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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

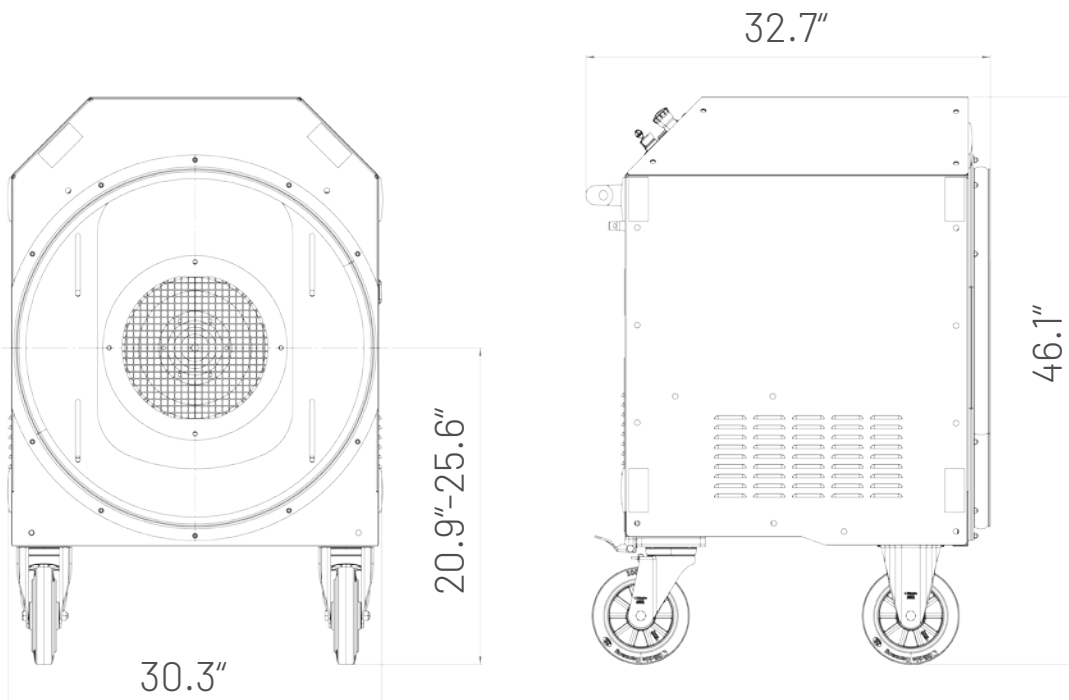
The mobile device comes fully assembled in an aluminum housing with two swivel and two fixed casters, including the control cabinet and control unit. Its lightweight design makes it easy and ergonomic to operate.

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

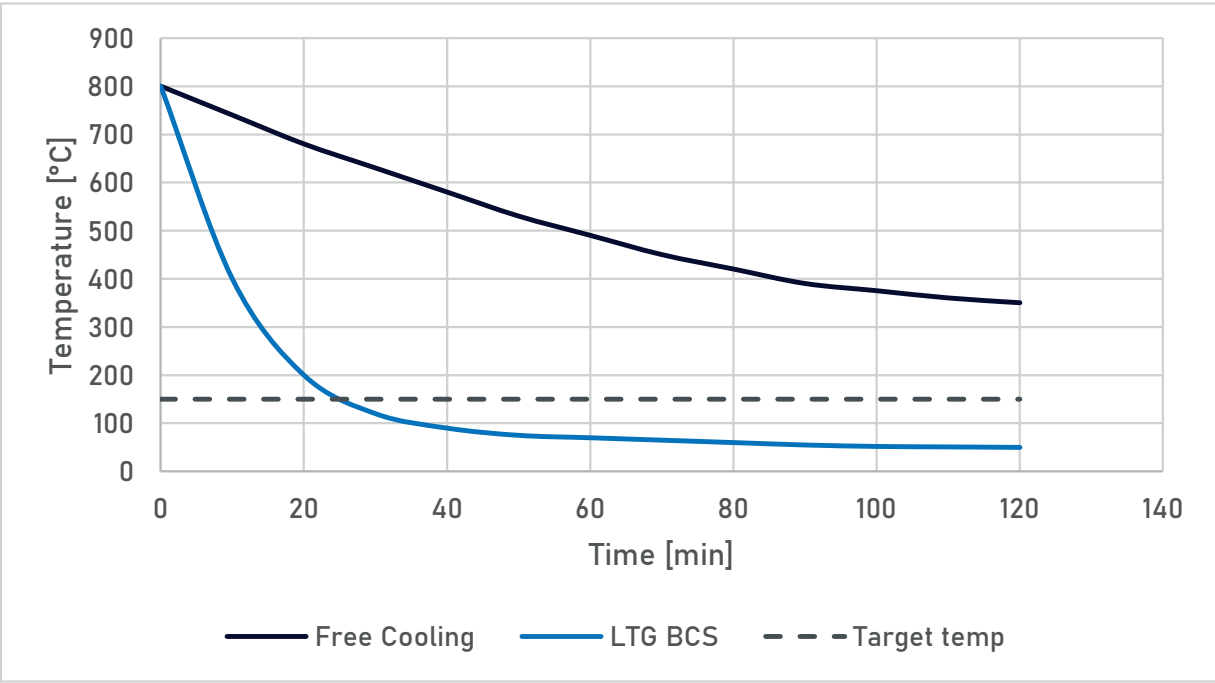
The current operating status can be monitored via charge level indicator, operating light and the operating hours counter. A suitable fire extinguisher is mounted in the charging handle recess.

