

Let's realize
the potential of air
for a sustainable world



Technical brochure

Aircraft Brake Cooling System Type BCS 355
with matching BCS Trailer



Technical Data and Features

Aircraft Brake Cooling System

Type BCS 355





- Quick cooling within a few minutes
- Emission-free, low-noise operation
- Compact and ergonomic design
- Mobile without any cables
- Powered with rechargeable batteries
- Customer-specific solutions on request
- Continuous height adjustment

For the following aircraft types:

Airbus: A320, A321, A330, A340, A350, A380

Boeing: B747, B777, B787

Douglas: DC-10, McDonnell Douglas MD-11

Lockheed: L-1011

Use

The compact, battery-powered BCS uses a high-performance fan to draw air through the wheel-tire combination, effectively cooling the brake components in just a few minutes.

The system, specially developed for cooling landing gear brakes, helps significantly reduce turnaround times. Thanks to the downward-facing air outlet, it ensures emission-free and quiet operation under the aircraft.

The planes are ready to take off again in no time!

Equipment

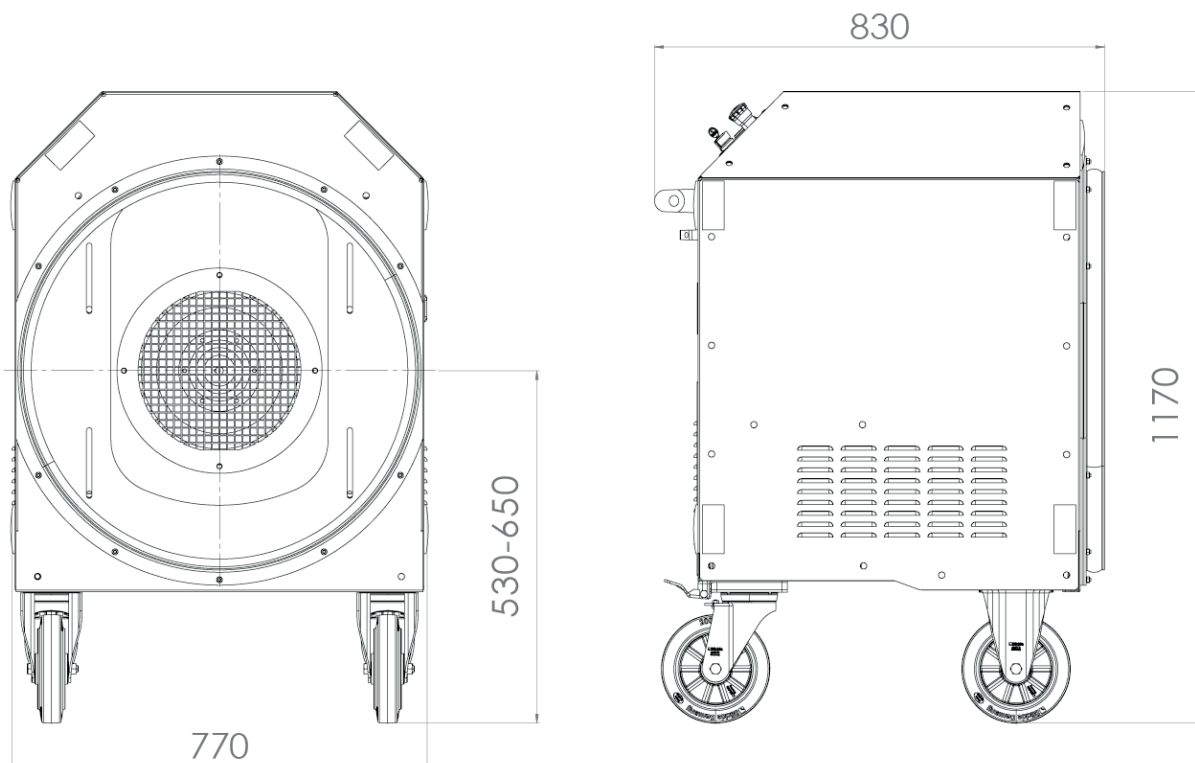
The mobile device comes fully assembled in an aluminum housing with two swivel and two fixed casters, including the control cabinet and control unit. Its lightweight design makes it easy and ergonomic to operate.

The power is supplied by maintenance-free gel batteries, including a charger with adaptive charge management.

