Low Temperature Test Chillers-Air & Water Cooled

OTT Series – Low Temperature

A Partial List of Process Cooling Applications: Laboratory Testing, Component, Battery, and Dynamometers

Model OTT-5A shown

Features:
- 3 to 9 kW of cooling capacity at -30°C
- LWT Range: -30°C to 85°C (with optional heat)
- Micro-processor based PID auto tuning controller with Digital Display & Trend
- Temp Output in °C or °F
- Dual 50/60 Hz compatible
- Air or Water Cooled
- Standard or Custom Fluids
- Pump Bypass Standard
- SS Reservoir Standard
- Non-Ferrous Hard Pipe Standard
- Performance Tested prior to Shipment
- Stainless steel MNPT process connections
- Swivel Casters Standard
- Copper Brazed plate Evaporator
- Fluid Circuit Insulation
- One year limited warranty

Contact Information:

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Traverse City, MI 49686
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E: information@optitemp.com

Models OTT 3 kW to 9 kW

Air or Water Cooled

Options:

Controls
- LCD Temperature and Flow
- RS232 and RS485 communication
- Ethernet /RS-232/USB
- Data Logging
- Remote Start/Stop
- Audible Alarm with Silence
- Programmable Temperature Alarms
- Visual Alarm Beacon
- Fluid monitoring: Pressure & Flow

Electrical
- Outdoor NEMA 4 Electrical
- 5-10kW Heat
- Phase Monitor
- Remote Temperature Sensing
- Power Cord
- CE compliance
- NRTL certifications

Mechanical
- Specialty wetted construction materials
- NI Evaporator
- Pump upgrades
- Anti drain-back prevention
- Particle Filter
- Manifolds
- Isolation Valves
- Extended warranty

Please contact our sales & applications department for a more complete list of available options.
## Low Temperature Test Chillers-Air & Water Cooled Specifications

<table>
<thead>
<tr>
<th>Description</th>
<th>OTT-5A Air Cooled</th>
<th>OTT-10A Air Cooled</th>
<th>OTT-20A Air Cooled</th>
<th>OTT-5W Water Cooled</th>
<th>OTT-10W Water Cooled</th>
<th>OTT-20W Water Cooled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard Flow Rating(2)</td>
<td>GPM at PSI</td>
<td>4 GPM 65 PSI</td>
<td>8 GPM 65 PSI</td>
<td>12 GPM 65 PSI</td>
<td>4 GPM 65 PSI</td>
<td>8 GPM 65 PSI</td>
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<tr>
<td>Max Available Flow Range</td>
<td>GPM</td>
<td>16 GPM 50 PSI</td>
<td>16 GPM 50 PSI</td>
<td>38 GPM 55 PSI</td>
<td>16 GPM 50 PSI</td>
<td>38 GPM 55 PSI</td>
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<tr>
<td>Pump (2) (Standard)</td>
<td>HP Code</td>
<td>2 CUS</td>
<td>2 CUS</td>
<td>5 CUS</td>
<td>2 CUS</td>
<td>5 CUS</td>
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<td>Connection</td>
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<td>2”</td>
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<tr>
<td>Capacity(3)</td>
<td>KW</td>
<td>3</td>
<td>6</td>
<td>9</td>
<td>3.3</td>
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<tr>
<td></td>
<td>BTU/hr</td>
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<td>20,472</td>
<td>30,708</td>
<td>11,260</td>
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<tr>
<td>Optional Immersion Heater</td>
<td>KW</td>
<td>5</td>
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<tr>
<td>Full Load Amps</td>
<td>230/3/60</td>
<td>24</td>
<td>39</td>
<td>74</td>
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<td>39</td>
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<tr>
<td></td>
<td>460/3/60</td>
<td>12</td>
<td>20</td>
<td>37</td>
<td>12</td>
<td>20</td>
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<tr>
<td>Dimensions(5)</td>
<td>Height</td>
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<td>55”</td>
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<td></td>
<td>Width</td>
<td>38”</td>
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<td>Depth</td>
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<tr>
<td>Weight</td>
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<tr>
<td>Internal Reservoir</td>
<td>Gallon</td>
<td>15</td>
<td>20</td>
<td>20</td>
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<tr>
<td>Temp Stability(6)</td>
<td>°F</td>
<td>± 1.0</td>
<td>± 1.0</td>
<td>± 1.0</td>
<td>± 1.0</td>
<td>± 1.0</td>
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</tbody>
</table>

(1) As a result of continuous improvement efforts, specifications are subject to change without notice or liability. (2) Pump pressures at pump discharge, HP for low viscosity fluids. (3) Air Cooled capacity based on -30°C/-22°F LWT and 95°F ambient temperature. Water cooled capacity based on -30°C/-22°F LWT and 80°F condensing water. (4) Full load amps for models with standard pump, no heater. Consult applications engineering for models with optional pumps. (4) Full load amps must be used for sizing disconnects and supply wiring. Contact factory for 50 Hz applications engineering. (5) Dimensions are approximate and do not include filters. 3” height casters used on all models. (6) Cooling stability only. Optional heating stability ± 2.0°F.

Pump Curves: To be provided Upon Request