TLC-1400 Liquid Chiller

Air Cooled 120 VAC, 240 VAC Input 410 Watts

FEATURES
• Compact (only 12” X 14” bench top footprint)
• Weighs approximately 59 lbs. (27 kg)
• Integral PID "tunable" temperature control
• Ambient temperature up to +50°C
• No compressor, fluorocarbons or filters
• Virtually maintenance-free operation
• Remote Sensibility™
• Un-cooled, 500mL reservoir
• Front to back air-flow system
• Stainless steel exterior housing
• Low fluid level and low flow warning
• Integral power supply
• Self priming pump/reservoir
• Cool and Heat/Cool versions

TC-3400 FEATURES
• RS-485 communications (optional)
• Communications Software (optional)

INCLUDES
• 3/8” ID Hose (12’)
• Hose insulation (12’)
• 3/8” CPC low pressure drop shut off fittings

SPECIFICATIONS

<table>
<thead>
<tr>
<th>MODEL</th>
<th>PART NUMBER</th>
<th>PERFORMANCE RATING</th>
<th>VOLTAGE VAC</th>
<th>CURRENT AMPS 50/60 HZ</th>
<th>WEIGHT LBS. (KG)</th>
<th>MAX OPERATING TEMP °C</th>
<th>TEMP CONTROL</th>
<th>HEATING OPTION (HC SUFFIX) AMBIENT</th>
<th>FLUID TEMP RANGE °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>TLC-1400</td>
<td>6-B0G0-0-000</td>
<td>1400-1450</td>
<td>120 VAC</td>
<td>7.0</td>
<td>59 (26.7)</td>
<td>50°C (+122 F)</td>
<td>TC-3400</td>
<td>-5/65</td>
<td></td>
</tr>
<tr>
<td>TLC-1400HC</td>
<td>6-B0G0-1-000</td>
<td>1400-1450</td>
<td>120 VAC</td>
<td>7.0</td>
<td>59 (26.7)</td>
<td>50°C (+122 F)</td>
<td>TC-3400</td>
<td>400 Watt -5/65</td>
<td></td>
</tr>
<tr>
<td>TLC-1402</td>
<td>6-B0G2-0-000</td>
<td>1400-1450</td>
<td>240 VAC</td>
<td>4.0</td>
<td>59 (26.7)</td>
<td>50°C (+122 F)</td>
<td>TC-3400</td>
<td>-5/65</td>
<td></td>
</tr>
<tr>
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</tbody>
</table>
**PERFORMANCE CURVE**

Equation of line: $y = \Delta T (^\circ C) = \frac{C}{100} \times x$

**Ambient Temp**
- 25°C
- 50°C

<table>
<thead>
<tr>
<th>Fluid Supply</th>
<th>25°C</th>
<th>50°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>$y = 0.08x - 33.1$</td>
<td>$y = 0.08x - 36.1$</td>
<td></td>
</tr>
</tbody>
</table>

**DIMENSIONS**

*Minimum recommended clearance 3".
Dimensions: Inches [Millimeters]*

**PUMP CURVE**

* Ambient Air Path

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**ENVIRONMENTS**

- Bench top
- Laboratory
- Industrial

**COOLING CAPACITY**

410 Watts @ 0 °C $\Delta T$ (standard)

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**TLC-1400**

Liquid Chiller - Air Cooled

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