



PRODUCT INFORMATION

A/C COMPRESSORS

- **Durability and Reliability:** HELLA compressors are engineered for longevity and dependable performance, ensuring consistent climate control and contributing to the operational safety and driving comfort. They are characterized by minimized noise and vibration levels.
- **Easy Installation:** Designed for precise fitment. HELLA compressors come along with pre-filled compressor-oil and at least with sealings for pipe connections, facilitating straightforward installation, reducing labor time and costs.
- **High Quality:** We guarantee the highest quality through our own test benches and experience in the field of testing and inspection procedures as well as continuous supplier and product validation.

PRODUCT FEATURES

HELLA offers a wide range of high-quality air conditioning (A/C) compressors for passenger cars, light commercial vehicles and commercial vehicles, considering both mechanically and electrically driven models suitable for a variety of vehicles, including also hybrids and BE vehicles.

In BEVs and selected hybrid vehicles, HELLA compressors operate independently. This feature allows for pre-tempering of the vehicle's interior before a journey, enhancing passenger comfort.

HELLA A/C Compressors additional benefits

Choosing HELLA A/C compressors ensures access to cutting-edge technology, enhanced vehicle comfort, and reliable performance, making them a preferred choice for aftermarket customers.

Core-free new parts: The HELLA compressors are exclusively new parts, there is no need to return them for remanufacturing. No associated time-consuming and cost-intensive processes in core management.

Comprehensive Range: HELLA provides a wide selection of compressors suitable for various vehicle makes and models, catering to a broad spectrum of customer needs

How does it work?

The A/C compressor in a vehicle is a crucial component of the air conditioning system. Its primary function is to compress and circulate refrigerant throughout the system to cool the cabin. Here's how it works:

1. **Compression of Refrigerant:** The compressor pressurizes the refrigerant gas, increasing its temperature and pressure. This prepares the refrigerant for the heat exchange process.
2. **Circulation:** The compressor pushes the pressurized refrigerant into the condenser, where it releases heat and changes into a high-pressure liquid.
3. **Refrigeration Cycle:** The refrigerant then flows through the expansion valve or orifice tube, where it expands and cools significantly. It moves into the evaporator inside the vehicle, absorbing heat from the cabin air and cooling it.
4. **Repeat Cycle:** After passing through the evaporator, the refrigerant returns to the compressor as a low-pressure gas to start the cycle again.

The A/C compressor is driven by the engine via a belt and pulley system. It typically has a clutch that engages and disengages the compressor to regulate cooling as needed. Proper function of the compressor is essential for maintaining comfortable cabin temperatures and ensuring the air conditioning system operates efficiently.

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Why and when to replace?

Loss of performance: If the compressor struggles to maintain the desired pressure or becomes less efficient.

High energy consumption: An inefficient compressor can consume more energy, leading to higher operating costs.

Wear or corrosion: If critical components like pistons or rotors are damaged due to wear or corrosion.

Frequent failures or repairs: If the compressor needs regular repairs, the costs may exceed the value of a new unit.

Technological advancements: Newer models often offer better efficiency and lower operating costs.

Replacement makes sense when repair costs rise or the compressor loses performance

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.

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.



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

HELLA Automotive Sales, Inc.

611 Highway 74 S, Suite 102
Peachtree City, GA, 30269
Tel.: +1 (877) 224-3552
Fax: +1 (770) 631-7574
www.hella.com/us/
www.myhellalights.com