



Siberian 16 / 18

Economical compact roof mount HVAC unit

The Siberian is an economical inline compact roof mount air-conditioning system that has been developed to meet the varied demands for the global bus and coach markets. 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 systems are coupled with MCC's state of the art driver operator control system. Multiple compressor options provide the complete HVAC package. Combined with MCC's electronics it provides easy operation.



Features

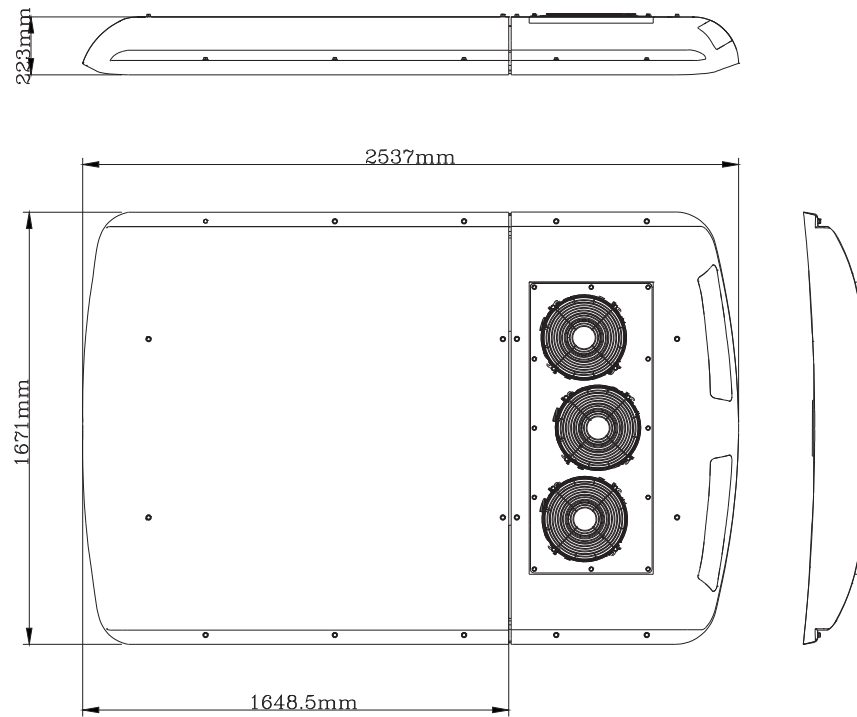
- Motor options brushed or brushless
- Micro channel MCHX condenser coils
- R134a refrigerant with optimal system design
- Centre return air access
- EcoTemp Lite controller
- Multiplex CAN compatible
- Multiple compressor options

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

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MCC Roof Mount Units



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) | 86.6" (2,200 mm) |
| Width | 64.6" (1,640 mm) | 64.6" (1,640 mm) |
| Height | 7.5" (190 mm) | 7.5" (190 mm) |
| Weight | 187 lbs (85 kg) | 198 lbs (90 kg) |
| Refrigerant | R134a | R134a |
| Airflow (Max) | 2,354 CFM (4,000 m3/h) free-blow | 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

