

COOL ZONE BUS SYSTEM PACKAGE GUIDE

Every climate has an ideal A/C system configuration. Find out what's best for your region.

This guide applies to buses with up to 78 seats.

4-unit configuration
3-unit configuration
2-unit configuration
1-unit configuration

Welcome to the Cool Zone®

When it comes to choosing an air conditioning system for your bus fleet, quality, reliability and performance are critical. Bergstrom's new Cool Zone[™] bus air conditioning system is a solution you can count on. The system consists of front and rear bulkhead units, a dual fan ceiling mount unit with a two-fan or three-fan condenser. The result? Cool Zone is so effective that it cools the bus down quickly and efficiently.



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Rear Bulkhead Unit (with cover)

Installation and maintenance are simple with adjustable mounting brackets and filters that are easy to service. Electronic freeze protection prevents coils from freezing and a full insulated case prevents case sweating.

Midship Unit (with cover)

A power-coated galvannealed steel construction prevents rust, and the two adjustable double louvers and ball louvers optimize air flow for passengers.

Front Bulkhead Unit (with cover)

The 2-ton thermal expansion valve improves AC performance while the fully adjustable louvers direct airflow and enhance coooling. An optional driver airflow duct with fully adjustable louver maximizes driver comfort.

Skirt Condenser (under bus x2) -

Three sealed axial fans produce 1600 actual cubic feet per minute airflow. Performance is maximized with zinc-chromate plated steel hardware and a powder-coated steel receiver drier with 12 cubic inches of molecular sieve.

Dash Unit

Cooling and heating capability maximize occupant comfort in both hot and cold climates. Filter is servicable and easy to access and louvers are fully adjustable for optimal airflow control.

Compressors (x2)

Compressors are highly reliable and serviceable. Options include Sanden Enhanced SD7 or Seltec TM-21.

- High-Pressure Liquid Line
- High-Pressure Gas Discharge Line
- Low-Pressure Gas Suction Line
- **Receiver Drier**
- 👟 Low-Pressure Switch Splice Fitting
- 🔌 Y-Splice Fitting

BEFORE YOU DECIDE WHAT AC SYSTEM IS BEST, ENTER THE COOL ZONE[™] BY BERGSTROM.

Model	Front Bulkhead	Dash Unit	Midship	Rear Bulkhead	Skirt Condenser
Dimensions (mm)	1200 W x 353 H x 199 D	371 W x 556 H x 290 D	776 W x 370 H x 665 D	1200 W x 353 H x 199 D	1299 W x 270 H x 407 D
Dimensions (in.)	47.24 W x 13.9 H x 7.83 D	14.6 W x 21.89 H x 11.42 D	30.55 W x 14.57 H x 26.18 D	47.24 W x 13.9 H x 7.83 D	51.14 W x 10.63 H x 16.02 D

4-Unit System | Up to 136,000 BTU

This system includes a Front Bulkhead Unit, Dash Unit, Midship Unit, Rear Bulkhead Unit and 2 Skirt Condensers.

3-Unit System | Up to 126,000 BTU

One-way systems include a Front Bulkhead Unit, Rear Bulkhead Unit and a Dash Unit. Two-way systems include a Front Bulkhead Unit, Rear Bulkhead Unit and a Midship Unit. Multiple midship options are available for buses which cannot accommodate bulkhead units. In addition, this system has two skirt condensers.

2-Unit System | Up to 120,000 BTU

This system include a Front Bulkhead Unit and Rear Bulkhead Unit. In addition, this system has one skirt condenser.

Suggested Compressor: Sanden SD7 Enhanced 12V

Warranty is a 3-year unlimited mileage limited warranty

Various Bus System Packages Available

System packages can consist of any combination of bus systems. Factors that determine the different types of bus system packages can include the size of the bus, state regulations and/or average weather temperatures in the different regions of the U.S.

