



*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.

The system consists of front and rear bulkhead evaporators, a midship evaporator with two three-fan condensers and two compressors. The result? Cool Zone™ is so effective that it cools the bus down five minutes 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.



### Midship Evaporator (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 Evaporator (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.



### Skirt Condenser (under bus x2)

Three sealed axial fans produce 1,600 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.



### Rear Bulkhead Evaporator (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.

| Model             | Front Bulkhead Evaporator        | Midship Evaporator             | Rear Bulkhead Evaporator         | Skirt Condenser                     |
|-------------------|----------------------------------|--------------------------------|----------------------------------|-------------------------------------|
| Voltage           | 12V                              | 12V                            | 12V                              | 12V                                 |
| Power             | 55,000 (16,0 kW)                 | 35,000 (10,3 kW)               | 55,000 (16,0 kW)                 | 76,000 BTu/hr (22,3 kW)             |
| Amps              | 25 A/h                           | 15 A/h                         | 25 A/h                           | 19.4 A/h                            |
| Maximum Air Flow  | 1,600 (2,718 m <sup>3</sup> /hr) | 800 (1,359 m <sup>3</sup> /hr) | 1,600 (2,718 m <sup>3</sup> /hr) | 1,570 CFM (2,667m <sup>3</sup> /hr) |
| Dimensions (mm)   | 1200 W x 353 H x 199 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        | 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         |
| Weight            | 68 lbs. (30,8 kg)                | 30 lbs. (13.6 kg)              | 68 lbs. (30,8 kg)                | 67 lbs. (30.4 kg)                   |
| Mounting Position | In-Wall                          | Headliner                      | In-Wall                          | Skirt                               |

\*Actual system performance is dependent on installation, configuration and components used.

Suggested Compressor: Sanden SD7 Enhanced 12V

Warranty is a 2-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 school bus, state regulations and/or average weather temperatures in the different regions of the U.S.

\*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.