



OEM Geely Car AC Condenser And Evaporator Aluminum For Vehicle Air Conditioning Refrigeration

Our Product Introduction

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Basic Information

- Place of Origin: China zhajiang
- Brand Name: GEELY
- Model Number: 8010049300
- Minimum Order Quantity: 20
- Price: RMB+943+PC
- Packaging Details: carton packaging
- Delivery Time: 20-30Work days
- Payment Terms: MoneyGram
- Supply Ability: 50000+PC+30day



Product Specification

- Name: Condenser
- Color: Slivery White
- Applications: Air Conditioning Refrigeration
- Package: Carton Packaging
- Car Make And Model: Geely Geometry A
- Material: Aluminum Alloy
- Highlight: **Geely car ac condenser and evaporator, OEM car ac condenser and evaporator, Geely vehicle ac condenser**



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Product Description

Geely geometry A aluminum alloy silver-white condenser for vehicle air conditioning refrigeration

Description:

Material and structure:

The condenser is made of aluminum alloy, which makes it have good heat dissipation performance and corrosion resistance. Its structure is exquisitely designed, which can effectively realize the function of heat exchange.

Working principle:

When the car air conditioning system is running, the role of the condenser is crucial. It converts the compressed high-temperature and high-pressure gaseous refrigerant into a medium-temperature and high-pressure liquid state. Specifically, first, after the overheating stage, the refrigerant that enters the condenser cools from a high-pressure overheated gas to a saturated temperature under the condensation pressure, but at this time the refrigerant is still gaseous; then, under the action of condensation pressure, the refrigerant releases heat and gradually condenses into a liquid, and the temperature remains unchanged in the process; finally, it continues to release Heat, the temperature of the liquid refrigerant drops and becomes a overcooled liquid. Through this series of processes, the condenser successfully transmits the heat of the refrigerant in the tube to the surrounding air.

Location and advantages:

The condenser is usually located in the front of the car, near the radiator. This layout is conducive to using the wind generated by the vehicle to enhance the cooling effect, thus improving the overall performance of the air conditioning system. Compared with the previous generation model, the condenser of Geely Geometry A is closer to the front end of the firewall and power battery assembly in a physical position, which effectively shortens the length of the pipeline to transfer heat, reduces heat consumption, and is conducive to reducing the comprehensive power consumption in air conditioning and refrigeration mode.

Impact on the whole vehicle:

The efficient work of the condenser helps to maintain a comfortable temperature environment in the car. Its good heat dissipation performance ensures the stable operation of the air conditioning system, so that drivers and passengers can enjoy the appropriate in-car climate under various weather conditions. At the same time, its performance also has a certain impact on the energy consumption of the whole vehicle. The efficient condenser helps to reduce the energy consumption of the air conditioning system, thus improving the range of the vehicle to a certain extent.

Maintenance and maintenance:

In order to ensure that the condenser is always in good working condition, regular inspection and maintenance are required.

For example, clean the dust and debris on the surface of the condenser in time, especially after driving in a dusty or sandy environment, to prevent these impurities from affecting the heat dissipation effect of the condenser. In addition, because the condenser is relatively forward, care should be taken to avoid being hit by road gravel and insects. If necessary, its integrity should be checked.

Generally speaking, with its excellent material, reasonable structural design and excellent performance, the condenser of Geely Geometry A provides reliable support for the vehicle's air conditioning system and brings a comfortable driving experience to drivers and passengers.

Applications:

The automobile condenser is an important part of the automobile air conditioning system, and its main function is to complete the heat exchange of the refrigeration system.

Specifically, the function of the condenser is to dissipate the heat generated by the refrigerant during the compression process of the compressor to the outer space of the vehicle, so that the high-temperature and high-pressure gas from the compressor can be turned into a medium-temperature high-pressure liquid. In this process, the condenser transmits the heat of the refrigerant in the tube to the air near the tube.

The condenser of Geely Geometry A is also used to realize the refrigeration function of automobile air conditioners. When the refrigerant is discharged from the compressor, it enters the condenser. Through the contact of the condenser with the outside air, the heat is taken away, and the temperature of the refrigerant drops and liquefies. The liquid refrigerant can then enter the evaporator and continue the circulation of the air conditioning system to achieve the cooling effect.

The working principle of the condenser includes three stages: first, the overheating stage. The refrigerant entering the condenser is a high-pressure overheated gas, which will cool down to the saturation temperature under the condensation pressure, but at this time the refrigerant is still in a gaseous state; then under the action of condensation pressure, the heat is released and gradually condensed into a liquid. In this process, the refrigerant temperature Keep unchanged; finally continue to release heat, and the temperature of the liquid refrigerant drops and becomes a overcooled liquid.

In order to maintain the good performance of the condenser, it needs to be checked and maintained regularly, such as cleaning the dust and debris on the surface of the condenser, especially after driving in a dusty or sandy environment.

Specifications:

name	condenser
color	slivery white
applications	air conditioning refrigeration
package	carton packaging
car make and model	Geely geometry A
material	aluminum alloy

Feature Advantage:

- Position optimization of thermal conversion modules: The position of thermal conversion modules such as water-cooled plates and PTC modules in the condenser is closer to the front end of the firewall and power battery components. This physically shortens the length of the heat transfer pipeline, reduces heat consumption, and is conducive to reducing the comprehensive power consumption of air conditioning refrigeration and PTC preheating mode.
- The active closed air intake grille technology is adopted: when the speed is less than 80 km/h, the grille hidden in the front bumper and the front end of the radiator is opened; when the driving speed exceeds 80 km/h, the grille is closed. Moreover, the conditions for actively opening and closing the air intake grille are not limited to the speed, but will also use the ambient temperature of the car, air conditioning and cooling, low temperature preheating and even charging mode as the trigger to activate the locking or opening of the air intake grille. This technology helps vehicles to better control heat dissipation under different working conditions, thus improving energy efficiency.
- The front secondary frame of steel-aluminum hybrid structure: The front secondary frame adopts a steel-aluminum hybrid structure. The steel H-type secondary frame is made of steel and carries the electric drive assembly and related control

assembly module. The aluminum alloy reinforced beam connects the H-type sub-frame and body welding (front longitudinal beam), which improves the longitudinal and transverse strength. This structure is lighter than the steel frame sub-frame, and has better anti-tost distortion and smoothness in complex working conditions than the simple use of steel H-type sub-frame.



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