

Experience  
the Real  
Difference

# Nissens' fan range: High competitiveness and 100% OE match

The fan plays an important, supportive role for an effective operation of the vehicle's engine cooling and climate systems. The fan forces air through other cooling units such as the radiator and, if applicable, the intercooler or the condenser. Its proper performance keeps the engine's coolant or antifreeze from rising above operational temperature thus preventing the system to overheat. Overheating often occurs at low speed, and it is frequent for urban condition engines' stops and starts. Nissens' high-quality fan assemblies and fan components offer proven cooling performance with 100% OE compliance as well as stable, long-life operation. Now being even more competitive than ever!

## Nissens' attractive fan range



### High competitiveness

Our fan offer is developed to match the needs of the IAM. The benefit is a wide fan range, including a large variety of fan components (e.g. motor and fan blade) with superior application coverage and highly competitive prices.



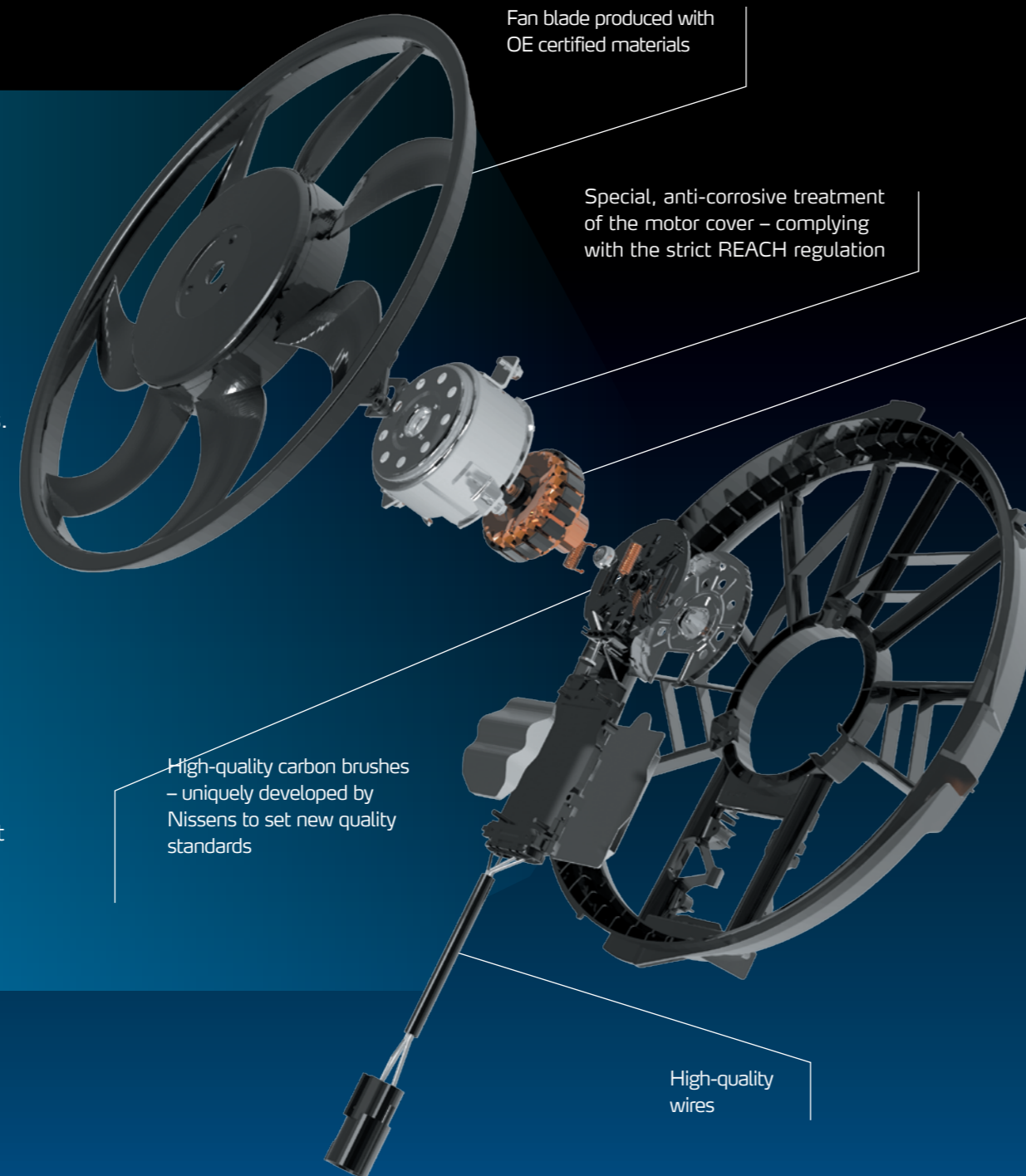
### Full OE compliance

As an acknowledgement of the IAM's challenges, when it comes to ensuring optimal fan selection, our complete fan range, including fan components, has full compliance with the OE standards.



### Even wider product range

Following the market trends involves the necessity to provide high fan application coverage for the most popular car models. Nissens' fan range, including a vast assortment of fan components, has been expanded with **+50 new items** and more novelties are coming up.



Fan blade produced with OE certified materials

Special, anti-corrosive treatment of the motor cover - complying with the strict REACH regulation

High quality armature of the electric motor - manufactured with an advanced, fully automatic process - high speed rotary and laminated riveting technology

High-quality plastics - with no recycled plastics used in the material mixture

High-quality carbon brushes - uniquely developed by Nissens to set new quality standards

High-quality wires

### Why opt for Nissens' fans:

- Complete fan assemblies and fan components - motors, fan blades, etc.
- Design & manufacturing with 100% compliance with OE requirements
- Advanced in-house testing: professional performance, mechanical and electrical tests series
- Long-life and reliable operation: Documented in reliable test reports
- Very low noise emission
- Detailed product technical information - available in webshop and electronic catalogue
- Packaging with supreme damage protection

### Advanced test series carried in Nissens' in-house test center

To provide full OE equivalence, Nissens thoroughly tests all mechanical fan elements such as motors, plastics, bearings, carbon brushes according to the strict OE test specifications.

With the aim of securing that the performance of all electrical components, like carbon brushes and components in the circuit board, is compatible with the electrical device specifications ISO 7637, ISO 16750 as well the directive Electromagnetic Compatibility (EMC), we conduct a series of advanced, electrical durability tests.

Nissens test series carried out on fans:

#### Performance tests

- Air flow performance test
- High temperature test

#### Mechanical Tests

- Durability test
- Vibration test
- Start/stop test
- Long term operation test
- Armature balance test
- Assembly balance test
- Noise emission test

#### Electrical tests

- Overload test
- Jump-start test
- Starting profile test

Additionally, Nissens' fans are subject to on-going examination by independent, external specialists, including esteemed international technological institutes with expert knowledge and advanced testing equipment.



### Nissens' fans in our web catalogue

Experience professional and useful product presentations in our on-line catalogue and webshop. Our material offers you a quick and easy product identification by OE numbers, by make/model selection or by selection of other categories applicable for a given car model.



Nissens' fan presentation in on-line catalogue and webshop:

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Detailed product technical data

+



High-quality technical drawings with useful dimensions

+



Close-up drawings of the electrical connection (on selected models)