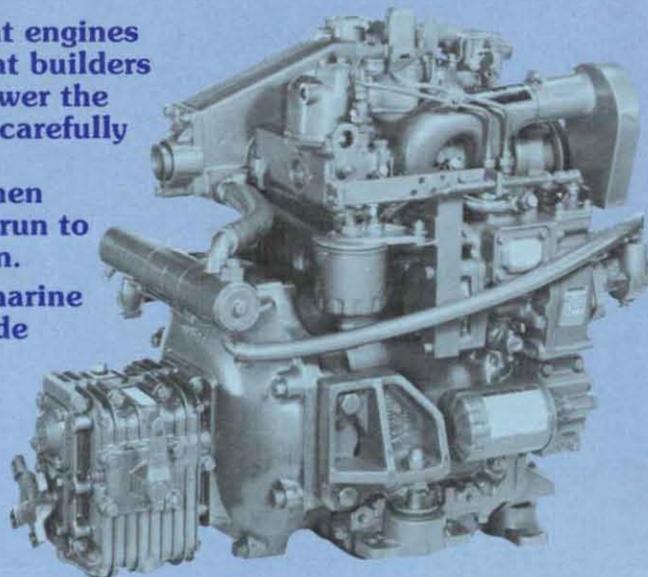


# NEW Universal Diesel 16 hp auxiliary sailboat engines

The new Universal Diesel line of auxiliary sailboat engines is now available to discriminating sailors and boat builders the world over. They are designed primarily to power the world's finest sailboats. Each Universal Diesel is carefully crafted by experienced mechanics to assure long dependable service and smooth operation. It is then subjected to a comprehensive dynamometer test run to assure its operational excellence after installation.

Every Universal Diesel is backed by 78 years of marine engine experience and is supported by a worldwide network of established, skilled dealers.

Whether you're powering a new boat or repowering an "experienced" one, stay on the move with Medalist. Demand the finest in auxiliary sailboat power – Universal Diesel.



Model 5416

## features

**STANDARD EQUIPMENT:** Shift lever, electric start, alternator, sea water pump, and vibro mounts, hand sump pump, lifting eye, fresh water cooling, electric fuel pump reverse reduction gear.

**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.

**HEAT EXCHANGER:** Bronze sea water tubes with removable end for fast, easy inspection and cleaning.

**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 to bearings, with full flow spin-on oil filter. Reverse gear separately lubricated.

**REVERSE GEAR:** 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.

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

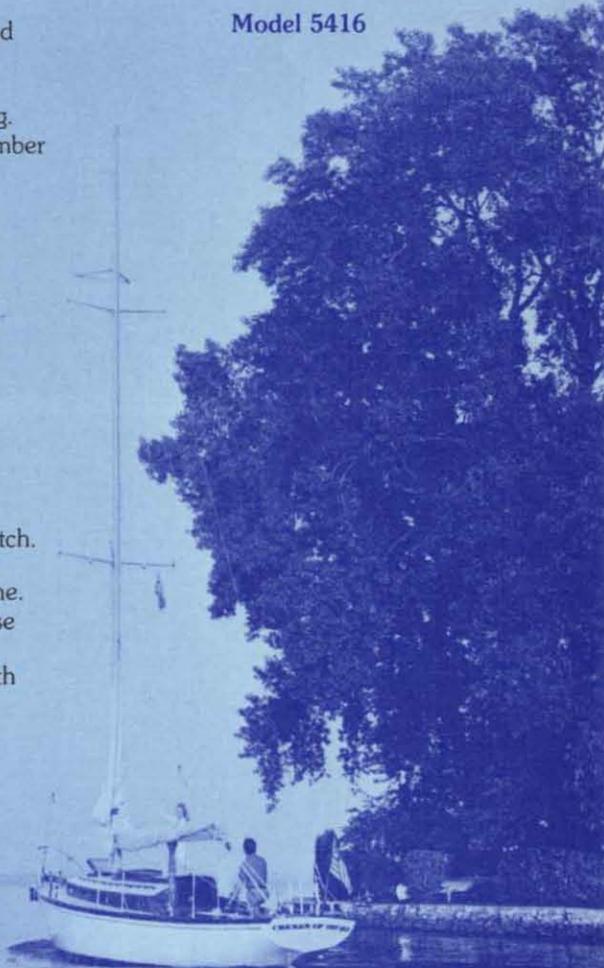
**ELECTRICAL SYSTEM:** 12 volt system standard. Marine type 55 Amp alternator with transistorized regulator, electric starter with solenoid for remote starting, electric fuel pump.

