The Legend Continues

Makers of the world famous Atomic-4 and pioneers in premium marine diesel propulsion, Universal has struck again with its latest release, the Universal B-Series.

The B-Series is powered by the latest advancements in diesel engine design. Some of the benefits from these advancements include cleaner emissions, reduced noise levels, and increased horsepower. All B-Series engines are naturally aspirated and deliver high low-end torque. All of which produce some of the most quiet and durable marine engines currently available.

If you’re looking to replace that aging Atomic-4, the Universal B-Series is still the boaters choice for Atomic-4 replacements**. The M3-20B, and M-25XPB offer many similar dimensional characteristics to the Atomic-4, making for a much easier installation.

Universal holds a large inventory of spare parts for your engine including easy-to-buy spare parts kits, and gasket sets tailored to your particular engine.

Parts and service are available worldwide. Universal engines can be serviced by over 600 authorized dealers strategically located in major navigable waterways in the United States and Canada, as well as in over 65 countries worldwide.

It’s easy to see why Universal is as popular today as it was 100 years ago. Stop by your local Universal Distributor or Dealer today to learn more about the latest in Universal Marine Power.

** Universal Atomic-4 replacements are not direct drop-ins in all cases. Some engine compartment reconfiguration may be required.

Standard Features

- Fresh water cooling
- Circuit breaker protected electrical system
- Gear driven raw water pump
- Engine pre-wired to plug-in connector
- E-Z bleed fuel system
- 12 volt, 51 ampere alternator
- Domestic hot water connection
- Coolant recovery tank
- Throttle, stop, and shift control brackets
- Low oil pressure and high water temperature alarms
- Transmission with 2.05:1 reduction
- Glow plug cold starting aid
- Engine matched four point, fail safe, adjustable mounts
- Lube oil drain hose
- Air intake silencer
- Operators’ Manual and Parts List
- Complies with U.S. EPA regulations

Unit Dimensions

Length 28.4" (721.4 mm)
Width 18.9" (480.1 mm)
Height 22.1" (561.3 mm)
Weight 295 lbs. (133.8 kg)

See other side for more dimension information
Photographs may show optional equipment.
Specifications

Number of cylinders: 3 Cylinder vertical in-line
Cycles: 4 Cycle
Displacement: 61.2 cu. in. (1.0 liters)
Bore and stroke: 2.99" x 2.90" (76 mm x 73.6 mm)
Compression ratio: 23:1
Maximum angle of installation: Not to exceed 14 deg.
Maximum angle of rotation: Not to exceed 25 deg.
Crankshaft, direction of rotation: Counterclockwise as viewed from flywheel end
Propeller shaft, direction of rotation: Right hand - Std. Trans.
Dry weight: 295 lbs. (134 kg)
Combustion system: Spherical type
Aspiration: Naturally aspirated
Lubrication system: Forced lubrication by gear pump
Coolant capacity: 4.0 qts. (13.8 liters)
Starting aid: 12 Volt sheathed type glow plug
Engine stop: Manual
Fuel injection pump: Bosch type
Governor: Centrifugal type
Injectors: Throttle type
Fuel filter: Full flow, spin-on element
Lube oil filter: Full flow, spin-on element
Lubricant capacity: 4.0 qts. (3.8 liters)
Fuel transfer pump: Electrical
Fuel supply and return piping: 1/8" ID (3.18 mm) minimum
Starting motor: 12 volt, solenoid, actuated shift
Battery charging alternator: 51 ampere (12 volts)
Cold cranking amps: 190 amps
Electrical system: 12 volts DC, negative ground
Standard transmission offset: 2.44" (62.0 mm)

Construction – Engine Components

Cylinder head: Cast iron
Cylinder block: Cast iron
Crankshaft: Forged crankshaft, four main bearings
Valves: Overhead, rotating type
Fuel System: E-Z bleed fuel system
Intake system: Tuned intake silencer for maximum noise reduction
Cooling system: Fresh water-cooled with heat exchanger
Exhaust manifold: Cast aluminum

Standard Equipment

Standard gear ratio: 2.05:1
Mounting centers: 11.5", 16.0"
Flexible mounts: Engine matched adjustable fail safe neoprene type
Domestic hot water connection
Coolant recovery tank
Battery charging alternator: 51 amp, 12 volt
Starting aide
Control brackets: Throttle and shift
Prewired Engine
Gear-driven sea water pump
Lube oil drain hose
Oil fill: Top
Circuit breaker protected electrical system
Operator’s Manual and Parts List

Optional Equipment

Captain panel with alarm (tachometer with lights)
Admiral panel with alarms (tachometer with gauges)
Dual station senders
Other gear ratios: Consult local Distributor
Hydraulic transmissions: Consult local Distributor
Remote expansion tank
Muffler and fittings
“A” and “B” on board spare parts kits
Alternate, 72 amp single output
Anti-siphon valve for overboard cooling discharge water
Technical Manual
Exhaust connection (45 deg., 90 deg., elbows, risers)
Propeller shaft couplings (rigid/ flexible) – available standard sizes

Basic Dimensions

inches (millimeters)