TECHNICAL DATA FEATURES	BCS 355
Ambient temperature	+23 °F to +131 °F
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 157.5 in
Operating time	5 h
Device casing	Powder coating in RAL 9010 (white, glossy, rainproof)
Sound level	<75 dB(A) at 39.4 in distance
Height adjustment Intake opening	20.9 - 25.6 in, continuously variable (axle height above ground)
Weight	419 lbs

Dimensions



Cooling curve (A380)



Cooling details (A380)





BCS Trailer

For Aircraft Brake Cooling System Type BCS 355





- Fast loading and unloading of up to 6 BCS units
- Ergonomic operation
- Hydraulic lowering of the load floor to ground level
- Variable trailer hitch selectable
- Interior and exterior lighting
- Onboard charging capability for BCS units is available via a central CEE plug
- Safety equipment: fire extinguisher

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.

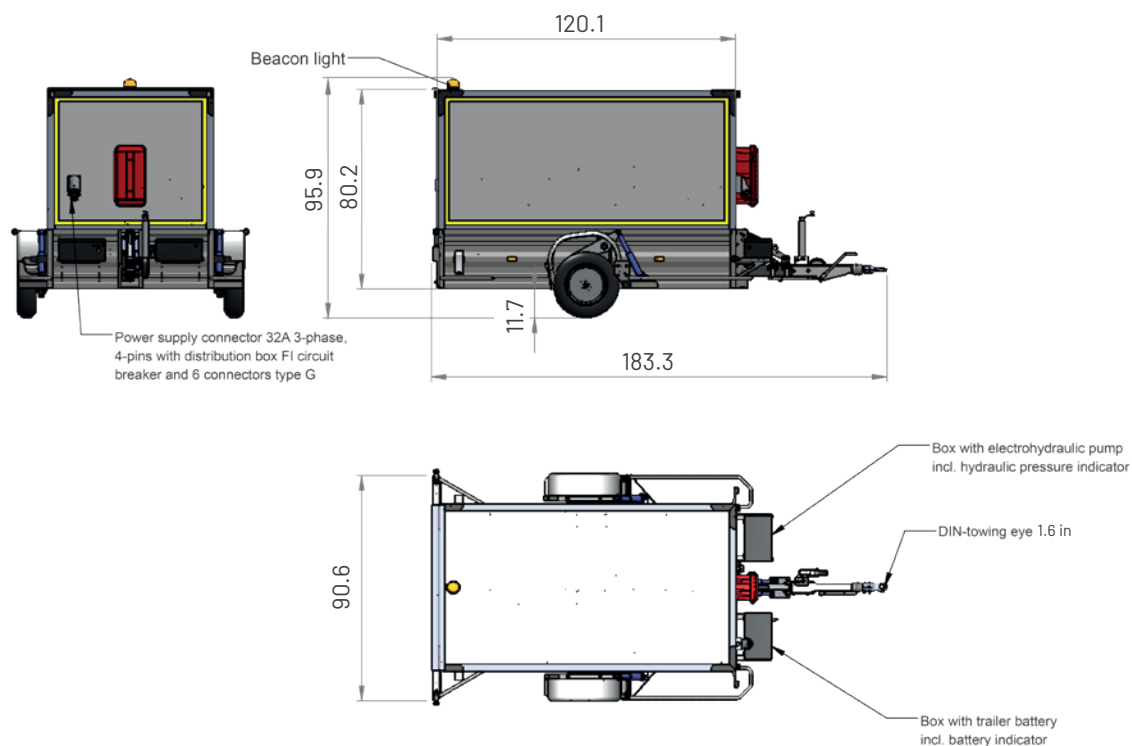
Thanks to the electric collective connection (CEE), the BCS can be charged directly in the trailer, while an onboard hydraulic unit allows for ergonomic operation. Variable trailer couplings according to DIN 74053 can be freely chosen with diameters of 1.2, 1.6, 1.8, 2.0, 2.7 and 3.0 in (30, 40, 45, 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. 118.1 62.2 74.8 in
Outside dimensions total length total width total height	approx. 183.3 in approx. 90.6 in approx. 95.9 in
Allowed total weight	approx. 4,850.2 lbs
Loading capacity	approx. 2,645.5 lbs
Power supply	230 V (200-250) 50-60 Hz o. 120 V (100-130) 50-60 Hz
Operating time	5 h
Supporting force	max. 220.5 lbs
Maximum allowed driving speed	31.1 mph (50 km/h)
Ambient temperature	+23 °F to +131 °F
Connector plug	Type 32A CEE 3-phase

Dimensions in inches



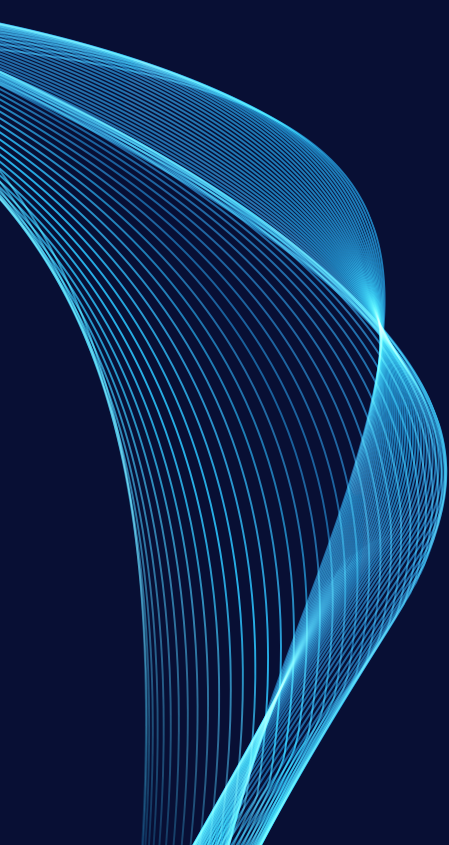
For impressions from
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BCS 355 with Trailer

The best solution to ready
the aircraft take-off again





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