Thermo Pro 50
Engine-Off Coolant Heater for Specialty Vehicles and Equipment

Coolant Heater Features:
- Auxiliary heating with up to 17,000 BTU/h of heating power
- The lightest heater in its class
- Tested to -50° F (-46° C)
- Compact size allows installation in a wide range of vehicles and equipment
- High product quality with long service life
- Low emissions due to efficient design
- Automatic high altitude adjustment up to 11,000 feet (3,350 m)
- Coolant inlet & outlet ports can be rotated 180°
- Remote mounted coolant pump

Be Ready For Work
The Thermo Pro 50 has been specially designed for use in specialty commercial vehicles and off-highway equipment. Its compact dimensions and lightweight design allow for installation in vehicles with limited space.

The heater pre-warms the engine eliminating cold starts, reducing harmful emissions, and increasing engine life. The heater’s innovative features and compact size offer multiple installation options and significant fuel savings.
### Technical Specifications

<table>
<thead>
<tr>
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<th>Thermo Pro 50</th>
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<tbody>
<tr>
<td><strong>Heating Capacity</strong></td>
<td>8,500 – 17,000 BTU/h (2.5 – 5.0 kW)</td>
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<tr>
<td><strong>Fuel Consumption</strong></td>
<td>0.08 – 0.17 gal/h (0.3 – 0.65 l/h)</td>
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<td><strong>Fuels (Suitability for special fuels)</strong></td>
<td>JP8, Diesel 1, Diesel 2, Arctic</td>
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<td><strong>Rated Voltage</strong></td>
<td>24 V</td>
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<tr>
<td><strong>Power Consumption</strong></td>
<td>1.9 – 2.7 A (46 – 64 W)</td>
</tr>
<tr>
<td><strong>Dimensions (L x W x H)</strong></td>
<td>8.6 x 3.6 x 5.8 in (218 x 91 x 147 mm)</td>
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<tr>
<td><strong>Weight</strong></td>
<td>5.07 lbs (2.3 kg)</td>
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### Technical specifications for circulating pump

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<th>U4847</th>
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<tr>
<td><strong>Coolant Flow</strong></td>
<td>1.98 gal/min (450 l/h)</td>
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<tr>
<td><strong>Dimensions (L x W x H)</strong></td>
<td>7.1 x 2.9 x 4.4 in (180 x 74 x 112 mm) including connectors</td>
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<tr>
<td><strong>Weight</strong></td>
<td>1.5 lbs (0.7 kg)</td>
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### Available Thermo Pro 50 Heater Kits:
- Thermo Pro 50 Standard Kit (24 V): Part Number 5010666A
- Thermo Pro 50 Heavy Duty/Off Highway Kit (24 V): Part Number 5010870A

### Standard Kit Components:
- Heater
- Integrated Control Unit
- Circulation Pump U4847
- On/Off Switch
- Wiring Harness
- Fuel Metering Pump DP42
- Fuel Line
- Fuel Standpipe
- Exhaust System
- Installation Hardware
- Installation/Operation Instructions

### Optional Accessories:
- SmarTemp Control fx Timer 2.0: Part Number 5010633C

**SmarTemp Control fx Timer 2.0 (optional):**
- Programmable runtimes
- USB diagnostics
- Ergonomical design
- Large backlit LCD screen