**PROPELLER ROTATION:** Right hand propeller.

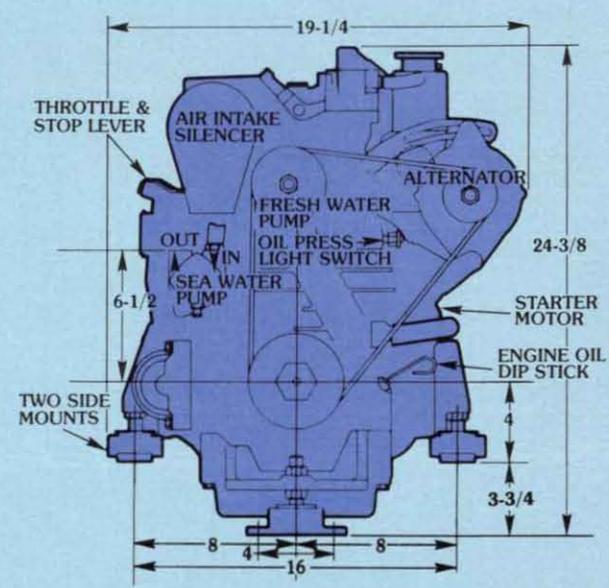
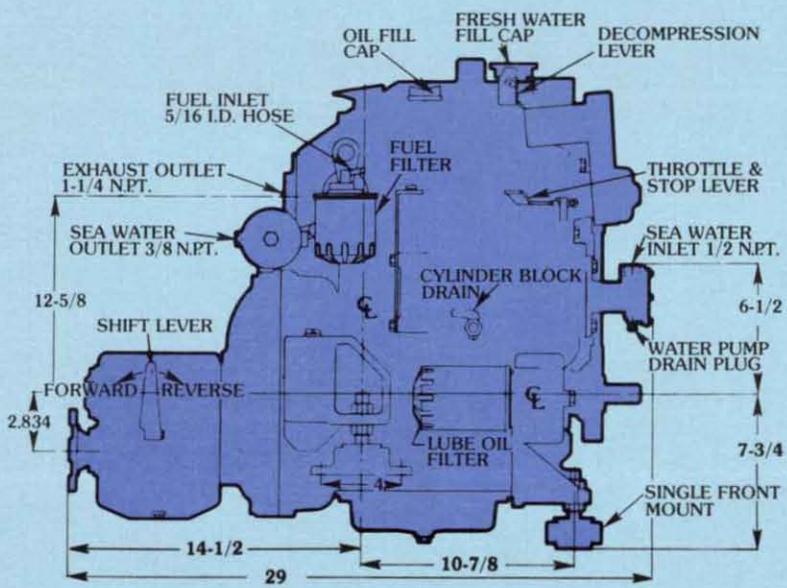
**GLOW PLUGS:** For easy starting in cold weather.

## options

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



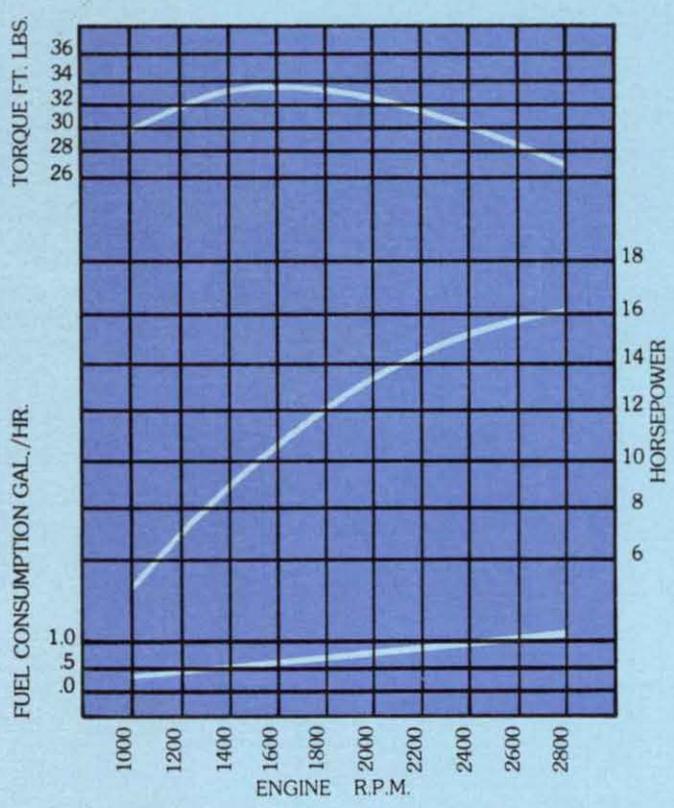
# installation dimensions



# specifications

Engine Type . . . . . 4 cycle  
 Number of Cylinders . . . . . 2-Vertical  
 Displacement . . . . . 45 Cu. In.  
 Bore . . . . . 3 In. . . . . Stroke . . . . . 3.25 In.  
 Starter and Fuel Pump . . . . . 12 Volt

Alternator . . . . . 12 Volt 55 Amp  
 Maximum Installation Angle . . . . . 15°  
 Horsepower . . . . . 16@2800 RPM  
 Propeller Rotation . . . . . Right hand  
 Engine Weight . . . . . 365 Lbs.



Medalist  Universal Motors  
 P.O. BOX 2508 OSHKOSH, WISCONSIN 54901  
 (414) 231-4100

**distributed by:**

Subject to modifications without notice.