You don't have to resort to 3000 r.p.m. to have a set that fits.

Only have inches to spare? The 1800 r.p.m., M643 will fit.
Even in a sound shield its smaller than other sets that produce less power. It lighter too. Only 345 pounds. 135 less then the competition.
But don't compare this 1800 rpm workhorse to the 3600 rpm sets you've seen — and heard! We trimmed size, not quality.
Instead of a rough, two cylinder diesel, the M643 has a smooth, quiet Luger three.
The unitized freshwater cooling and gear driven water pump minimize troublesome belts, hoses and gaskets. And to resist corrosion, the manifold is cast iron instead of aluminum.

Strong but gentle. The AC generator has an automatic voltage regulator that protects your electronics with 'clean' closely regulated power.
Special AC windings power the AVR so it can respond faster and start larger electric motors and air conditioners.
So all this adds single side service, safety shutdowns, a control panel with a 20-foot harness, a fuel system that vents itself, a coat of sparkling polyurethane paint and you now have a set that is every inch a Northern Lights.
There are just fewer inches.
**MU43 SPECIFICATIONS**

**Engine**
- Marine diesel... [Specifications]
- Cylinders... [Specifications]
- Displacement... [Specifications]
- Horsepower... [Specifications]

**Installation Data**
- Wet exhaust... [Specifications]
- Raw water inlets... [Specifications]

**Dimensional Data**
- Main dimensions given in inches (mm). Dimensions subject to change without notice.

**MU43 FEATURES AND BENEFITS**

**Engine Block**
- Largely modular, 4 cylinder, liquid cooled, naturally aspirated, overboard valve marine diesel.
- Swirl combustion chambers improve fuel efficiency and reduces smoke.
- Glow plugs for quick cold starting.

**Cooling System**
- Freshwater cooling system.
- One piece heat exchanger, expansion tank and exhaust manifold. Fleece hoses and gaskets. Cast iron construction resistant corrosion, electrolysis, and heat better than aluminum extrusions.
- Cast iron exhaust manifold is freshwater cooled for safety and longevity.
- Zinc anode electrolysis protection.
- Heat exchanger cooling is standard.
- In cold, tube-type heat exchanger. Alumium-type raw water pump of brass and stainless steel is gear driven, no belts to break.
- Keel cooling configuration optional.

**Fuel System**
- Fuel system is self venting.
- Injection pump with 3-8% mechanical governor for clean AC power frequency control.
- Pindle injecitors with replaceable tips.
- Mechanical lift pump with hand primer.
- Large spin-on fuel filter.
- Steel fuel lines.
- Stop valve controls fuel rack, not throttle. Eliminates speed variance.

**Intake and Exhaust**
- Cleanable air cleaner in cast intake manifold reduces intake noise.
- [Specifications]

**AC Generator**
- Northern Lights direct coupled, 4 poles, revolving field, 4 load reconnectable generator with Class F insulation and pre-lubricated bearings.
- External automatic voltage regulator gives you 5% voltage regulation. The 'green' power produces your sensitive electronic equipment. AVR is powered by a dedicated AC wiring for improved motor starting.
- AVFI and mainline fuses protect generator from AC overloads and shorts.

**Special Equipment**
- Steel base frame with drip pan. Easy to mount. Keeps engine room clean.
- Platform mounts isolate vibration.
- White polyurethane paint for long-life finish and service visibility.
- Operator's parts manuals standard.

**Northern Lights Sound muffler minimizes engine noise.**

**DEALER:**

[Image]