



# CATERPILLAR

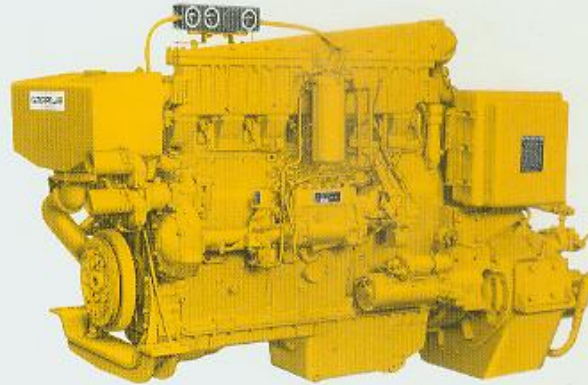
MARINE PROPULSION ENGINE

**3406**

**250 - 402 hp**

## Features

- Fuel Efficient — low friction three-ring piston design . . . direct injection fuel system
- Reliable, Durable — big displacement . . . steel spacer plate between head and block to eliminate counterboring
- Compact and Easy to Maintain — adjustment-free fuel system . . . spin-on fuel and lube filters . . . 60% parts reusability
- Complete Packages — Cat generators and 7200 series transmissions designed for Cat Engines . . . matched packages for ease of installation and maximum operational efficiency



TA Shown with Accessory Equipment

## Standard Equipment

- Air Intake  
service indicator with dry air cleaner
- Cooling  
expansion tank, water pumps, thermostats, lube oil and transmission oil cooler
- Exhaust  
watercooled exhaust manifold and turbocharger
- Flywheel and Flywheel Housing, SAE No. 1
- Fuel  
priming and transfer pumps, filter
- Governor, hydra-mechanical
- Instruments and Gauges  
panel with oil pressure, fuel pressure, and coolant temperature gauges  
tachometer drive, service meter
- Lubricating  
oil pump, manual sump pump, oil filters

## Accessory Equipment

- Air Cleaner Adapter
- Control  
remote-mounted pilot house controls
- Cooling  
auxiliary pump, heat exchanger
- Exhaust  
muffler, watercooled elbow
- Fuel, primary filter
- Instruments and Gauges  
engine-mounted premium panels, pilot house panels, tachometer
- Power Takeoffs  
auxiliary drive, front enclosed clutches, hydraulic pump drive
- Protection Devices  
coolant temperature and oil pressure contactors, overspeed and solenoid shutoffs
- Starting  
air, electric

## Specifications

In Line 6, 4-Stroke-Cycle Diesel

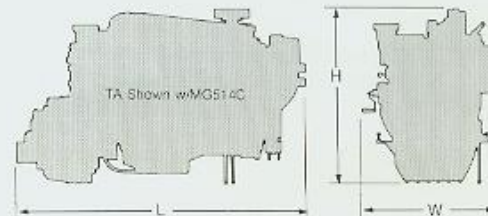
|   |                  |
|---|------------------|
| Bore — in (mm)                          | 5.40 (137)       |
| Stroke — in (mm)                        | 6.50 (165)       |
| Displacement — cu in (liter)            | 893 (14.6)       |
| Rotation (from flywheel end)            | Counterclockwise |
| Weight, Net Dry (approximate) — lb (kg) |                  |
| Turbocharged (T)                        | 3,090 (1403)     |
| Turbocharged-Aftercooled (TA)           | 3,240 (1470)     |

## Marine Transmission

Transmission Weight, Net Dry (approximate) — lb (kg)

|                               |             |
|-------------------------------|-------------|
| MG509 1.45:1, 2:1, 2.95:1     | 555 (251)   |
| MG509 3.83:1, 4.5:1           | 715 (324)   |
| MG514C 2:1, 2.5:1, 3:1, 3.5:1 | 1,150 (522) |
| MG514C 4.5:1, 6:1             | 1,360 (617) |

## Dimensions



|         |                               | L           | H           | W           |
|---------|-------------------------------|-------------|-------------|-------------|
|         |                               | in          | mm          | in          |
| 3406 T  | MG509—1.45:1, 2:1, 2.95:1     | 54.8 (2153) | 48.9 (1241) | 41.4 (1053) |
| 3406 T  | MG509—3.83:1, 4.5:1           | 58.0 (2236) | 51.5 (1309) | 41.4 (1053) |
| 3406 TA | MG514C—2:1, 2.5:1, 3:1, 3.5:1 | 90.1 (2290) | 54.5 (1385) | 41.4 (1053) |
| 3406 TA | MG514C—4.5:1, 6:1             | 93.8 (2382) | 61.5 (1562) | 41.4 (1053) |