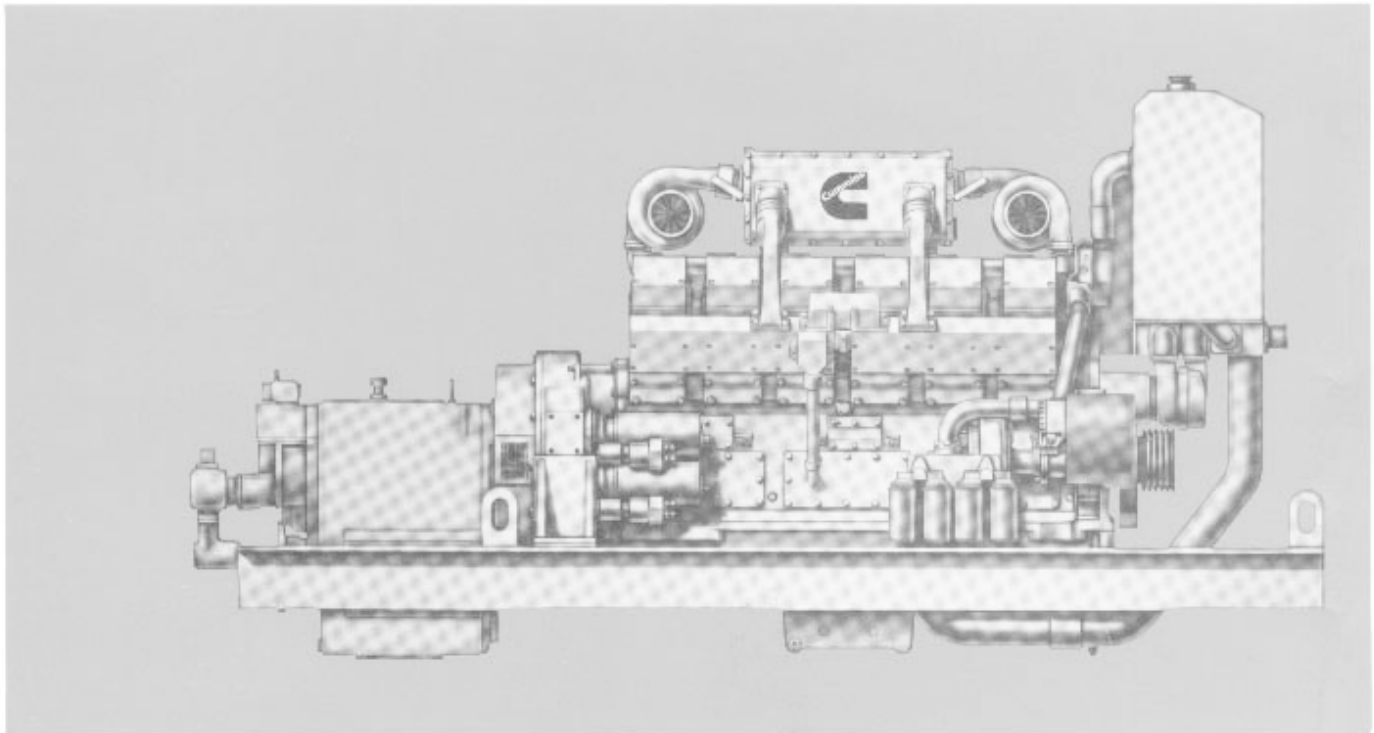


# Cummins Marine Diesel

# KT-2300-M



## Specifications

	<u>Metric</u>
<b>Power Ratings</b>	
Light Duty Commercial . . . . .	850 bhp
Rated RPM . . . . .	1950
Continuous Duty . . . . .	800 bhp
Rated RPM . . . . .	1800
<b>Four Stroke Cycle, Turbocharged, V-12 Diesel Engine</b>	
Bore and Stroke . . . . .	6 1/4 x 6 1/4 in. 159 x 159 mm
Displacement . . . . .	2300 cu. in. 37.7 L
Oil Pan Capacity . . . . .	30 U.S. gals. 114 L
† Net Weight, Dry . . . . .	11,700 lbs. 5 307 kg
† With selected accessories and Twin Disc MG-530 Gear.	

Above picture shows engine plumbed for Heat Exchanger cooling.

## Design Features

**Bearings:** Replaceable, precision type, steel backed inserts. Seven main bearings, 6.5 in. (165 mm) diameter. Connecting rod bearings 4.25 in. (108 mm) diameter.

**Camshaft:** Dual camshafts precisely control valve and injector timing. Lobes are induction hardened for long life. Fourteen replaceable precision type bushings 3.0 in. (76 mm) diameter.

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

**Connecting Rods:** Drop forged, I-beam section 11.4 in. (290 mm) center to center length. Rifle drilled for pressure lubrication of piston pin. Rod is tapered on piston pin end to reduce unit pressures.

**Cooling System:** Gear driven centrifugal engine coolant pump. Large volume water passages provide even flow of coolant around cylinder liners, valves, and injectors. Four modulating by-pass thermostats regulate coolant temperature. Spin-on corrosion resistors check rust and corrosion, control acidity and remove impurities.

**Crankshaft:** High tensile strength steel forging with induction hardened fillets. Fully counterweighted and spin balanced.

**Cylinder Block:** Alloy cast iron with removable wet liners. Cross bolt support to main bearing cap provides extra strength and stability.

**Cylinder Heads:** Alloy cast iron. Each head serves one cylinder. Drilled fuel supply and return lines. Valves seats are replaceable corrosion resistant inserts. Valve guides and cross head guides are replaceable inserts.

*Design Features continued on back page.*

