Key Features & Benefits

- Operating costs reduced by 50%
- Ultra low NO$_x$ and CO emissions
- Carbon footprint cut in half
- Avoid on-peak electric demand charges
- Nationwide factory service & support
- Free engine and exhaust heat recovery
- OSHPD and IBC seismic certification
- ETL listed
- Internet-based Remote Monitoring Control System (RMCS) is CHP Insight compatible
- Integrated engine & exhaust heat recovery
- Powered by clean, economical natural gas
- Utility & State incentives available in some areas
NOTES:
1. Specifications subject to change without notice, all specifications are ±5%.
2. COP ratings are based upon Fuel Higher Heating Value (HHV) @ 1020 BTU/SCF

### WATER-COOLED CHILLERS

#### STx SERIES
<table>
<thead>
<tr>
<th></th>
<th>CH-150x</th>
<th>CH-200x</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full Load Rating [tons]</td>
<td>1.50</td>
<td>2.00</td>
</tr>
<tr>
<td>IPLV COP$^+$</td>
<td>2.6</td>
<td>2.6</td>
</tr>
<tr>
<td>COP with Total Heat Recovery</td>
<td>1.7</td>
<td>1.6</td>
</tr>
<tr>
<td>Fuel Consumption [MBtu/hr @ HHV 1020 Btu/scf]</td>
<td>2.27</td>
<td>2.15</td>
</tr>
<tr>
<td>Fuel Consumption [scfh]</td>
<td>1,032</td>
<td>1,526</td>
</tr>
<tr>
<td>Fuel Pressure [in. wc, 27.703 in. wc = 1 psig]</td>
<td>1,012</td>
<td>1,496</td>
</tr>
<tr>
<td>Available Total Heat Recovery [MBtu/hr]</td>
<td>541</td>
<td>730</td>
</tr>
<tr>
<td>Maximum Supply Temperature [°F]</td>
<td>214</td>
<td>229</td>
</tr>
</tbody>
</table>

#### WATER SYSTEMS
- Chilled Water Flow [GPM]
- Chilled Water Pressure Drop @ Rated Flow [ft]
- Total Cooling Tower Flow [GPM]
- Flow To Condenser Only [GPM]
- Flow To Dump HX Only [GPM]
- Condenser Pressure Drop @ Rated Flow [ft]
- Cooling Tower Heat Rejection [MBtu/hr]

#### ELECTRICAL REQUIREMENT
- Voltage Requirement
- Electrical Service
- Ampereage Rating
- Parasitic Power Requirement [kW]

#### ACOUSTIC LEVELS [dBA @ 3 ft]
- with Enclosure
- without Enclosure

#### DIMENSIONAL DATA
<table>
<thead>
<tr>
<th></th>
<th>CH-150x</th>
<th>CH-200x</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>13'10&quot;</td>
<td>14'3&quot;</td>
</tr>
<tr>
<td>Width</td>
<td>4'4&quot;</td>
<td>7'0&quot;</td>
</tr>
<tr>
<td>Height</td>
<td>6'9&quot;</td>
<td>7'7&quot;</td>
</tr>
</tbody>
</table>

#### WEIGHTS
- Rigging Weight [lb]
- Operational Weight [lb]

#### DRIVELINE
- Engine
- Compressor

#### TYPICAL TECOCHILL PART-LOAD PERFORMANCE

**Outstanding TECOCHILL Features**
- TecoDrive 7000™ natural gas engine
- Engine and exhaust heat recovery
- Single screw balance action compressor
- High efficiency flooded evaporator
- IPLV exceeding 2.5
- Footprint equivalent to electric chillers
- Variable engine speed operation for excellent part load performance and longer life
- TecoNET™ microprocessor-based control system with precise PID control for fully automatic operation, continuous system monitoring, digital display, fault diagnostics and tie-in to an energy management system
- Remote Monitoring Control System (RMCS) that permits remote real-time monitoring, data acquisition and system control by telephone or internet

**TECOGEN® TECOCHILL® and TecoDrive™ are trademarks of Tecogen**