This Northern Lights 32 kW marine set combines the smooth, quiet Lugger 964 diesel with a 300K series generator end.

It takes a special generator set to fit all the requirements of 32 kW. First and foremost, it has to be able to deliver the kWs without complaint, yet it can't take up too much engine room space. It has to run smoothly, cleanly, efficiently and most of all reliably. The Northern Lights M984K is just such a generator, and has proven itself in years of service around the world.

Clean and quiet, the M984K has the latest in noise and vibration abatement features. Double wall oil pan, isolated valve cover, helical timing gears, soft mounts and a noise make air intake silencer all reduce engine noise. For even quieter operation, consider an optional sound shield.

The M984K fits at 54.57 inches long, it can find a place in most engine rooms. Compact and lightweight, the M984K weighs in at only 1219 lbs. (553 kg). Versatile too. Need hydraulic power? Add a front power take-off with an electric clutch. At the touch of a switch you have up to 42 horsepower for bow thrusters, roller furling, anchor winches and other deck gear.

To all this add one-side service, plug-in instrument panels, safety shut-downs, polyurethane paint and a self-venting fuel system. In the end, you have more than a great generator. You have the confidence that comes with owning the very best... a Northern Lights.
**M984K Specifications**

**AC Current Single Phase**
- 32 kW: 60 Hz, 1800 RPM, 1 Ph, 1.0 PF, 120-240 VAC 1 PH 15 A, 120-208 VAC A
- 25 kW: 50 Hz, 1500 RPM, 1 Ph, 1.0 PF, 220 VAC 1 PH 14 A, 110 VAC 20 A

**AC Current Three Phase**
- 35 kW: 60 Hz, 1800 RPM, 3 Ph, 0.8 PF, 120/208 VAC 3 PH A, 120/240 VAC 3 PH A
- 27 kW: 50 Hz, 1500 RPM, 3 Ph, 0.8 PF, 220/380 VAC 3 PH A, 230/440 VAC 3 PH A

**Voltage regulation**
- 3.5% at 25% load

**Engine**
- Type: L1001
- Replacement: 275 of 2841
- HP @ 1800 RPM: 30.30
- Compression ratio: 14.1:1
- Engine: fuel at full load: 2.5 gph (9.8 l/h)
- Oil at half load: 1.4 gph (5.3 l/h)

**Installation Data**
- Wet exhaust: 3 in (7.6 cm) ID
- Fresh water intake: 6 in (15 cm) ID
- Exhast and return: 4 in (10.2 cm)

**Weight**
- Approx. dry weight: 1219 lb (553 kg)

**M984K Features and Benefits**

- **Engine Block**
  - Lugger, four cycle, 4-cylinder liquid-cooled, naturally aspirated, overhead valve marine diesel based on an industrial engine block
  - Cast aluminum induction, hardened forged carbon steel, stronger than cast iron
  - Eight valve balancing for smoothness
  - Helical cut and ground, carbon steel timing and PTU gears reduce noise
  - Cast iron head for efficient breathing
  - Sandwich oil pan reduces noise

- **Cooling System**
  - Freshwater cooling system in heat exchanger on liquid-cooled engine configuration
  - Large, easy fill expansion tank
  - Cast iron exhaust manifold is freshwater cooled for safety
  - No hot, dry kernels
  - Zink anode electrolysis protection
  - Heat exchanger cooling is added to clean engines for extreme heat exchange
  - Rotary pump of bronze and stainless steel is accessible
  - Optional oil pump requires no drive belts

- **Fuel System**
  - Fuel injection is direct over
  - Direct injection for fuel economy
  - Clean exhaust and fast starting
  - Dual spray injection pump with 9% mechanical governor for close AC output frequency control
  - No tilt, no tip, no replaceable tips
  - Mechanical fuel lift pump with hand priming
  - Large spin-on fuel filter
  - Flexible line to course to base
  - Dry access fuel line to base
  - Spool-valve control fuel rack, no throttle, for fast engine start-up

- **Lubrication System**
  - Full flow spin-on oil filter with bypass
  - Large capacity, center well oil pan
  - Automatic oil change for quick oil changes

- **DC Electrical System**
  - 12 volt starter and battery charging alternator with regulator
  - Standard panel: Remote mount S-3C with gauges for oil pressure, water temperature, hours and DC voltage
  - Optional: 3-4 panel for engine instruments other AC meters
  - 5 ft remote panel housing for remote monitoring

- **FTD Versatility**
  - Optional 2-bolt or 4 bolt, front power take-off with 12 or 24 volt electric clutch, up to 42 hp to run bow thruster, stern handling, deck winches and other shipboard hydraulic equipment

- **Classification Standards**
  - Meets all classification society standards

- **Options**
  - 24 V and isolated ground system available
  - Monitor your onboard comfort with a sound enclosure

**Manufacturer:** Alaska Diesel Electric, Inc.

**Dealer:**

**Dimensions:**
- Length: 114 (2901.8 cm)
- Width: 89.2 (226.4 cm)
- Height: 98.4 (2500.4 cm)

**Specifications:**
- Dimensions: subject to change without notice
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- All information, specifications, materials and dimensions subject to change without notice.

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