Trane's aftermarket compressor offering provides our customers with the reliability, affordability, availability, and flexibility demanded in today's competitive market. With over 60 years of HVAC experience, Trane has the infrastructure and expertise necessary to deliver the highest quality, no matter what the customer’s requirements might be.

**Reliability**
Trane leads the world in screw compressor technologies, with over 20 years of experience in the design and computer-driven manufacturing of these close-tolerance units. Trane backs its high level of expertise and quality with standard and optional extended warranties.

**Affordability**
Remanufactured screw compressors are built at Trane's Charlotte plant. A full line of compressor parts and instant building facility in Charlotte enable quick delivery of screw compressors.

**Availability**
Remanufactured screw compressors are built at Trane's Charlotte plant. A full line of compressor parts and instant building facility in Charlotte enable quick delivery of screw compressors.

**Flexibility**
Trane offers a full line of screw compressors for all types of Trane chillers. You can depend on your Trane representative to supply appropriate compressor parts and accessories, along with valuable staff expertise at hundreds of worldwide locations.

Responsibility for the environment
Extending compressor life through remanufacturing saves natural resources typically used in the manufacturing process, and also reduces the need for landfill capacity for longer periods.

Trane is your best resource for replacement solutions

**reliability**
**affordability**
**availability**
**flexibility**

Trane has a policy of continuous product and product data improvement and reserves the right to change design and specifications without notice.
Trane offers high-quality replacement screw (helical-rotary) compressors to extend the life of existing air-cooled or water-cooled systems.

**By selecting a Trane replacement screw compressor?**

- **Trane remanufactured screw compressor:** One doesn’t do it better than Trane!
- **Guaranteed high quality, long life compressor through your replacement screw (helical-rotary) compressors**
- **Trane has your replacement screw compressors**
- **Trane offers high-quality compressor to extend the life of existing rotary) compressors**

### Remanufactured Screw Compressors

- **Remanufactured to Trane’s OEM standards, the most demanding in the world.**
- **Available for both R-22 and R-134a refrigerants in respective applications.**
- **Optional add-on warranties**
- **Standard warranty and optional extended warranties give owner assurance of quality as new equipment.**

**Replacement considerations...**

- **Why use a remanufactured compressor rather than a new chiller?**
  - **Less expensive solution**
  - **Meets same high manufacturing standards**
  - **Standard warranty and optional extended warranties guarantee performance and reliability of new equipment.**
  - **Remanufactured compressors are environmentally friendly because many of the parts can be recycled.**

### When does a compressor replacement make sense?

- **The existing compressor is damaged from operating under extreme conditions.**
- **It has been suggested.**
- **There is a continued need for temporary cooling.**
- **Chiller inspection reveals need for compressor replacement.**
- **Chiller life extension is a desired goal.**
- **The balance of chiller equipment is in good condition.**
- **Your current compressor may need replacement if:**
  - **The existing compressor is damaged from operating under extreme conditions.**
  - **The compressor is not meeting the exact chiller requirements.**
  - **The balance of the equipment is in good condition.**

### Quality remanufactured compressors

- **Save thousands.**
- **Meets same high manufacturing standards.**
- **Standard warranty and optional extended warranties guarantee performance and reliability of new equipment.**
- **Remanufactured compressors are environmentally friendly because many of the parts can be recycled.**

### What makes the Trane screw compressor design superior?

- **Direct drive**
  - **The compressor is not meeting the exact chiller requirements.**
  - **The balance of the equipment is in good condition.**

### ;; Replacement Screw Compressors

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Description</th>
<th>Applied Unit Type</th>
<th>Tonnages</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHHN 45-WCA</td>
<td>General Purpose</td>
<td>35 to 60</td>
<td>70, 85, 100, and 120 tons</td>
</tr>
</tbody>
</table>

**No one does it better than Trane!**
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Trane offers high-quality replacement screw (helical-rotary) compressors to extend the life of existing air-cooled or water-cooled chiller equipment. By selecting a Trane replacement screw compressor through the Trane Parts Center, you are assured high-quality, long life and reliable performance under a wide range of operating conditions.

Remanufactured compressors are available in exact configurations to replace original equipment. Remanufactured compressors are head-to-head with the same precision and integrity in a new Trane screw compressor.

What makes the Trane screw compressor design superior?

- **Direct drive**
  - The mean that fewer moving parts are necessary — fewer moving parts means fewer points of failure.
  - The mean more efficient than gear-drive or particle-drive compressors.
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- **Seminematic design**
  - The compressor housing is bonded within the shell. It is protected from head, collision, and dirt, a clear advantage over open drive machines. TRANE parts are protected from debris and contamination, ensuring reliability.

- **Smooth unloading**
  - The cushion-like action of the compressor to operate reliably and efficiently at part load. This is a major advantage when building cooling loads are variable, and allows system temperature control.

- **Low torque**
  - Smooth unloading in a Trane screw compressor allows low starting torque, helping to avoid excessive heat buildup in the compressor and extending the life of the entire machine.

- **Matches existing Trane equipment**
  - The Trane replacement compressor matches up perfectly with other Trane equipment.
  - The compressor and extending the life of the entire machine.

- **Wide selection**
  - The Trane replacement compressors are available in sizes from 35 to 450 tons, and in designs for either refrigerant R-22 or R-134a, to meet the exact chiller requirements.

- **Additional extended warranties**
  - Available for both R-22 and R-134a refrigerants in respective applications.
  - Optional extended warranties give owner assurance of quality as new equipment.

- **Low torque at startup reduces heat generation within the motor, resulting in .5% efficiency loss.”

- **Compactness**
  - The compressor is contained within the shell. It is protected from head, collision, and dirt, a clear advantage over open drive machines.

- **Simplicity means reliability**
  - The compressor motor is contained within the shell. It is protected from debris and contamination, ensuring simplicity and reliability.

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Direct drive
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The design allows the compressor to operate reliably and efficiently at part load. This is a major advantage when building cooling loads are variable, and allows system temperature to be held to efficiency levels.

Low torque
Screw compressors have lower starting torque. This helps maintain the building's energy efficiency. Lower torque allows system temperature to be held to efficiency levels. The system may be controlled to maintain energy efficiency.

Low heat generation
Screw compression results in .5% efficiency loss. Each .001" variance in any direction causes .5°F within 1/2° F. Allows system temperatures to be held to efficiency levels.

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Affordability
Remanufactured screw compressors allow existing equipment to be reconditioned, potentially saving you the cost of an entirely new system.

Availability
Remanufactured screw compressors are built at Trane’s Charlotte plant. A full line of compressor parts and installation supplies, available at Charlotte’s compressor parts and motor building facility, enable quick delivery of screw compressors.

Responsibility for the environment
Extending compressor life through aftermarket recycling saves natural resources typically used in the manufacturing process, and also reduces the need for landfill capacity for longer periods.

Flexibility
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