



Merely illustrative image

AIR CONDITIONING

Coaches / Citybus

CC425
CC450
CC470
CC490

Best relationship between
Weight x Performance
Reliability
Thermal Comfort



FOC 205_REV.01/July 2024

SPHEROS

Technical Data

Highlights	CC425	CC450	CC470	CC490
Maximum Capacity	143.500 BTU/h (42 kW)	153.600 BTU/h (45 kW)	160.400 BTU/h (47 kW)	167.200 BTU/h (49 kW)
Flow of Evaporator	8.800 m ³ /h	8.800 m ³ /h	8.800 m ³ /h	8.800 m ³ /h
Flow of Condenser	14.500 m ³ /h	17.400 m ³ /h	17.400 m ³ /h	17.400 m ³ /h
Roof Unit Weight ¹	172 Kg	175 Kg	175 Kg	175 Kg
Refrigerant Gas ²	R134a - 5 Kg	R134a - 5 Kg	R134a - 5 Kg	R134a - 5 Kg
Compressor	TM 65 / 635 cm ³	TM 65 / 635 cm ³	Bock FK40 / 650 cm ³	Bock FK40 / 755 cm ³
Compressor Weight ³	18,5 Kg	18,5 Kg	32 Kg	32 Kg
Dimension L x W x H (mm)	3500 x 1695 x 220	3500 x 1695 x 220	3500 x 1695 x 220	3500 x 1695 x 220
Roof radius (mm)	5.500 - 12.000	5.500 - 12.000	5.500 - 12.000	5.500 - 12.000

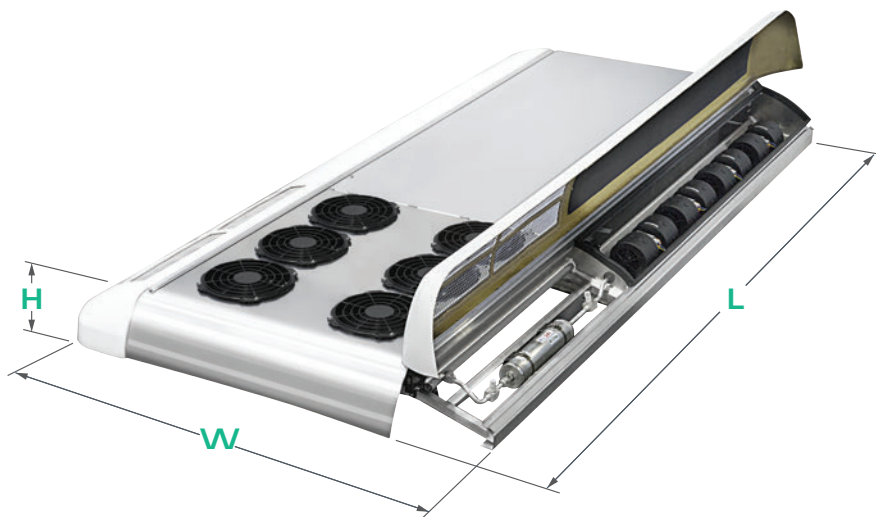
1- Weight of rooftop unit without integrated heating system.

2- Gas load values vary according to application.

3- Compressor weight without clutch.

Optional	Highlights	CC425 - CC450 - CC470 - CC490
Integrated Heating System	Heating Capacity	136.500 BTU/h (40 kW)
Fresh Air System	Fresh air Capacity ⁴	25%

4- Referring total flow of the evaporator.



Highlights

- High cooling capacity
- High airflow
- Low noise
- Low operational cost
- Easy maintenance
- Produced from sustainable material
- Evaporator with 8 blowers
- Condenser with 6 Fans

Application

- Citybus
- Coaches

Technical Features

Digital Electronic Control

- Smart commands
- Automated control (keeps the AC at the programmed temperature)
- Fresh air flap manually or automatically controlled
- Alarms for fault diagnosis

Relay Board

- High reliability
- Easy maintenance

Compressor

- High performance
- Long durability

Blower/Fan

- Low noise
- High performance
- Long durability