

# FOR MAXIMUM DRIVING COMFORT

As a development partner and supplier to the international automotive industry, MAHLE offers a comprehensive portfolio for vehicle cooling and air conditioning. Our thermal management competence combined with expert support and advice on vehicle air conditioning systems benefits trade and workshop alike.

MAHLE Aftermarket: the reliable partner for trade, workshops, and engine repair.



MAHLE Aftermarket GmbH  
Pragstraße 26–46  
70376 Stuttgart/Germany  
Phone: +49 711 501-0

[www.mahle-aftermarket.com](http://www.mahle-aftermarket.com)  
[www.mpulse.mahle.com](http://www.mpulse.mahle.com)

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# MAHLE

## MORE THAN JUST COLD AIR

A/C compressors from MAHLE



[WWW.MAHLE-AFTERMARKET.COM](http://WWW.MAHLE-AFTERMARKET.COM)

# SATISFYING THE HIGHEST DEMANDS

MAHLE offers a strong and comprehensive range of air conditioning compressors. Our standard range covers all the top applications for the Europe, Middle East, and Africa sales regions.

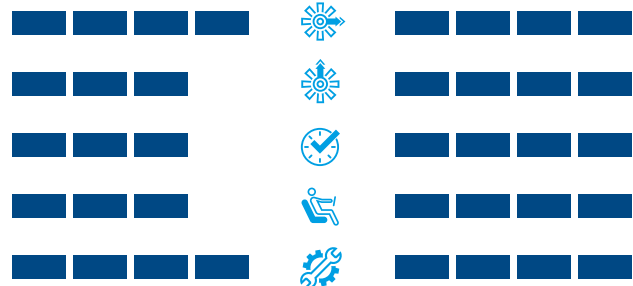
With our premium range, we're also able to supply air conditioning compressors to meet the highest quality and performance standards.

## IAM STANDARD

For repairs in line with current value

## PREMIUM RANGE

Meets the highest demands for quality and performance



**COOLING PERFORMANCE AT NORMAL LOADS**  
Optimal performance under normal conditions with both standard and premium products.

**COOLING PERFORMANCE AT INCREASED LOADS**  
Premium products have a slightly higher power reserve under extreme conditions (e.g., full load).

**DURABILITY AND RELIABILITY**  
Standard products offer a solution for repairs in line with the vehicle's current value, while premium products are designed for its entire life cycle.

**COMFORT AND DRIVING EXPERIENCE**  
Optimally designed for vehicle applications, premium products deliver even lower noise levels and noticeably reduce vibrations.

**SUPPORT AND SERVICE**  
For both product groups, all important services are guaranteed, including sales support, technical services, and more.

Minimum Maximum

# OPERATION AND POSSIBLE CAUSES OF FAILURE

The air conditioning compressor is the heart of vehicle air conditioning. It compresses and circulates the refrigerant and—when operating properly—ensures that the optimal temperature is maintained in the cabin. The compressor is typically driven by a V-ribbed belt.

## SIGNS OF POSSIBLE DAMAGE TO THE A/C COMPRESSOR:

- Coolant leaking from the compressor
- Insufficient cooling, or absence of cooling
- Noise
- Error messages in the air conditioning control unit or central control unit

## CAUSES OF FAILURE:

- Incorrect installation
- Insufficient compressor oil or refrigerant
- Leaks in the air conditioning system
- Damage to individual air conditioning components
- Solid matter contamination (metal swarf, etc.)

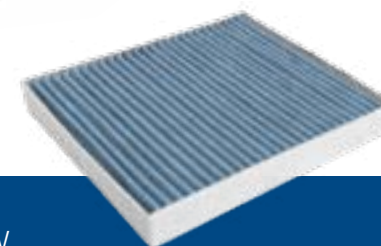
# COMPRESSOR REPLACEMENT MADE EASY

For increased comfort, safety, and efficiency, vehicle air conditioning systems are becoming ever more complex. A/C service units from MAHLE enable the professional, safe, and correct maintenance of the air conditioning system and the competent replacement of the compressor. Our ArcticPRO® line for refrigerants R134a and R1234yf is the professional solution for an ecological, economical, and efficient A/C service.



## CABIN FILTER

## CareMetix®



## → GOOD TO KNOW

Cabin filters protect HVAC systems against contamination and consequential irreparable damage, thereby improving the service life of the air conditioning compressor. The new CareMetix® cabin filter from MAHLE also ensures that pollen, soot, bacteria, and odors don't enter the cabin.