This 9 kw is state-of-the-art and the right size.

The M773LK incorporates the best of Northern Lights into one compact and versatile package. Rated at 9 kW in its 60 Hz configuration and 7 kW in its 50 Hz configuration, the M773LK is big enough for many onboard tasks, yet small enough to fit comfortably in most vessels. It means growing onboard power demands without asking for a lot of engine room space.

The M773LK was engineered to deliver its power at a quiet, long-lasting 1800 rpm. Driven by a high-torque Luerz diesel and fitted with a powerful brushless copper-heavy generator, the M773LK starts electric motors with ease. Naturally clean and efficient, the M773LK meets current and foreseeable emissions requirements.

Like all Northern Lights, simplicity and longevity are the focal points. Hoses and belts have been eliminated whenever possible.

- Junction box contains AC terminal strip, DC breaker, AC circuit breaker for the solid state AC automatic voltage regulator.
- Recovery bottle fits inside sound enclosure.
- Northern Lights single phase reconnectable direct coupled generator.
- DC wire harness with plug-less protected by plastic loom.
- Spin-on oil and fuel filters.
- Four plate-form vibration isolation mounts for smooth operation.
- Sparking white Polyurethane paint for high visibility.
- Cast valve cover with oil fill and cast intake manifold with air filter/silencer. Reduces valve train noise.
- Single point lifting eye.
- Bosch type in-line injection pump.
- Freshwater cooled with one piece, cast iron heat exchanger, expansion tank and exhaust manifold.
- NPT fuel line connections.
- Welded steel base with integral drip pan.
- Removable heat exchanger and covers for easy cleaning.
- Battery charging 12 volt alternator.
- Beltguard.
- Mechanical fuel supply pump with hand primer.
- Top and side oil fills.
- Gear driven seawater pump with mechanical seals.
**M773LK Specifications**

<table>
<thead>
<tr>
<th>AC Output</th>
<th>5.0 kW</th>
<th>60 Hz, 1800 RPM, 1 Ph, 0.9 PF, 105-240 V/277.5 A, 120/208 V/230 V, 10 A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage regulation</td>
<td>±1%</td>
<td></td>
</tr>
</tbody>
</table>

**Luzier L735 Engine**

<table>
<thead>
<tr>
<th>Type</th>
<th>Vertical inline 3 cylinder diesel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Displacement</td>
<td>48.0 cu. in. (0.8 L)</td>
</tr>
<tr>
<td>Bore/Stroke</td>
<td>3.02 x 3.98 in. (76.8 x 101.6 mm)</td>
</tr>
<tr>
<td>HP @ 1800 RPM</td>
<td>15.0</td>
</tr>
<tr>
<td>Approx. fuel use @ full load</td>
<td>3.90 gph (15 L/hr)</td>
</tr>
<tr>
<td>@ half load</td>
<td>0.48 gph (1.8 L/hr)</td>
</tr>
</tbody>
</table>

**Installation Data**

<table>
<thead>
<tr>
<th>Net exhaust elbow</th>
<th>90° offset, 2.25&quot; (57 mm) OD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Raw water inlet</td>
<td>2-1/4&quot; (57 mm) OD</td>
</tr>
<tr>
<td>Fuel inlet and return</td>
<td>1-1/4&quot; (32 mm)</td>
</tr>
</tbody>
</table>

**Weight**

| Approx. start weight | 512 lbs (222 kg) |

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**M773LK Features and Benefits**

**Engine Block**
- Liqui-Cool live cycle, 3-cylinder liquid cooled, no metal joint, overhead valve diesel
- Seal combustion chambers improve emissions and reduce noise
- Glow plugs for quick starting

**Cooling System**
- Frostwater cooling in heat exchanger or liquid cooled configuration with thermostatic temperature control
- One pump heat exchange, expansion tank and exhaust manifold. Thermostatic oil and gas systems are eliminated. The air-cooled engine uses water and coolant to perform these functions, which result in lower emissions than aluminum castings used on some competitive sets
- Heat exchanger cooling includes: Easy to clean, tube-type heat exchanger, Raw water pumps of bronze and stainless steel. Pump is mounted for easy access and is gear driven. No belts to fail

**Fuel System**
- Fuel system is self-flowing
- Body-type injection pump with 5% mechanical governor for close AC output frequency control
- Pressure regulators with replaceable plugs
- Mechanical fuel supply pump with hand primer. No electric pump to fail
- Large 12-volt fuel filter
- Flexible fuel lines routed to base for easy connection to fuel system
- Stop dead control fuel rack, not throttle. Eliminates speed variance

**Intake and Exhaust**
- Centrifugal air intake cleaner in cast intake manifold reduces intake noise
- Cast iron, rear exhaust elbow for safety. Dry exhaust elbow optional
- 2 inch water lift muffler optional

**Lubrication System**
- Full flow, spin-on oil filter with bypass
- 4-quart, 4 liter oil capacity
- Oil filter for quick clean oil changes

**DC Electrical System**
- Save more on the wires instead of reusable printed circuit boards
- 12 volt starter motor and 12 volt battery charging alternator with integrated regulator and belt guard

**Optional Equipment**
- Steel base frame with drip pan. Easy to mount. Keeps engine room clean
- Four point vibration mounts isolate vibration for smooth, quiet operation
- Black powder-coat paint for a long-life finish and serviceability
- Operator's and parts manuals standard

**Classification Standards**
- The M773LK is built to major classification society standards. Consult factory for details

**Manufactured by Alaska Diesel Electric, Inc.**

**Dimensions**

- Length: 32.38 (822)
- Width: 19.13 (486)
- Height: 23.25 (591)

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