

PRODUCT LINE **EXTENSION**

NISSENS **WCAC**

**ENGINE
EFFICIENCY
SYSTEM**



Segment Scope

Passenger Cars
Light Commercial Vehicles



Design

Plug-in
Independent



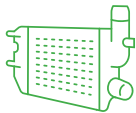
EXTENSION HIGHLIGHTS

13

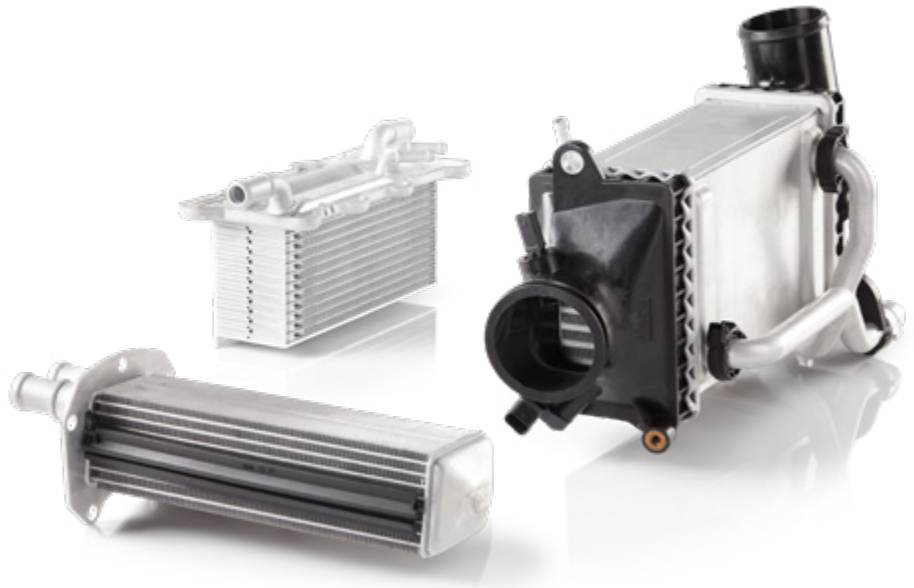
Item numbers
in the extension

37

OE numbers covered
by the range



Expand the range of **570+**
Nissens' intercooler models



THE DIFFERENCE



GENUINE NISSENS QUALITY

Designed, manufactured, and tested to the highest standards, ensuring easy installation, excellent performance, and long, trouble-free operation.



FULL COMPATIBILITY
WITH THE VEHICLE



EXCELLENT ENGINE
& EMISSIONS
PERFORMANCE



KEY SYSTEM PARTS
ONE-STOP-SHOP



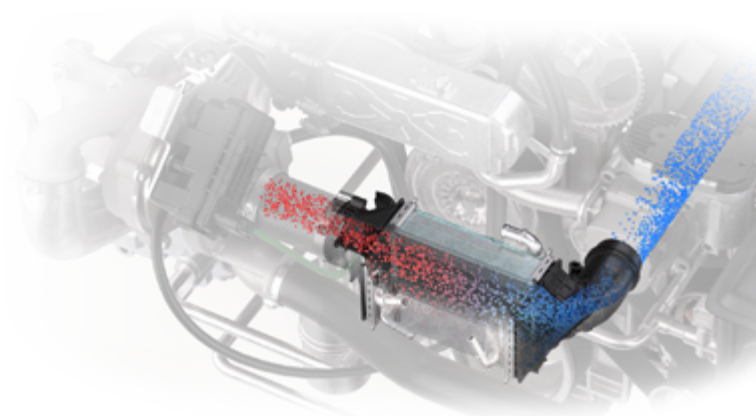
COMPONENT & SYSTEM
TECHNICAL SUPPORT

COMPONENT FUNDAMENTALS

The water-cooled charge air cooler (WCAC) is an air-to-liquid heat exchanger designed to cool the charged engine's intake air after it has passed through a turbocharger but before it enters the engine. It is commonly used for modern, high-performance, and downsized engines that must meet strict requirements for improved fuel economy and reduced emissions.

DESIGN ADVANTAGES

- Improved heat transfer to the cooling liquid
- Due to its size, it can be placed close to the engine
- Lowered air pressure losses increase the system's volumetric efficiency



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Nissens
DELIVERING THE DIFFERENCE