



Siberian HP

Electric Rooftop HVAC with Heat Pump

The most recent iteration of the Siberian product platform is the S18-e featuring heat pump technology. The Siberian HP represents a self-contained HVAC unit equipped with a scroll compressor, incorporating glycol battery cooling and the option of PTC heating. It is engineered to function effectively across a broad spectrum of environmental conditions and is specifically tailored for use in medium to light duty buses.



Features

Low profile design

Modern appearance reduced total bus height

Integrated scroll compressor

Lower maintenance due to hermetically sealed design

Maintenance items are easily accessible from the return air hinged one-piece cover

Improved serviceability

Brushless evaporator blowers and condenser fans

High reliability and efficiency, up to 40,000 hours life cycle

Multiple vehicle roof interface adaptors

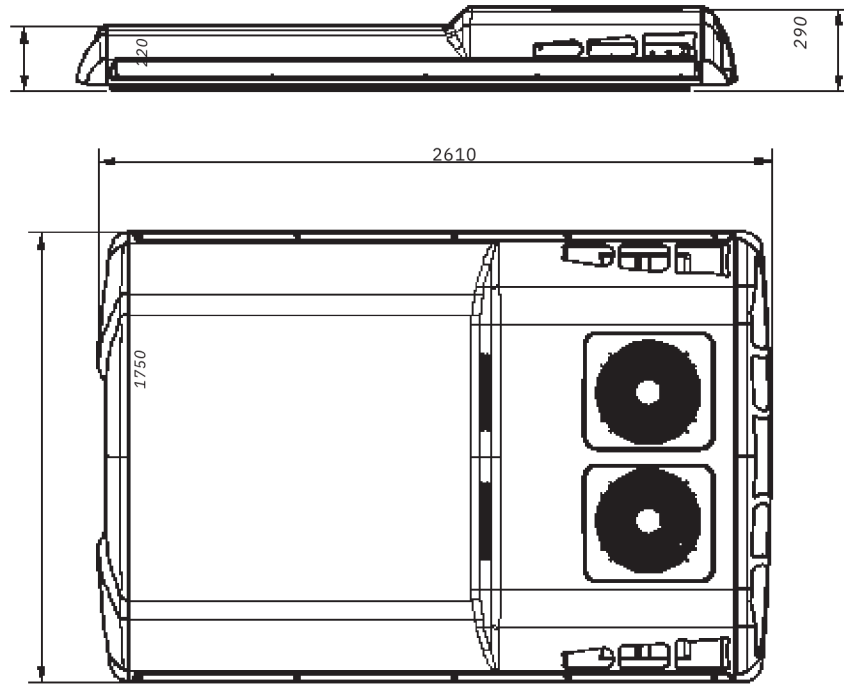
Fits multiple roof radius curvatures

Multiple options, high flexibility

Options: PTC heater (10/15kW), integrated battery cooler, 20 or 40% fresh air, central air variant, different BCC controllers from basic to advanced

Heating (glycol), battery cooler (glycol), flexible coolant connections for heating, battery cooler, and front box

Flexible application for many bus models



Technical Data

Cooling capacity ARI [1]	55,000 Btu/hr (16 kW)
Glycol Heating capacity [2]	51,000 Btu/hr (15 kW)
Heating capacity electric* (750VDC)	34,000-51,000 Btu/hr (10-15 kW)
Air flow (Max)	2600 CFM (4400 m3/h)
Refrigerant	R134a
Voltage	200-450 Vdc or 400-750 Vdc
Weight	397 lbs (180 kg)
Dimensions (LWH)	102.8" (2610mm) x 68.9" (1750mm) x 11.4" (290mm)

* Optional

[1] ARI conditions: 95°F (35°C) / 80°F (27°C) / 50% RH

[2] Heating Rating Conditions: 144°F (80°C) Δ T between fluids at inlet.

