

Clean Power. Clear Air. Complete Comfort.



NORTHERN LIGHTS

The Competitive Advantage

*Northern Lights - the recognized standard of excellence in marine power generation.
How do Northern Lights products stack up to the competition?*

Northern Lights marine generator sets (5-20 kW @ 1800 RPM; 4.5 kW - 16 kW @ 1500 RPM)

Northern Lights

- Common service points, including filters, fills and drains are on a single side. In addition to easy access, this permits the generator set to be installed near a wall or bulkhead, saving valuable space.
- Engine provides high torque at low RPM.
- Experienced engineering and high-quality components reduce belts and hoses to a minimum.
- Single-piece cast iron heat exchanger, expansion tank and exhaust manifold. Resistant to corrosion and electrolysis.
- Cupro-nickel heat exchangers and cast iron manifolds resist corrosion and electrolysis. They empty of seawater when not in use and don't require zincs.
- Seawater pumps are gear driven (no belts) and use mechanical water seals.
- Simple DC logic design is reliable, inexpensive and simple to repair. NMEA2000 digital data and control are available with optional WaveNet. Relays are easy to replace when required.
- Integrated base frame and enclosure design creates a quiet, clean, compact package. Allows for double isolation mounts. High-grade stainless steel latches.
- Auxiliary winding for 300% short circuit protection. This protects the overall generator, and is required by many classification societies.
- Manifold equipped for the easy installation of shutdown and pre-alarm switches.

Competitor

- Service points are difficult to access and dictate the genset's placement in the engine room.
- Based on higher RPM engines that have a shorter engine life.
- Low-cost, unreliable belts and hoses used throughout.
- Engine components are welded together. These welds can fail in a marine environment. Heat exchangers use aluminum or plastic intakes.
- Copper heat exchangers and aluminum exhaust manifolds are more prone to corrosion and need zinc replacement.
- Pumps are difficult to access, are belt driven and have rubber lip seals, which are prone to degradation through drying and expansion.
- Electrical system uses printed circuit boards which are more expensive and less reliable.
- Sound enclosure has less impressive vibration and sound attenuation. More latches; inferior quality.
- Classification compliance through short circuit protection available as an option, not standard.
- Shutdown and pre-alarm switches are not readily available, and are not easily installed.

In addition to all of the above, Northern Lights products are backed by a dealer network over 350 strong in more than 40 countries, with unparalleled factory support.

By any measure, Northern Lights power generation systems are the world's best.



*M673LD3 5 / 4.5 kW
in optional sound enclosure*

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