



Siberian 16 & 18

Economical compact roof mount HVAC unit

The Siberian family of compact system roof mount air-conditioning has been developed and enhanced to meet the varied demands best suited to the global bus and coach market. Two system sizes to suit most medium bus roof mount applications. Microchannel Heat Exchangers (MCHX) and multiple motor options for performance improvements, reduced weight and enhanced reliability,

provides the customers with options to suit all conditions and applications for this size system. For the maximum passenger and driver comfort, the Siberian 16 and 18 systems are coupled with MCC's state of the art driver operator control system. Multiple compressor options provides the complete HVAC package.



Siberian 16



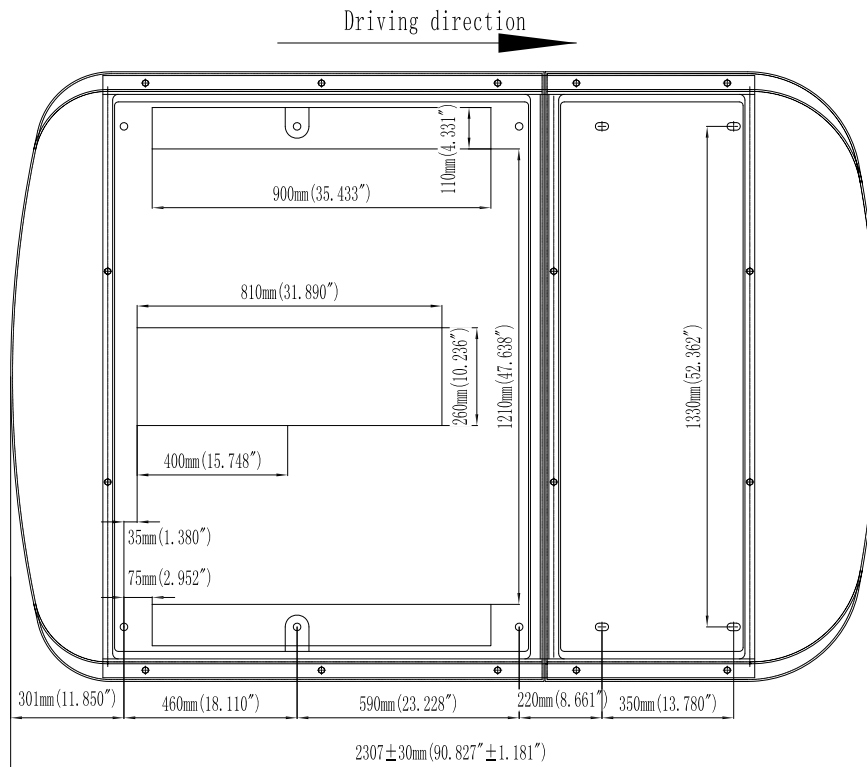
Siberian 18

Features

- Motor options brushed or brushless
- Micro channel MCHX condenser coils
- R134a refrigerant with optimal system design
- Centre return air access
- EcoTemp Lite controller
- Multiplex CAN compatible
- Multiple compressor options

Benefits

- Reduced noise, less power, greater reliability
- Improved performance and lower weight
- Less refrigerant, lower cost
- Ease of access for maintenance and servicing
- Simplified for easy operation
- Integrates into vehicle control system
- Customer choice of compressor



Technical Data

	Siberian 16	Siberian 18
Cooling capacity @ max ^[1]	68000 Btu/Hr (20kW)	82000 Btu/hr (24kW)
Cooling capacity @ ARI ^[2]	55000 Btu/Hr (16kW)	62000 Btu/hr (18 kW)
Heating @ 7 gpm (100F Δ T)	55000 Btu/hr (16 kW)	55000 Btu/hr (16 kW)
Length	86.6" (2,200 mm)	
Width	64.6" (1,640 mm)	
Height	7.5" (190 mm)	
Weight	187 lbs (85 kg)	198 lbs (90 kg)
Refrigerant	R134a	
Airflow (Max)	2,354 CFM (4,000 m3/h) free-blow	
Current	48 A at 28 V - 96 A at 12 V	50 A at 28 V - 100 A at 12 V

[1] Max conditions 95°F (35°C)/104°F (40°C)/50% RH

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

