

DISCOUNT

# UNIVERSAL DIESEL

## Model 18 34.8 CU. IN.

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

FRESH WATER COOLING: 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, decompression and glow plugs.

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.

EXHAUST MANIFOLD: Cast iron, fully water jacketed for sea water resistance.

FRESH WATER COOLING: Rubber impeller sea water pump, with cast iron circulating pump.

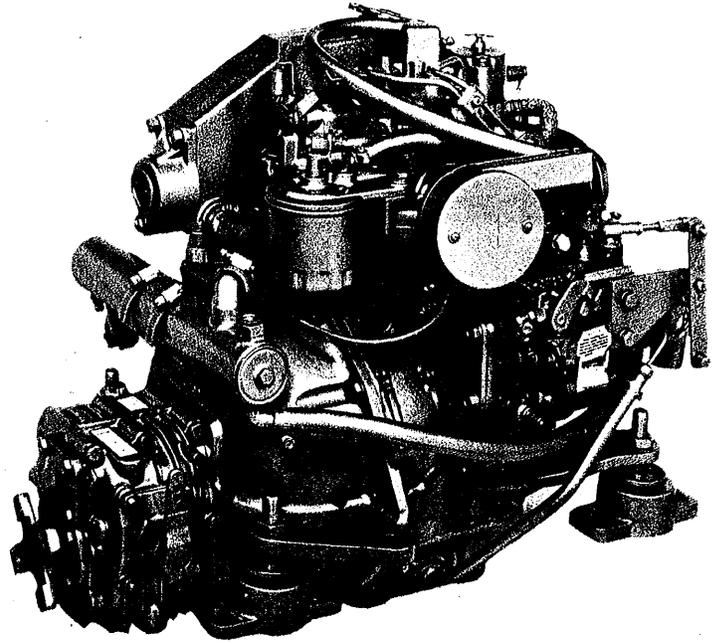
FUEL SYSTEM: Bosch fuel injection system for minimum repairs. Fuel filter with replaceable element.

LUBRICATION: Full pressure lubrication with full flow spin-on oil filter. Transmission separately lubricated.

(ATF-Dexron II D or equivalent)

TRANSMISSION: 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. Lubricated separately from the engine.



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

ELECTRICAL SYSTEM: 12 volt system standard. Marine type 55 Amp alternator with transistorized regulator, electric starter with solenoid for remote starting.

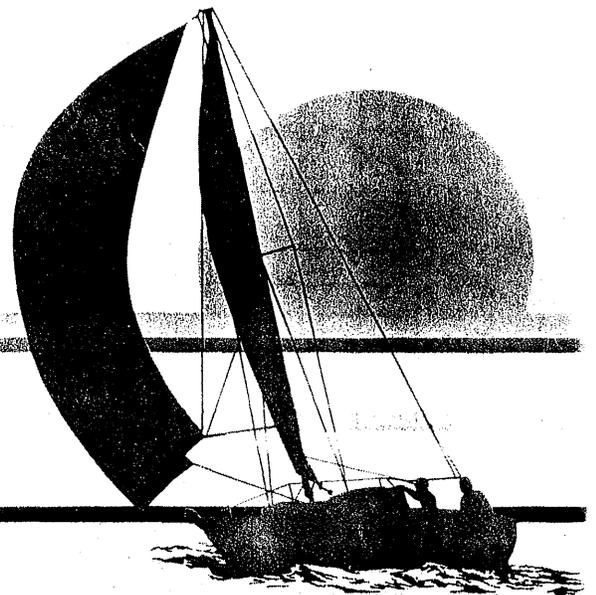
GLOW PLUGS: For easy starting year around.

DECOMPRESSION: Manually operated for bleeding fuel system or cranking engine when batteries are weak.

