LTG Solutions for Aviation
Brake Cooling System Type BCS 315
For Airbus A350 & A380 and Boeing 777 & 787

Quick and Efficient
Brake Cooling

- Quick cooling within a few minutes
- Can be used for aeroplanes of types: Airbus A350 and A380, Boeing 777 and 787
- Low-noise operation
- Compact and ergonomic design
- Can be used flexibly mobile and without any wires
- Energy supply via rechargeable batteries
- Customer-specific solutions on request

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Use / Function

The compact LTG Brake Cooling System was especially developed to cool the brakes at the undercarriage of aeroplanes, specifically the types Airbus A350 and A380 as well as Boeing 777 and 787.

For efficient cooling, the BCS is placed right at the braked wheel.

The BCS cools the brake components with the integrated LTG high-performance fan through the rim openings.

The air outlet at the BCS is beneficially pointing down so that unimpaired and low-noise work below the airplane is ensured.

The cooling process of the brake discs is considerably accelerated with the BCS. Within a very short time, the aeroplane is ready to take off again.

Design

The mobile unit is delivered installed completely in an aluminium housing with two casters and blocking rollers. The casters and installed brakes serve safe positioning. The light-weight design permits simple and ergonomic operation: easy movement and guidance in a compatible posture.

The main component is an LTG high-performance cooling fan.

For energy supply, the BCS has rechargeable batteries with a charger and cables as well as a charge condition display. In addition it has an operating hours counter.

Technical Data

- Motor rated output: 0,25 kW
- Operating / control voltage: 24V
- Power supply: 230 V, 50 Hz, 2,4 A
- Ambient temperature: -5 °C bis +50 °C
- Weight: 140 kg
- Sound level at 1m distance: < 70 dB(A)
- Operating time: 4 h

Dimensions

Cooling curve (A380)

Cooling details (A380)