



*BEFORE YOU DECIDE
WHICH A/C SYSTEM
IS BEST FOR YOUR BUS FLEET,*

***ENTER THE
COOL ZONE***

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™ school bus air conditioning system is a solution you can count on.

Bergstrom began producing heaters for Carpenter & Thomas school buses in 1952 and has grown into the largest supplier of school bus heaters in the U.S. Bergstrom has taken this industry expertise and engineered an OEM-quality air conditioning system for the school bus market that will keep students comfortable and happy.

The system consists of front and rear bulkhead units, a midship unit with two three-fan condensers and two compressors. The result? Cool Zone® is so effective that it cools the bus down 20% faster than what's required by Florida specs.*

Before you decide what A/C system is best for your fleet, enter the Cool Zone™ by Bergstrom.

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 powder-coated galvanized 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 A/C performance while the fully adjustable louvers direct airflow and enhance cooling. An optional driver airflow duct with fully adjustable louver maximizes driver comfort.

Dash Unit (with cover)

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

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.

Key:

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

Compressors (x2)

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

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 school bus, state regulations and/or average weather temperatures in the different regions of the U.S.

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

*Based on July 2016 testing performed on a Blue Bird bus. The testing utilized the guidelines in both the Florida and Texas School Bus Specifications, section V and section D respectively, and conducted at the Bergstrom test facilities in Rockford, IL.

