

Perfect for minibuses

# MINISPHERE



Now  
also available  
with refrigerant  
**1234yf**

## The easy way to cool minibuses

Our new compact Minisphere is not only the air conditioning unit with the fastest installation – at only 38 kg it is also the ideal lightweight solution for all minibuses. The unit can be installed with minimum investment in labour and time, making it an attractive option for retrofitting. It is also “mini” in terms of running costs.

## HIGHLIGHTS



### Easy Installation

- Unit can be carried and installed by only two men in a short time
- Fast and easy retrofit



### Aerodynamic Design

- Flat design in harmony with vehicle construction (184 mm)



### Low Life-Cycle Costs

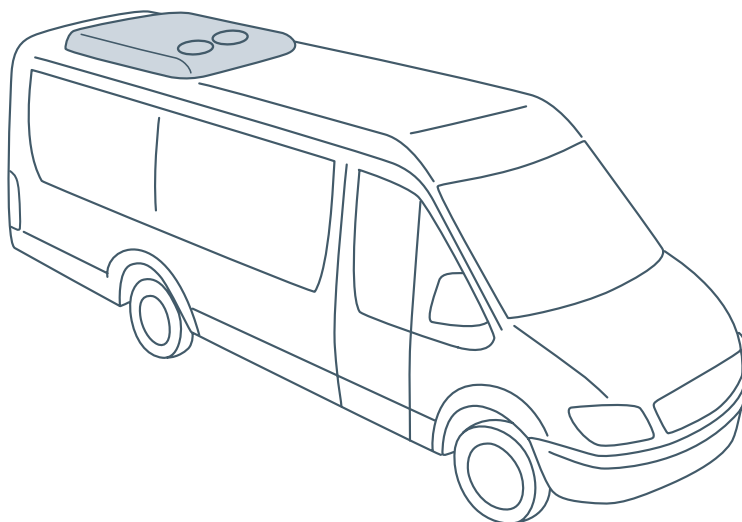
- Lightweight construction (38 kg) result in low fuel consumption
- Lower weight as the maximum roof load (roof structure don't have to be reinforced)



### Comfort

- Available in 10 kW / 13 kW for moderate climate zones and hot countries
- Variable air outlet position: central / lateral
- Optional: Fresh air, heating, fresh air & heating

Minisphere on minibus



## TECHNICAL DATA

	Minisphere 100 <i>new</i>	Minisphere 130 <i>new</i>
Max. cooling capacity (kW)	10	13
Voltage (V)	12	12
Air flow volume (free blowing, m³/h)	2,100	2,100
Max. power consumption (A)	50	64
Weight (kg)	38	40
Dimensions L x W x H (mm)	1,421 x 1,310 x 184	1,421 x 1,310 x 184
Heat output (kW)	Optional (8)	Optional (8)
Fresh air	Optional (30%)	Optional (30%)
Dimensions L x W x H (mm) with fresh air	1,507 x 1,310 x 184	1,507 x 1,310 x 184
Compressor (cm³)	160	160
Cut-off temperature (°C)	52	52

Control Unit SC 400 / SC 410



Functional, robust and easy to operate

- Proven and reliable Spheros quality
- Versions:
  - SC 400 (cooling)
  - SC 410 (cooling with fresh air and heating option)
- Error code display
- Front splashproof (IP54)