

# Capabilities

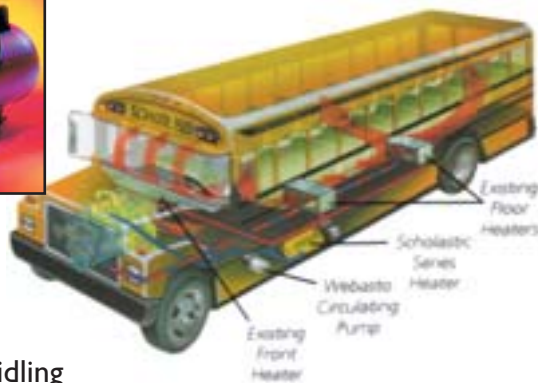


## Engine/Passenger Compartment Preheater

### Capabilities:

Self contained turn-key engine/passenger compartment/anti idling heat system cable of bringing the engine coolant to normal operating temperatures and maintaining that temperature in the engine of the Bus both at pre-idle and operating conditions.

This system will include a completely automated NOI (no operator interface) self powered rechargeable start/stop timer capable of a repeatable 7 day cycle, including 0-8 separate and distinct repeatable cycles.



### Benefits

- Reduces engine idling
- Electrical block heater outlet not required
- Adds a margin of safety for passengers if the bus should be stranded
- Preheats the automatic transmission fluid in many cases
- Provides passenger cabin heat and defrost
- Eliminates cold start issues
- Decreases vehicle cold operation safety problems
- Decreases the potential of air brake compressor freeze-up
- Eliminates white smoke at engine start up
- Warm oil and instant oil pressure
- Quicker cabin heating after start
- Eliminates power cords for plug in block heaters
- Eliminates cold cranking of the engine, requiring less battery power



### 7-Day Digital Timer

Once the timer is set, the system will automatically preheat coolant at the specified time and days with no additional intervention. The engine is warm every time the driver begins his or her work shift.



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# Operating Specifications

## Engine/Passenger Compartment Preheater



### Specifications:

#### Variable Heat Rating:

Input: 52,400 Btu/h (15.2 kW)

Output: 45,000 Btu/h (13.1 kW)

Fuel type: Diesel #1, #2, Arctic, ULSD,  
Alternative Bio Diesel Fuels

#### Fuel consumption:

0.4 gal/h @ full operating cycles

Rated voltage: 12V

#### Power consumption:

9.5 amps @ 12V (114W) w/ high capacity coolant pump

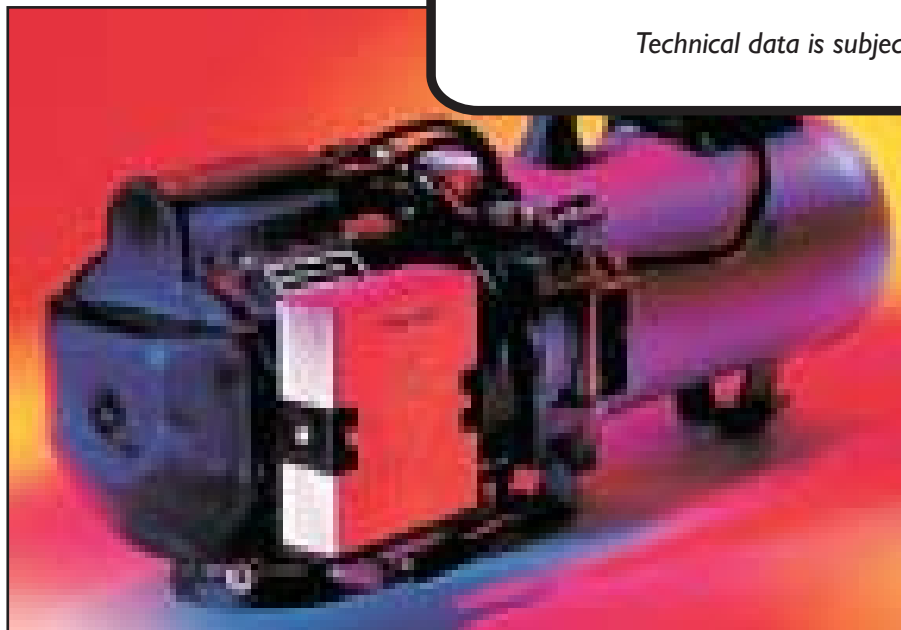
#### Dimensions:

L 23" x W 8.1" x H 10"

L 584mm x W 205mm x H 228mm

Weight: Approx 65 lbs (29.5 kg)

*Technical data is subject to +/- 10% variance*



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