

# AC Fan

An important player of the air conditioning system

The fan plays an important, supportive role for the effective operation of the engine cooling and climate systems of the vehicle. In the climate system, the AC fan forces air through the condenser.

High operation pressures inside the condenser and the temperature produced by the condensation process require an additional air flow supporting the heat exchange between the ambient air and the refrigerant inside. Cooling produced by the fan is crucial for proper condenser operation.



## Important to know

- A nonperforming AC fan has a very negative impact on the condensation process inside the condenser thus the entire AC system performance
- As an electrical device, the fan is often exposed to failure due to problems with the vehicle's electrical system, e.g. overvoltage, bad fuse, nonperforming alternator
- Depending on the vehicle application, the AC fan can be engaged by means of: pressure switch, indirect connection to the compressor clutch, the vehicle's Electronic Control Module (ECM) or signals sent from the AC-ON button

### Reliability & Performance

High-quality fan assemblies and fan components offering proven cooling performance and stable, long-life operation.

### OE matching Quality

In full accordance to the same requirements as OE products. Conforms with the ISO 7637, ISO 16750 standards and the directive of Electromagnetic Compatibility (EMC).

### Competitive Range

Fan program perfectly matching the IAM needs: Product range with +500 items covering more than 1,950 OE numbers and a varied selection of fan components (e.g. motor and fan blade). Highly competitive prices.



### Improved Resistance to Mechanical Damage and Wear

Material matching the requirements made for OE products. Only high-quality plastics, no recycled plastic mixtures.

### Smooth Operation of the Electrical Motor

High-quality electric motor armature ensuring reliable operation of the motor and strong protection against destructive current peaks and overvoltage.

### Corrosion Protection

Special, anti-corrosive treatment of the motor cover according to the strict REACH regulation to avoid any electromagnetic disturbance to other electronic elements.

### Trouble-free Operation

A special material mixture applied to the carbon brushes developed by Nissens ensuring excellent reliability and supreme overvoltage protection.

### Trouble-free Installation

High-quality wirings and electrical connections enabling a smooth installation.

PROGRAM FOR  
CARS  
VANS

