Schaeffler delivers complete solutions from a single source for customer applications:
- In-depth understanding of rolling bearings
- Application engineering knowledge
- Expertise in mounting and dismounting

You only need the medium-frequency unit temporarily?
Our rental service (device and mounting technician) is here to help with your application. Experienced Schaeffler mounting technicians whose expertise covers a wide range of different sectors provide on-site support.

You can learn more about FAG’s new heating devices in our technical product information “TPI 217, Induction units with medium-frequency technology”

For more information, visit: www.Schaeffler.de/en/MFT
The new FAG medium-frequency heating device

Induction units with medium-frequency technology are an innovative solution for heating large and heavy workpieces. Schaeffler’s latest development allows workpieces to be heated with even greater flexibility, safety, and efficiency. The key: Generators with digital control systems.

A lightweight solution for numerous applications
Because the unit is significantly more compact and 40% lighter than previous generations of devices, it is mobile and can be used flexibly even in difficult-to-access areas.

Everything under control
The unit is controlled using an intuitive 7” touch panel and offers a wide range of options for safe and complex heating processes.
• The Delta-T control monitors and regulates the permissible temperature differences for two measuring points.
• The temperature control allows easy handling and prevents the workpiece overheating.
• The unit provides helpful clear text messages in the event of malfunctions or errors in the application, thus providing the user with fast and easy assistance.
• The temperature curves are shown on the display and stored for documentation and quality assurance purposes.
• Updates can be made via USB, ensuring that you always have the latest version.

Rigid or flexible – whatever is needed

The FAG medium-frequency heating device comprises a generator and an inductor that can be either rigid or flexible.

Rigid inductors are:
• Manufactured specifically for the application.
• Light and can be easily placed on the workpiece.
• Especially suitable for the dismounting of bearing rings, labyrinth rings, and axlebox bearings in volume production.

Flexible inductors are:
• Similar to a cable, which can be attached to the bore or placed on the outside of the workpiece.
• Up to 40 meters long, depending on the application.
• Uniquely adaptable to different workpieces and also suitable for particularly large bearings, gears, housings, etc.

Resources are more valuable to us

The FAG medium-frequency heating devices work cost-effectively with outstanding performance capability:
• Energy-efficient operation with an efficiency level of > 90 % and significantly lower energy requirements than conventional heating devices.
• Continuous operation (24/7) is possible without interruptions.
• Heating takes place faster than with mains frequency devices, thus increasing productivity.

<table>
<thead>
<tr>
<th></th>
<th>HEAT GENERATOR 20-2</th>
<th>HEAT GENERATOR 40-2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating frequency</td>
<td>10 - 25 kHz</td>
<td>10 - 25 kHz</td>
</tr>
<tr>
<td>Active power</td>
<td>20 kW</td>
<td>40 kW</td>
</tr>
<tr>
<td>Fuse protection</td>
<td>32 A</td>
<td>63 A</td>
</tr>
<tr>
<td>Cooling</td>
<td>Air cooled</td>
<td>Air cooled</td>
</tr>
<tr>
<td>Width</td>
<td>277 mm</td>
<td>365 mm</td>
</tr>
<tr>
<td>Depth</td>
<td>610 mm</td>
<td>600 mm</td>
</tr>
<tr>
<td>Height</td>
<td>540 mm</td>
<td>695 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>Approx. 30 kg</td>
<td>Approx. 55 kg</td>
</tr>
</tbody>
</table>