Heat Pumps solutions

We do have a wide range of industrial heat pumps for several capacities and at different temperature levels.

Heat pumps with standard temperature

<table>
<thead>
<tr>
<th>Model</th>
<th>Type</th>
<th>Compressor Type</th>
<th>Refrigerant</th>
</tr>
</thead>
<tbody>
<tr>
<td>YLHD</td>
<td>Air to water HP</td>
<td>Scroll compr. / R410A</td>
<td>Screw, centrifugal</td>
</tr>
<tr>
<td>YMWA</td>
<td>Water to water HP</td>
<td>Screw compr. / R410A</td>
<td>R717, R245fa</td>
</tr>
<tr>
<td>YMRA</td>
<td>Air to water HP</td>
<td>Scroll compr. / R410A</td>
<td>R717, R134a, R410A</td>
</tr>
<tr>
<td>YMSC</td>
<td>Water to water HP</td>
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<tr>
<td>YCSE</td>
<td>Water to water HP</td>
<td>Screw compr. / R134a</td>
<td>R717, R134a, R410A</td>
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<tr>
<td>YCW</td>
<td>Water to water HP</td>
<td>Scroll compr. / R410A</td>
<td>R717, R134a, R410A</td>
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<tr>
<td>YLCS</td>
<td>Water to water HP</td>
<td>Twin screw / R134a</td>
<td>R717, R134a, R410A</td>
</tr>
</tbody>
</table>

Technical Specifications:

**YLHD**
- Air to water HP
- Scroll compr. / R410A
- Hot water up to 50°C
- Heating capacity: 23 to 160 kW

**YMWA**
- Water to water HP
- Scroll compr. / R410A
- Hot water up to 55°C
- Heating capacity: 25 to 210 kW

**YMRA**
- Air to water HP
- Scroll compr. / R410A
- Hot water up to 55°C
- Heating capacity: 170 to 300 kW

**YLSC**
- Water to water HP
- Twin screw / R134a
- Hot water up to 70°C
- Heating capacity: 400 to 2000 kW
Heat pumps with high temperature

- **YVWA**
  - Water to water heat pump
  - Screw compressor / R134a
  - Hot water up to 65°C
  - Heating cap.: 650 to 1250 kW

- **YMC**²
  - Water to water heat pump
  - Variable speed centrif. compr.
  - Magnetic bearings / R134a
  - Hot water up to 65°C
  - Heating capacity up to 600 kW at 40°C source

- **HeatPAC HPX recip**
  - Variable-Speed Drive
  - Reciprocating compr. / R717
  - Hot water up to 90°C
  - Heating capacity up to 600 kW

- **HeatPAC**
  - Variable-Speed Drive
  - Reciprocating compr. / R717
  - Hot water up to 70°C
  - Heating capacity up to 1200 kW at 40°C source

- **YK HP**
  - Water to water heat pump
  - Centrifugal compr. / R134a
  - Hot water up to 50°C (Std)
  - Hot water up to 70°C (HP)
  - Heating cap.: 1000 to 9000 kW

- **HeatPAC Custom**
  - Two-stage cascade VSD
  - Screw compressor / R717
  - Reciprocating compressor / R717
  - Hot water up to 90°C
  - Heating capacity up to 600 kW at 40°C source

- **CYK HP**
  - Water to water heat pump
  - Dual-Centrifugal compressors, Series-Arrangement / R134a
  - Hot water up to 70°C
  - Heating capacity from 2500 to 7000 kW

- **Titan OM HP**
  - Water to water heat pump
  - Multi-stage Centrifugal, electric, steam or gas driven / R134a
  - Hot water up to 90°C
  - Heating capacity from 5000 to 20000 kW

Manufacturer reserves the rights to change specifications without prior notice.