Roof-Top Air conditioner to meet tough demands

CC 305 / CC 335/CC 355

Lightweight – low noise – powerful

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▸ 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

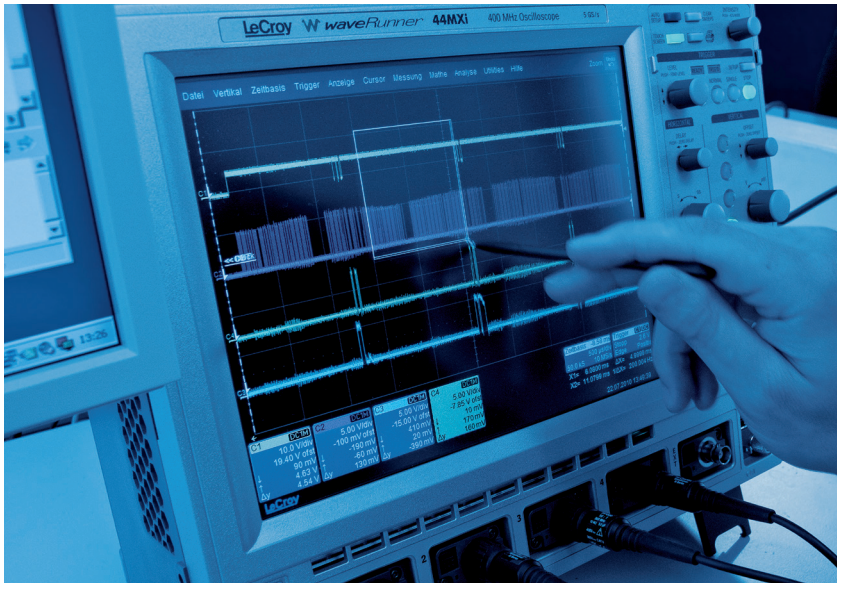
German engineering does not end with development and production. Our services extend to the aftermarket. Wherever you are located, our consulting, sales and service competence is available close to you.

▸ 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 Valeo Group at its locations around the world.

We at Valeo Thermal Bus 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 Valeo 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.

EC fan and blowers

- Improved airflow
- High working cycle
- Low noise

Spheros Control 300

▸ 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

	CC305	CC335	CC355/CC354
Max. Nominal Cooling capacity (kW) *	32	35	40
Air flow evaporator (free-blowing, m^3/h)	4200	6400**	6400**
Max. outside temperature (°C)	60	60	60
Current consumption (24V)	65A	82A	91A
Refrigerant (CFC-free)	R 134 a	R 134 a	R 134 a
Compressor (cm^3)	470	560	650
Weight (roof top unit, kg)	145	155	158/149
Dimensions L x W x H (mm)	3480 x 1700 x 200	3196 x 1696 x 220	3,196 x 1696 x 220

* Heating is optional.

** Available in brushless motors with 7-10% more air flow than brushed motors.

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