STD-202: Standard for Publication of Custom Cooling Tower Thermal Performance Test Results

The Performance & Technology technical committee has developed Standard STD-202 to encourage cooling tower capacity of 100% or better.

Custom cooling towers built by the Participating Manufacturers (PM) are field-tested for thermal performance by CTI-Licensed Thermal Performance Testing Agencies and the results are published in accordance with this Standard.

This program provides big benefits to owners/operators of custom field-erected cooling towers:

- Performance tests demonstrate the actual thermal performance,
- Power generation is increased due to proper thermal performance,
- Heat exchanger efficiency is increased due to lower water temperature and lower energy consumption in the entire system.

This is a voluntary program. For the period of publication of these results, the PM are:

- Composite Cooling Solutions, L.P.
- EvapTech, Inc.
- SPX Cooling Technologies, Inc.

CTI STRONGLY RECOMMENDS THAT YOU SPECIFY STD-202 FOR YOUR COOLING TOWER NEEDS:

1. The cooling tower vendor shall be a Participating Manufacturer in the Cooling Technology Institute (CTI) STD-202 program for Publication of Custom Tower Thermal Performance Test Results, as validated by listing as such on www.cti.org.

2. The cooling tower shall be subject to acceptance testing conducted by a CTI-Licensed Thermal Performance Testing Agency, according to the latest edition of CTI ATC-105. Testing shall occur within one year of commercial operation of the cooling tower.

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### Testing Results

<table>
<thead>
<tr>
<th>Participating Manufacturer</th>
<th>Composite Cooling Solutions, L.P.</th>
<th>EvapTech, Inc.</th>
<th>SPX Cooling Technologies</th>
<th>All Multi-Agency Acceptance Tests for the previous year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Testing during the Period:</td>
<td>8/21/2013 to N.A.</td>
<td>10/26/2013 to 10/13/2017</td>
<td>6/20/2013 to 11/02/2017</td>
<td>2017</td>
</tr>
<tr>
<td>Percentage of tests ≥ 100%</td>
<td>N.A.</td>
<td>100</td>
<td>70</td>
<td>53.4</td>
</tr>
<tr>
<td>Percentage of tests ≥ 95%</td>
<td>N.A.</td>
<td>100</td>
<td>100</td>
<td>81</td>
</tr>
<tr>
<td>Average Capability of test results &lt; 95%</td>
<td>N.A.</td>
<td>N.A.</td>
<td>N.A.</td>
<td>72.7</td>
</tr>
<tr>
<td>Average Water Flow Rate</td>
<td>N.A.</td>
<td>46.170</td>
<td>102,754</td>
<td>55,714</td>
</tr>
</tbody>
</table>

If N.A. is indicated (for Not Available), there are no results available in the category.