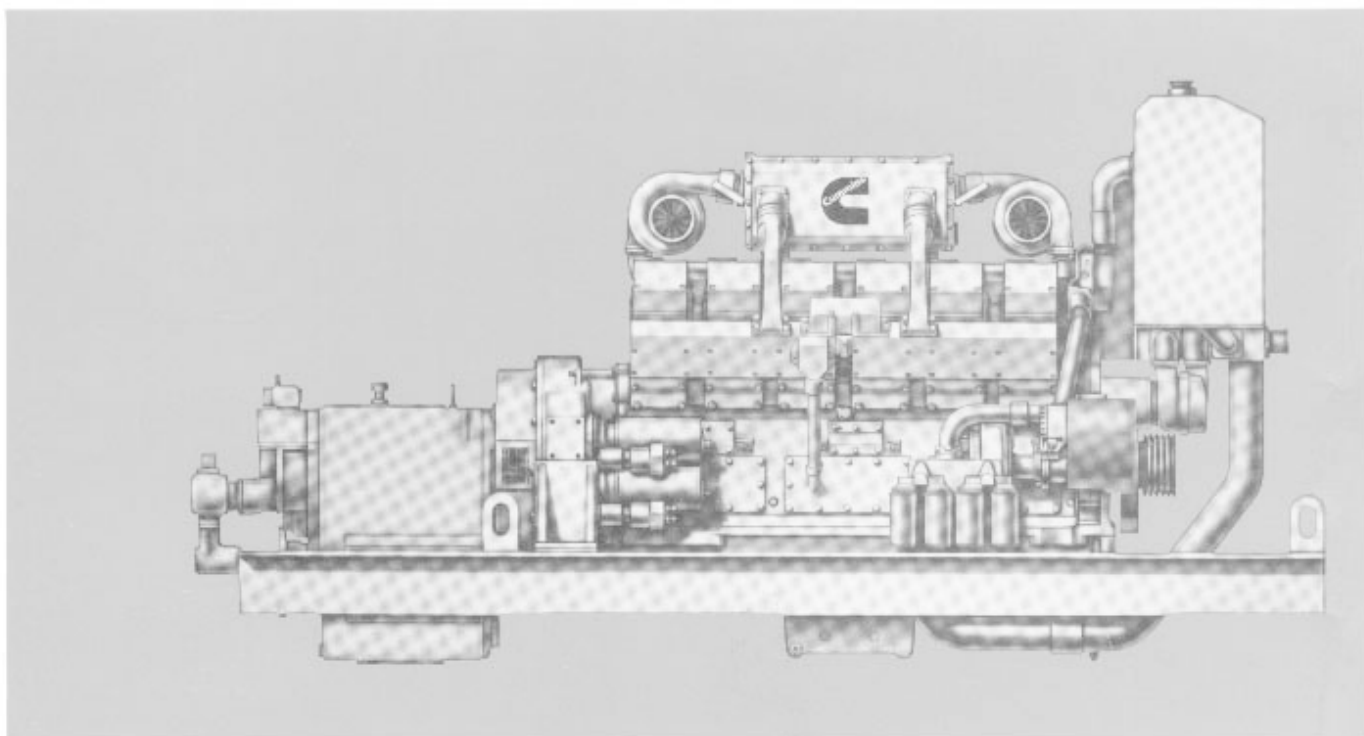


Cummins Marine Diesel

KT-2300-M



Specifications

		<u>Metric</u>
Power Ratings		
Light Duty Commercial	850 bhp	634 kW
Rated RPM	1950	1950
Continuous Duty	800 bhp	597 kW
Rated RPM	1800	1800

Four Stroke Cycle, Turbocharged, V-12 Diesel Engine

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.

