Features

**CYLINDER BLOCK:** Spherical graphite cast iron for maximum vibration dampening.

**CYLINDER HEAD:** Marine chrome nickel alloy iron with spherical combustion chamber for smooth running and clean exhaust.

**CRANKSHAFT:** High grade steel, statically and dynamically balanced. Drilled for pressure lubrication.

**OIL PAN:** Stamped steel, detachable for inspection purposes.

**COOLING SYSTEM:** Closed fresh water.

**FUEL SYSTEM:** Bosch fuel injection system. Fuel filter with replaceable element.

**LUBRICATION:** Full pressure lubrication with full flow spin-on oil filter.

**TRANSMISSION:** Drop center gear with helical gears and a mechanical friction clutch permit free wheeling of the propeller with no effect on the gear. Standard reduction ratio of 1.9:1. Lubricated separately from the engine.

**FLEXIBLE MOUNTS:** Engine equipped with four point adjustable mounting for ease of installation and minimum vibration.

**ELECTRICAL SYSTEM:** 12 volt system standard. Marine type 51 Amp alternator with transistorized regulator, electric starter with solenoid for remote starting.

**GLOW PLUGS:** For easy starting year around.

**Standard Equipment**

- Fresh water cooling, electric start, shift lever, sea water pump, alternator, flex mounts, lifting eye, Hurth reduction transmission, fuel pump, fuel filter, lube oil filter, glow plugs and EZ-bleed fuel system.

**Propeller Rotation**

- Right hand propeller.

**Optional**

- On-board spare parts kit.

When Mother Nature takes the wind out of your sails, nothing will put it back like a Universal Diesel. Smoothly. Dependably. With the right combination of high torque and low R.P.M. to get you where you want to go... quiet as the wind.

With a choice of seven models ranging from 11 to 44 horsepower, there's a lightweight, compact Universal Diesel engine that's exactly the right size for your boat.

**THE LEADER IN MARINE POWER SINCE 1898**
M-50 installation dimensions

**specifications**

- **Engine Type**: 4 cy
- **Number of Cylinders**: 4-Verti c
- **Displacement**: 115 Cu. In.
- **Bore**: 3.3 In.
- **Stroke**: 3.25 In.
- **Starter**: 12 Volt
- **H.P./KW**: 44 @ 3000 RPM/32.8
- **Alternator**: 12 Volt 51 Amp
- **Maximum Installation Angle**: 15°
- **Engine Weight**: 545 Lbs.
- **Propeller Rotation**: Right Hand

**Deluxe Panel**
- On/off key switch
- Pre-heat button
- Start button
- Oil pressure light
- Battery output
- Tachometer
- 10' extension harness

**Distributed by:**

**Universal Motors**

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