



# PRODUCT INFORMATION

## A/C CONDENSERS

- **High Quality:** HELLA condensers are engineered to match the highest specifications and performance, ensuring compatibility and reliability.
- **Durability:** Manufactured with high-quality materials, our condensers are built to withstand demanding conditions, offering longevity and consistent performance.
- **Comprehensive Range:** HELLA provides a wide selection of condensers suitable for various vehicle makes and models, catering to a broad spectrum of customer needs.

## PRODUCT FEATURES

HELLA offers a wide range of high-quality air conditioning condensers for passenger cars, light commercial vehicles and commercial vehicles, designed to meet the highest standards. These condensers are essential components in a vehicle's air conditioning system, responsible for cooling and condensing refrigerant vapor into liquid.

### HELLA A/C Condensers additional benefits:

HELLA condensers are a reliable choice for customers seeking high-quality, durable, and efficient components for their vehicle's air conditioning system. The combination of high quality and its comprehensive range make HELLA a preferred option.

**Reliability:** With a focus on quality and durability, HELLA condensers provide dependable operation, reducing the likelihood of system failures and the need for frequent replacements.

**Easy Installation:** Designed for precise fitment, HELLA condensers facilitate straightforward installation, reducing labor time and costs.

### How does it work?

The air conditioning (A/C) condenser is a crucial component of an air conditioning system of a vehicle. Its primary function is to release heat absorbed by the refrigerant as it cycles through the system. Here's how it works:

1. **Receives High-Pressure Gas:** The compressor compresses the refrigerant, transforming it into a high-pressure, high-temperature gas. This gas is sent to the condenser.
2. **Heat Dissipation:** The condenser's coils, typically made of metal, allow heat from the refrigerant to be released into the surrounding air. A fan or airflow over the condenser accelerates this cooling process.
3. **Condensation Process:** As the refrigerant loses heat, it changes from a high-pressure gas to a high-pressure liquid. This phase change is essential for the refrigerant to continue its cycle efficiently.
4. **Prepares for Cooling Cycle:** The cooled, high-pressure liquid refrigerant then moves to the expansion valve or orifice tube, where it will be depressurized and cooled further to absorb heat from the interior space.

In summary, the A/C condenser's role is to cool and condense the refrigerant, enabling the system to remove heat effectively from the environment being cooled. It's often located at the front of a vehicle to take advantage of airflow.

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## Why and when to replace?

**Physical Damage:** If the condenser coil is bent, cracked, or severely damaged (e.g., from debris, corrosion, or physical impact), it may be unable to perform its function effectively, and replacement may be the only option.

**Reduced Cooling Efficiency:** If the air conditioning system struggles to cool the interior or is no longer producing cold air, it may be due to a failing condenser. Over time, condensers can lose efficiency, and they may not effectively release heat anymore.

**Corrosion or Rust:** Condensers are exposed to outdoor elements, which can lead to corrosion, rust, or buildup of dirt. Severe corrosion can cause leaks or blockages, affecting the condenser's performance. If corrosion is extensive, replacing the unit may be necessary.

**Refrigerant Leaks:** A condenser with a refrigerant leak is a major issue. If the leak cannot be repaired or is too large, it may be more cost-effective to replace the entire condenser rather than attempting a fix.

## What does HELLA offer?

**Premium Technical Expertise and Service:** Our technical workshop service, being provided through our experts, is rounding off our technical service. In addition to Tech World, our Partner World offers targeted content for wholesalers, helping them to better serve their customers.

**Target-oriented Marketing Services:** Entire communication to market and supporting the W/D with a powerful communication package.

**Vast Data Management Services:** HELLA's sophisticated data management services allow for precise and efficient parts identification, ensuring that wholesalers and workshops can quickly find the right parts.

**Tailormade Logistic Solutions:** Our logistics are designed to meet the specific needs of our partners, ensuring timely and reliable delivery of products.

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## Introducing HELLA Thermal Management's new range:

HELLA is reintroducing a comprehensive Thermal Management product portfolio for the independent automotive aftermarket. With over 20 years of OE-grade expertise in engine cooling and air conditioning, we offer key replacement components including A/C compressors, condensers, interior blowers, radiator fans, radiators, and intercoolers.

**Discover the entire range by scanning the QR code.**

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Product features, specifications and availability are subject to change without notice.

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