The Universal Diesel, designed and engineered to power the world's finest sailboats and small craft, offers the features you want most in an auxiliary diesel engine. Smooth, quiet operation. Clean burning exhaust. Very low fuel consumption. High torque at low R.P.M. for more pushing power when you need it.

Whether you're powering a new boat or repowering an "experienced" one, insist on the finest. Universal Power for Sail... there is no other.

**Features**

**STANDARD EQUIPMENT**
- Electric start, shift lever, sea water pump, alternator, flex mounts, hand sump pump, lifting eye, Hurth reduction transmission, fresh water cooling, fuel pump, fuel filter, lube oil filter, decompression and glow plugs.
- Spherical graphite cast iron for maximum vibration dampening.
- Marine chrome nickel alloy iron with spherical combustion chamber for smooth running and clean exhaust.
- High grade steel, statically and dynamically balanced. Drilled for pressure lubrication.
- Stamped steel, detachable for inspection purposes.
- Cast iron, fully water jacketed for sea water resistance.
- Bronze sea water tubes with removable end for fast, easy inspection and cleaning.
- Rubber impeller sea water pump.
- Bosch fuel injection system for minimum repairs. Fuel filter with replaceable element.
- Full pressure lubrication with full flow spin-on oil filter. Transmission separately lubricated. (Type A oil).
- Drop center gear with helical gears and a mechanical friction clutch. Permitting free wheeling of the propeller with no effect on the gear. Shifting requires very little effort. Standard reduction ratio of 2:1.
- Engine equipped with three or four point adjustable mounting for ease of installation and minimum vibration.
- 12 volt system standard.
- Marine type 55 Amp alternator with transistorized regulator, electric starter with solenoid for remote starting, electric fuel pump.
- For easy starting year around.
  - Manually operated for bleeding fuel system or cranking engine when batteries are weak.
  - Right hand propeller.

**Optional**

On-board spare parts kit. Instrument panel.
Flexible coupling.
installation dimensions

specifications

Engine Type ............................................. 4 cycle
Number of Cylinders ................................. 3-Vertical
Displacement ........................................... 68 Cu. In.
Bore .......................................................... 3 in.
Stroke ..................................................... 3.25 in.
Starter and Fuel Pump ............................... 12 Volt

Maximum Horsepower ............................. 30
Continuous Horsepower ......................... 24 @ 2800 R.P.M.
Alternator ............................................... 12 Volt 55 Amp
Maximum Installation Angle .................. 15°
Engine Weight ........................................ 425 Lbs.
Propeller Rotation .............................. Right Hand

TORQUE FT.-LBS.

FUEL LB.-H.P.-HR.

Universal Motors
P.O. BOX 3008 • OSHKOSH, WISCONSIN 54903
(414) 231-4100
distributed by:

Subject to modification without notice.