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Active Heat & Cool-Container Compressor Technology Opticooler – RAP (LD9)

The Opticooler, the new highly-developed air cargo container with a sophisticated ventilation system and integral large rechargeable accumulators, regulates the temperatures within the cargo compartment of the unit by using compressors for cooling in combination with an electrical heating. The system is controlled by external temperature sensors for recording the ambient temperature, several sensors for the freight compartment in order to maintain the required temperature range and one temperature sensor in the technical compartment of the unit.

Technical specification:		
Temperature range Performance characteristics of unit (°C/°F)	+2 °C to +30 °C	+35,6 °F to +86 °F
External dimensions (L x W x H)	3175 x 2235 x 1615 mm	125 x 88 x 63 in
Internal dimensions (L x W x H)	2500 x 2063 x 1334 mm	98 x 88 x 52,5 in
Max. internal loading dimensions for freight (L x W x H)	2460 x 2023 x 1320 mm	96,8 x 79,6 x 51,9 in
Effective loading volume (m³/cu.ft)	6,57 m³	232 cu.ft
Tare weight (kg/lbs)	1080 kg	2381 lbs
Max. gross weight (kg/lbs)	6033 kg	13300 lbs
Max. net weight (kg/lbs)	4953 kg	10919 lbs
Power supply	Operated by compressors and 12/24 V airworthy accumulators	
Ground system	110/220 V connector	
Accumulator loading time (from 0 to 100 %)	Approx. 6 hours	
Autonomous running time	Approx. 100 hours	
Data recording	Continuous recording of operational data	

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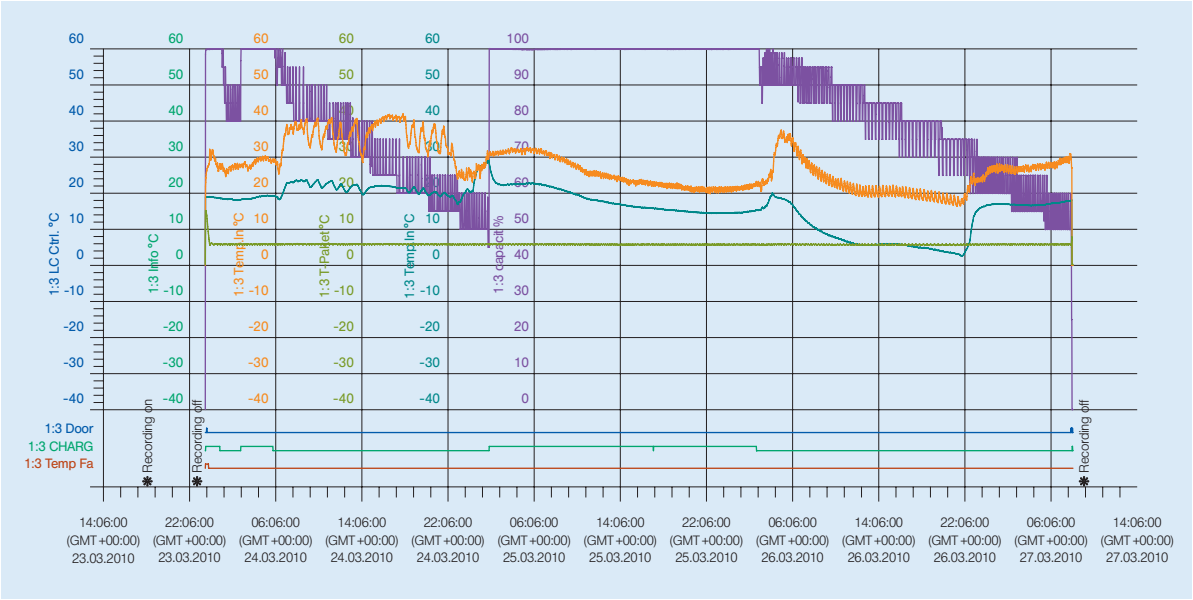
Data Recording: Opticooler – RAP (LD9)



Continuous recording of operational data such as:

- Start and stop of operations
- Power supply and charging times
- Internal temperature
- Alarm indications
- Ambient temperature
- Time and duration of temperature deviations
- Internal humidity
- Door activities
- Opening of doors and duration of opening

Contact information:

If you require more information on Lufthansa Cargo's temperature-controlled services please contact your Lufthansa Cargo sales office, or visit us in the internet at **www.lufthansa-cargo.com**

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