

## AC Output<sup>1</sup>

|                    |  |
|--------------------|--|
| <b>8 kW</b>        | 60 Hz, 1800 RPM, 1 Ph, 1.0 PF,<br>120-240 V/33.3A, 120 V/67A |
| Optional           | Three Phase with 0.8 PF                                      |
| Voltage regulation | ±1%  |

## Lugger L773L Engine

|              |                                   |
|--------------|-----------------------------------|
| Type         | Vertical inline 3 cylinder diesel |
| Displacement | 69 in <sup>3</sup> (1.13 ltr)     |
| Bore/Stroke  | 3.03/3.19 in (77/81 mm)           |
| HP @ RPM     | 15/1800 12/1500                   |

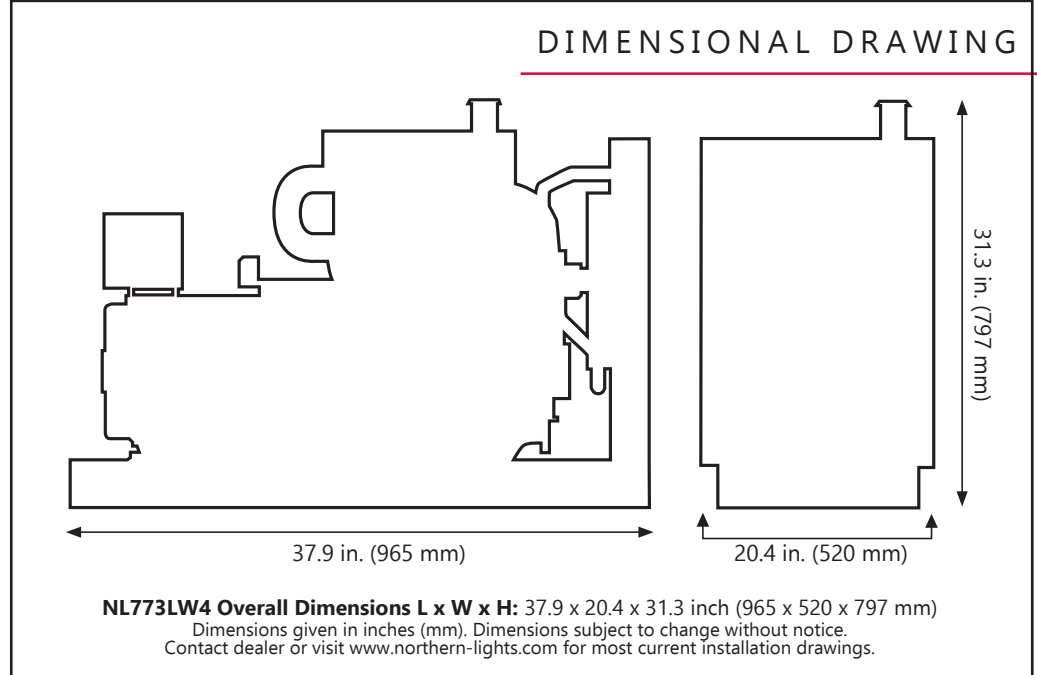
## Approx. fuel use

|                                   |                     |
|-----------------------------------|---------------------|
| 1800 RPM @ full load <sup>2</sup> | 0.93 gph (3.52 lph) |
| 1800 RPM @ half load <sup>2</sup> | 0.51 gph (1.93 lph) |
| 1500 RPM @ full load <sup>2</sup> | 0.72 gph (2.72 lph) |
| 1500 RPM @ half load <sup>2</sup> | 0.37 gph (1.4 lph)  |

## Installation Data & Weight

|                        |                     |
|------------------------|---------------------|
| Fuel inlet and return  | 1/4 inch NPT        |
| Exhaust Outlet         | 1 1/4 in (31.75 mm) |
| Approximate dry weight | 551 lbs (250 kg)    |

- Based on SAE J1995 and ISO 3046.
- Actual fuel consumption will vary depending on operating conditions.



## NL773LW4 FEATURES AND BENEFITS

### ENGINE BLOCK

- Four cycle, 3 cylinder, liquid cooled, naturally aspirated, overhead valve, industrial-duty diesel.
- Indirect injection with glow plugs for fast cold weather starts.

### COOLING SYSTEM

- Liquid-cooled with radiator and pusher cooling fan. Steel radiator shroud and fan guard protects the radiator and operator.

### FUEL SYSTEM

- Fuel system is self venting.
- In-block inline pump.
- Stop solenoid controls the fuel rack - not throttle - to eliminate speed variance and linkage issues.
- Engine speed governed to 5% for close AC frequency control.
- Pintle fuel injectors with replaceable tips lower service cost.
- Large spin-on fuel filter.
- Flexible fuel lines routed to fuel manifold for easy tank connectivity.

### LUBRICATION SYSTEM

- Pressure lubricated. Gerotor oil pump.
- Full flow, spin-on oil filter with bypass.
- 5 qt. (4.9 ltr) oil capacity for better lubrication.

### INTAKE AND EXHAUST

- Meets US EPA Tier IV emission requirements for cleaner air.
- Large, replaceable air filter protects engine in dusty environments.
- Unit mounted residential muffler.

### DC ELECTRICAL SYSTEM

- 12 volt system includes starter motor, battery charging alternator with solid state voltage regulator and DC circuit breaker.
- Standard, unit mount S-1B control panel has engine hour meter, start-stop switch with run light and preheat switch.
- Standard safety shutdowns for low oil pressure and high coolant temperature.
- Dual panel relays and quick disconnect harness plug-ins. With optional Y-harness and 10, 20 or 40 foot harness extensions, allows up to six remote control panels, up to 100 feet from the set.

### AC GENERATOR

- Northern Lights, direct coupled, brushless AC generator is maintenance free. 4 lead, 1 phase, 1.0 pf, 50 or 60 Hz output. 12 lead-3 phase is optional. Conservative heat rise rating: 95°C/50°C ambient.
- Automatic Voltage Regulator is powered by dedicated AC winding for true 300% short circuit capability. Quick ±1% RMS no load to full load voltage regulation. AVR has circuit breaker protection.
- Generator features high quality, Class "H" epoxy insulation, accessible diodes, over-sized bearing and junction box for wiring.
- High air flow from integral fan keeps generator running cool.

### SPECIAL FEATURES

- Welded steel frame provides rigid support and ease of installation.
- Enhanced fan guard for improved operator safety.
- Four centerbonded mounts isolate vibration.
- Long life, blue enamel paint finish.
- Full load testing at factory ensures trouble-free operation
- Operator's and parts manuals provided with each set.
- Custom shipping crate and carton.

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4**