Roof-Top Air conditioner to meet tough demands

CC 355

Lightweight – low noise – powerful

www.spheros.com

SPHEROS

▸ Reduced to the max

More power – less weight, smaller dimensions and lower costs

Just how do they do it? That's a question we hear again and again in the world's bus markets. With the CC-family we have indeed created something special for demanding markets.

It was developed for use in rugged conditions – in markets which are at the same time cost-sensitive, in which service and maintenance of the units must be simple, reliable and fast, e.g. with the aid of easy-access side flaps. But it will also appeal to markets requiring short, high-performance units for gas-powered and hybrid buses.

Developed for use in markets with rugged requirements.

Reliable availability of spare parts and components.

▸ We‘re close to you

Local sales and service

German engineering does not end with development and production. Our services extend to the aftermarket. Wherever you are located, our consulting, sales and service competence is available close to you.

EC fan and blowers

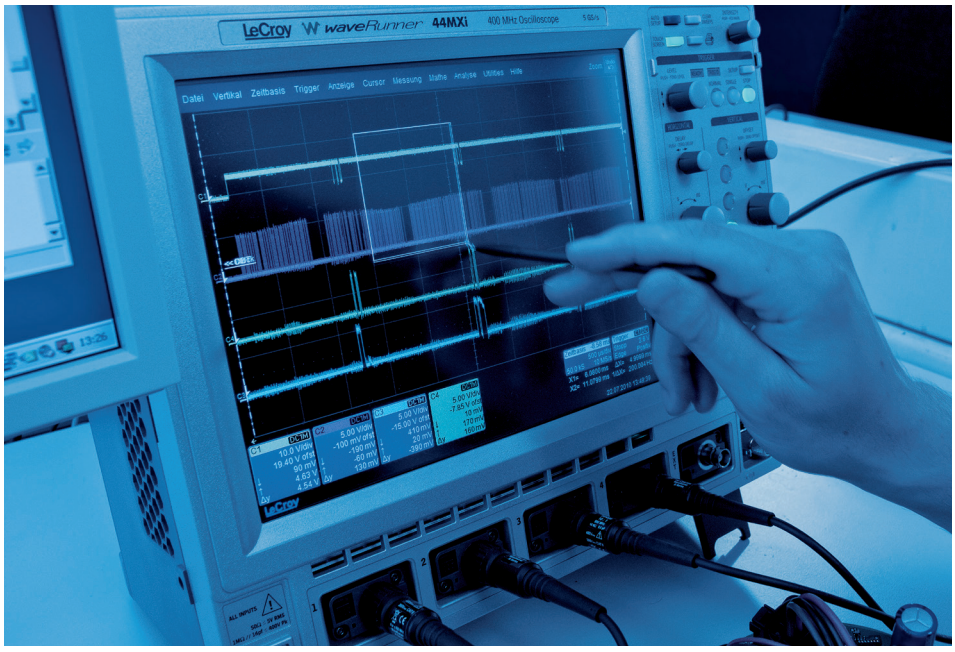
- Improved airflow
- High working cycle
- Low noise

▸ German engineering: what it means only to think in bus solutions

Nowhere are the requirements for ventilation and air conditioning more demanding than in buses. This is precisely where the technical expertise and market knowledge comes into play, as manifested in all products from the controls to the AC, and offered by the Spheros Group at its locations around the world.

We at Spheros focus our commitment in the air conditioning and ventilation sector exclusively on the bus business – as we have done for many years at numerous locations. This has always required close cooperation between customers on-site and the engineering specialists from Spheros Germany.

The result is premium quality, reliable components which are certified on-site – after being put through their paces in accordance with stringent German engineering standards.



German engineering: air conditioning test station at Spheros.

▸ Controlled by Spheros Electronics

Clear design

- Logical layout
- Intuitive controls
- Reliable functioning

Smart Commands

- Fully automatic control of temperature and fresh air flap for reduced fuel consumption
- Two fan positions
- Alarm for fault diagnosis

German engineering for worldwide mission

HIGHLIGHTS

Low life-cycle costs

- Low pressure through big sized condenser components result in lower fuel consumption
- Lightweight construction

Environmentally friendly

- Low noise emission

Comfort

- Components designed specially for use in hot countries and the tropics
- Significantly smaller dimensions than its competitors: over 120 cm shorter and 12 cm narrower!
- Fits on gas-powered and hybrid buses
- Service oriented design for simple and fast maintenance

Others

- German engineering with local expertise

TECHNICAL DATA

	CC355
Max. Nominal Cooling capacity (kW) *	40
Air flow evaporator (free-blowing, m^3/h)	6,300
Max. outside temperature (°C)	60
Current consumption (24V)	91A
Heating capacity (kW)	42
Refrigerant (CFC-free)	R 134 a
Compressor (cm^3)	650
Weight (roof top unit, kg)	165
Dimensions L x W x H (mm)	3,480 x 1,700 x 200

* (evap. air in 40°C/46% r.h. ; ambient 35°C)

SPHEROS

Spheros Australia Pty Ltd
15-17 Rodeo Drive | Dandenong South Victoria 3175 | Australia | Office +61 (03) 9706 0084
www.spheros.com