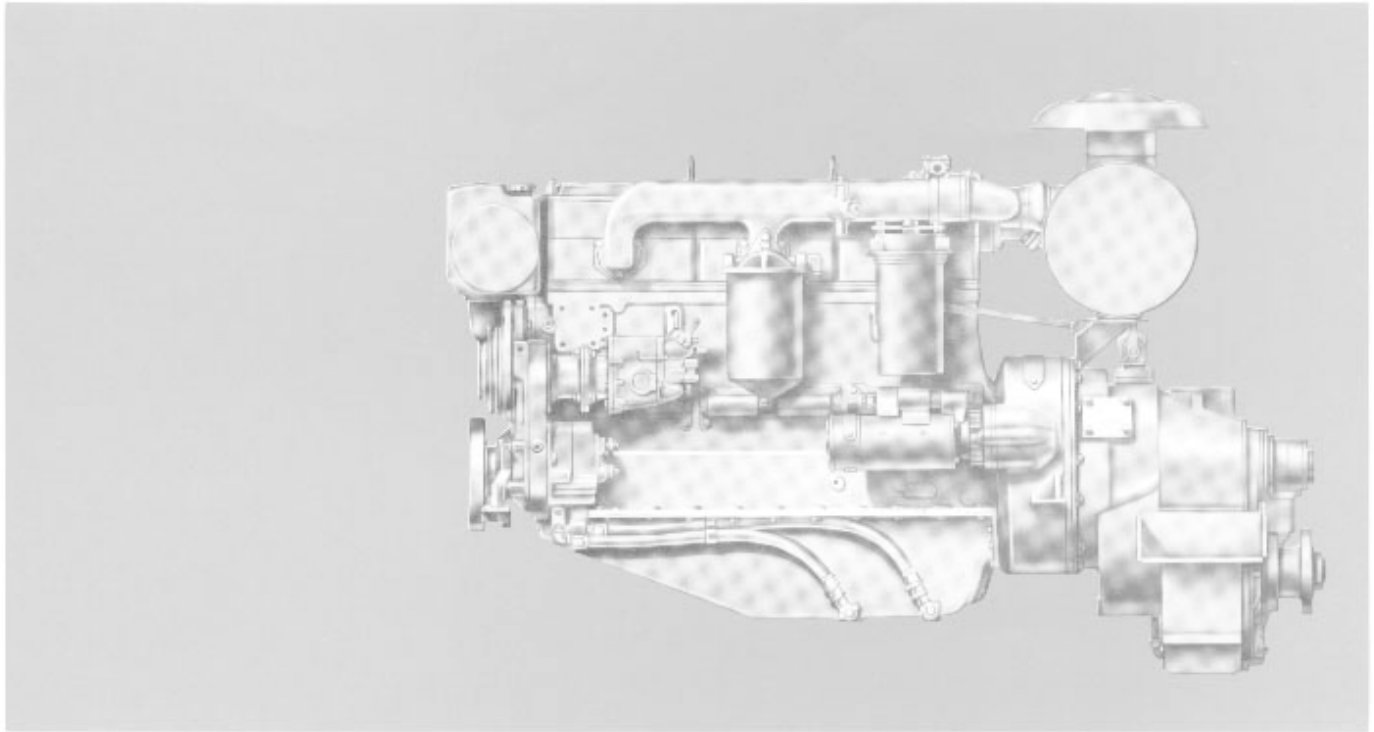


# Cummins Marine Diesel

# NT-855-M2



## Specifications

Power Ratings . . . . .	324 bhp
Governed RPM . . . . .	2100
Number of Cylinders . . . . .	6
Bore and Stroke . . . . .	5½ x 6 in.
Piston Displacement . . . . .	855 cu. in.
Operating Cycles . . . . .	4
Lube System Oil Cap. . . . .	11.5 U.S. gals.
Coolant Capacity . . . . .	12 U.S. gals.
Net Weight with Std. Accessories, Dry . . . . .	3925 lbs.

	<u>Metric</u>
	242 kW
	2100
	6
	140 x 152mm
	14 l
	4
	43.5 l
	45.4 l
	1 782 kg

## Design Features

**Bearings:** Precision type, steel backed inserts. 7 main bearings, 4½ in. (114mm) diameter. Connecting Rod – 3½ in. (79mm) diameter.

**Camshaft:** Single camshaft controls all valve and injector movement. Induction hardened alloy steel with gear drive.

**Camshaft Followers:** Roller type for long cam and follower life.

**Connecting Rods:** Drop forged, 12 in. (305mm) center to center length. Rifle drilled for pressure lubrication of piston pin. Taper piston pin end reduces unit pressures.

**Cooler, Lubricating Oil:** Tubular type, jacket water cooled.

**Crankshaft:** High tensile strength steel forging. Bearing journals are induction hardened. Fully counterweighted.

**Cylinder Block:** Alloy cast iron with removable, wet liners.

**Cylinder Heads:** Each head serves two cylinders. Drilled fuel supply and return lines. Corrosion resistant inserts on exhaust valve seats.

**Damper, Vibration:** Viscous type.

**Fuel System:** Cummins AFC-VS (plugged) wear-compensating system with integral, dual, flyball type, mechanical variable speed governor. Camshaft actuated injectors.

**Gear Train:** Heavy duty, located at front of cylinder block.

**Lubrication:** Force feed to all bearings, gear type pump.

**Pistons:** Aluminum, cam ground, with three compression and one oil ring.

**Piston Pins:** 2 in. (51mm) diameter, full floating.

**Thermostat:** Single unit, modulating by-pass type.

**Valves:** Dual intake and exhaust each cylinder. Each valve  $1\frac{7}{8}$  in. (48mm) diameter. Heat and corrosion resistant face on exhaust valve.