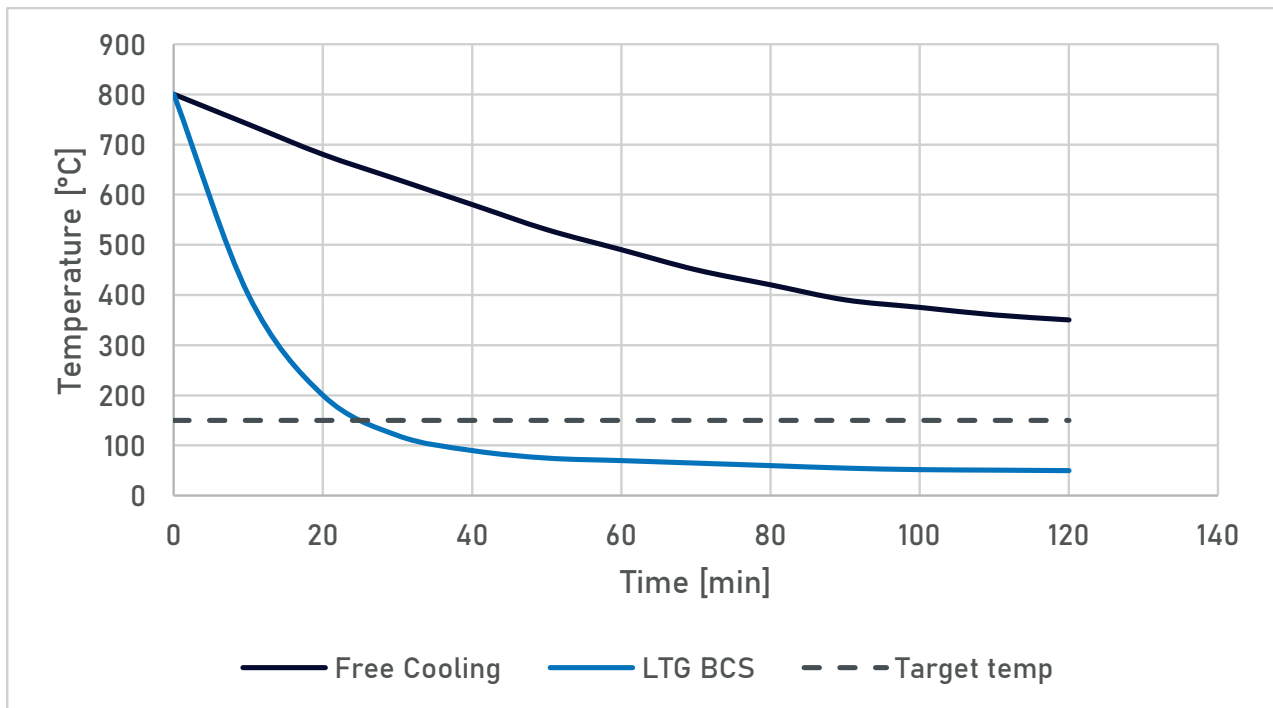
The current operating status can be monitored via charge level indicator, operating light and the operating hours counter. A suitable fire extinguisher is mounted in the charging handle recess.

TECHNICAL DATA FEATURES	BCS 355
Ambient temperature	-5 °C to +55 °C
Motor	Motor cooling with cooling radiator and cooling fin housing, temperature overload protection
Operating/control voltage	24 VDC
Power supply	230 V (200-250) / 50-60 Hz o. 120 V (100-130) / 50-60 Hz, charging cable 4 m
Operating time	5 h
Device casing	Powder coating in RAL 9010 (white, glossy, rainproof)
Sound level	<75 dB(A) at 1 m distance
Height adjustment Intake opening	530-650 mm, continuously variable (axle height above ground)
Weight	190 kg

Dimensions in mm



Cooling curve (A380)



Cooling details (A380)



BCS Trailer

For Aircraft Brake Cooling System Type BCS 355





Use

The trailer is specially designed for transporting up to six BCS units. The chassis can be lowered to ground level for safe loading and unloading.



Interior view: capacity up to six BCS 355

Equipment

The frame structure is made of high-quality profile steel and a weatherproof, lockable box body. An Airline track system is installed for cargo securing.

