

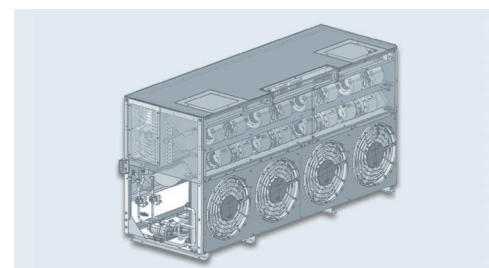
DD540-E



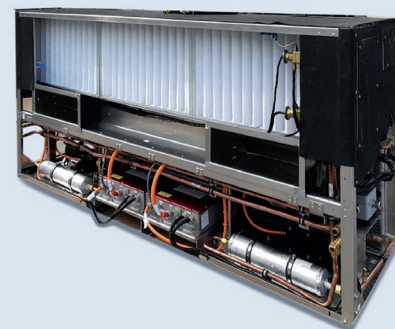
Best in class – lightweight A/C solution for heavy e-powered double-deckers

The DD540-E is a compact A/C unit specifically designed for electrically driven double decker buses. Particular attention was paid to lightweight and energy-efficient components as well as performance and ease of installation.

The product with integrated compressor and inverter convinces with a small space requirement, high safety and maximum reliability.



DD540 – for e-powered double deck buses



HIGHLIGHTS



Low life-cycle costs

- Low energy consumption due to low overall weight (lightweight components and aluminium housing)
- Long lifetime due to brushless EC blowers and fans



Environmentally friendly

- Safety against leakage due to less piping and integration of components, e.g. compressor and inverter, in the unit
- Outstanding COP of 2.3 due to energy saving design and components



Easy installation

- Integrated components and reduced piping simplifies the installation process



Comfort & Safety

- Individual and independent temperature control for upper and lower deck
- A broad voltage range covers any of the requested applications
- With the implementation of the sealed inverters, all maintenance parts, like fans, blowers, etc are at 24 V level
- Very reliable and safe AC unit due to usage of verified and long proven components



Options

- Integrated battery cooling and heating system, to protect the batteries from overheating or overcooling
- Optional fresh air inlet and water heating (up to 30 kW)
- Additional split version available

TECHNICAL DATA

	CC540-E
Cooling capacity (kW)	35
Heating capacity (kW)	30
Voltage range (VDC)	600 V (450 - 850)
Temperature cut off (° C)	55
Refrigerant	R134a
Coefficient of Performance - COP	2.3
Weight (kg)	350
Dimensions L x W x H (mm)	2,029 x 746 x 1,027