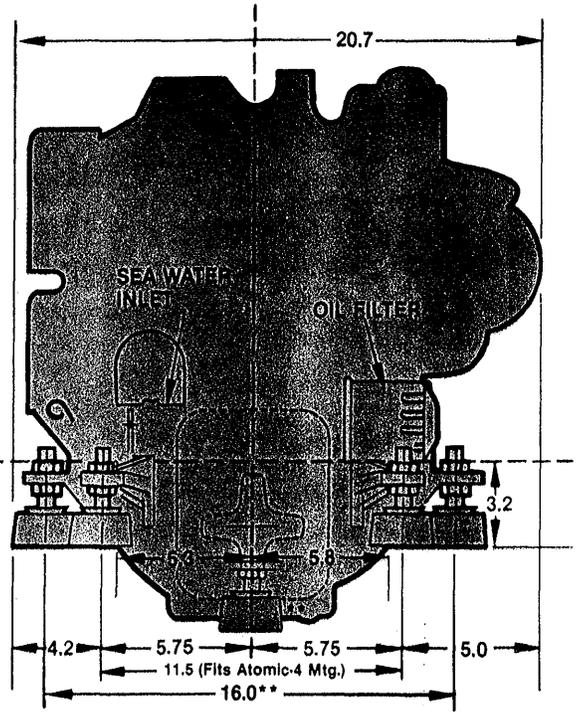
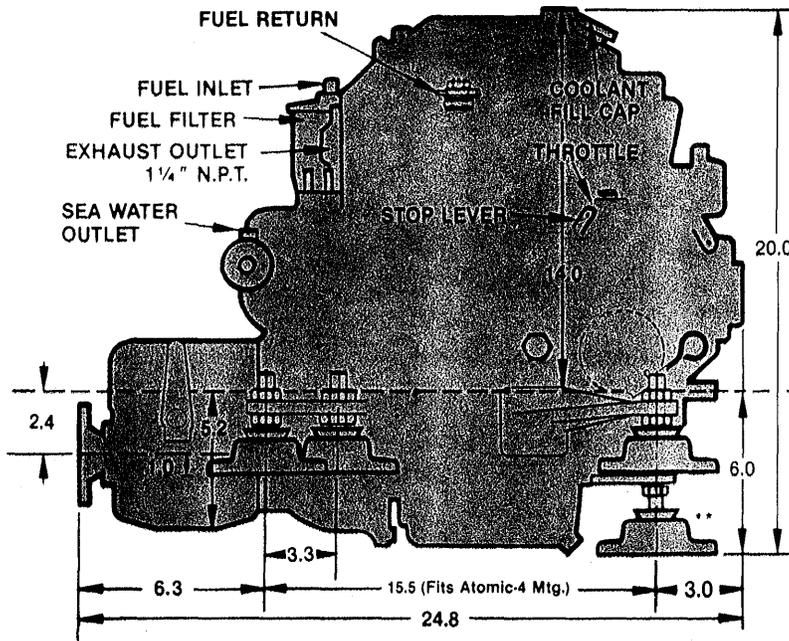
PROPELLER ROTATION: Right hand propeller.

### Optional

On-board spare parts kit. Instrument panels. Flexible coupling. E-Z Align V-Drive gear.



# Installation dimensions



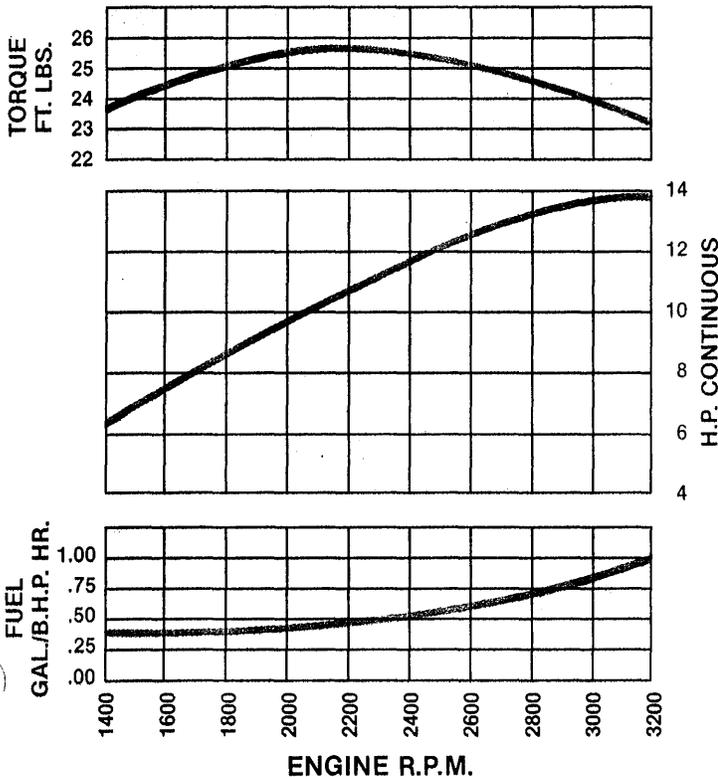
Dimensions approximate, drawings are not to scale.

\*\*3 Point mounts optional.

# specifications

Engine Type ..... 4 cycle  
 Number of Cylinders ..... 2-Vertical  
 Displacement ..... 34.8 Cu. In.  
 Bore ..... 2.83 In. .... Stroke ..... 2.76 In.  
 Starter ..... 12 Volt

Continuous Horsepower ..... 14 @ 3200 R.P.M.  
 Alternator ..... 12 Volt 55 Amp  
 Maximum Installation Angle ..... 15°  
 Engine Weight ..... 255 Lbs.  
 Propeller Rotation ..... Right Hand



Note: Propeller load will decrease fuel consumption rate.

distributed by:

**Universal Motors**

PO BOX 3008 • OSHKOSH, WISCONSIN 54903 (414) 231-4100

Specifications subject to modification without notice.