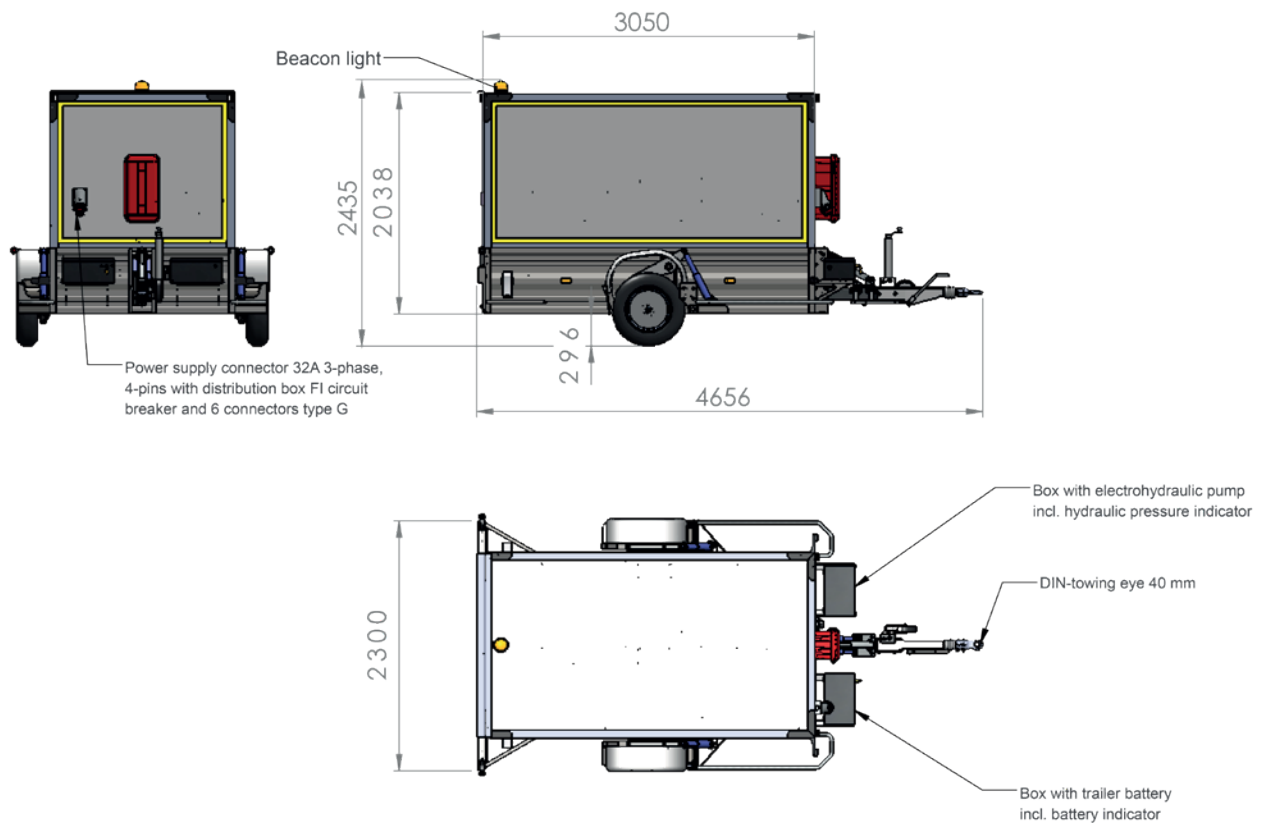
Thanks to the electric collective connection (CEE), the BCS can be charged directly in the trailer, while an onboard hydraulic unit allows for ergonomic operation. Variable trailer couplings according to DIN 74053 can be freely chosen with diameters of 30, 40, 45, 50, 68, and 76 mm.



Image: Trailer with fixing system, socket strip and LED light rail

TECHNICAL DATA FEATURES	Trailer for BCS 355
Inside dimensions of box (l/w/h)	approx. 3000 1580 1900 mm
Outside dimensions total length total width total height	approx. 4656 mm approx. 2300 mm approx. 2435 mm
Allowed total weight	approx. 2200 kg
Loading capacity	approx. 1200 kg
Power supply	230 V (200-250) 50-60 Hz o. 120 V (100-130) 50-60 Hz
Operating time	5 h
Supporting force	max. 100 kg
Maximum allowed driving speed	50 km/h
Ambient temperature	-5 °C up to max. +55 °C
Connector plug	Type 32A CEE 3-phase

Dimensions in mm



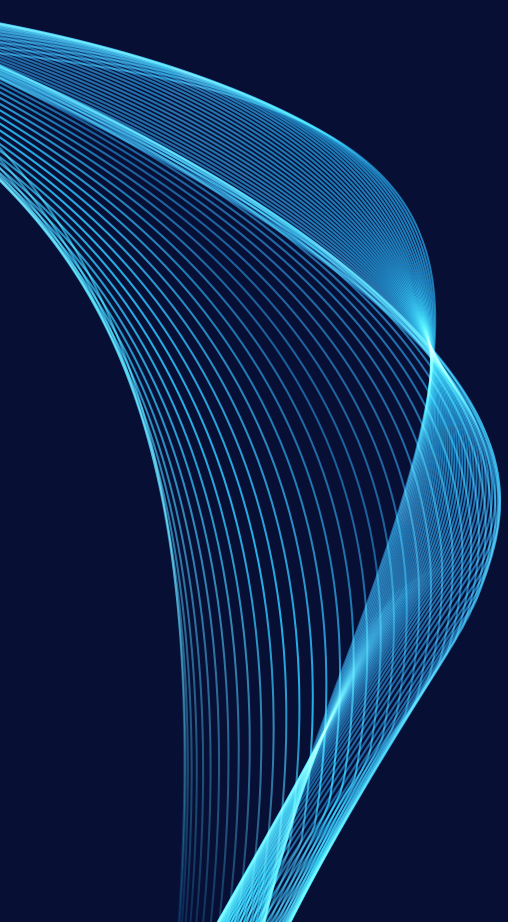
For impressions from all features - scan the QR-Code and join the film



BCS 355 with Trailer

The best solution to ready the aircraft take-off again





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