



## *SLR Series*

*All-New, Ultra-Low Profile Rooftop HVAC System featuring ComforTEK for Shuttle and School Bus Applications.*





# Change is in the Air!



*Thermo King's new SLR Series represents a dramatic shift from designs of the past, bringing innovative design concepts that improve airflow with Thermo King's ComforTEK to increase comfort and efficiency.*

## Unique *Through-Roof* Design Delivers:

### Improved Passenger Comfort

With its ultra-slim integrated design, the SLR gives passengers more headroom than conventional systems. Plus, its two-way airflow means comfortable air for all passengers, with no hot or cold spots.

### More Even Weight Distribution

Because the SLR is located at the center of the bus, its weight is evenly distributed across the bus chassis for optimized weight distribution.

### Easy Maintenance

The patent-pending through-roof design of the SLR allows for easy service access, with 90% of all maintenance able to be performed from inside the bus.

### Lightweight, Durable and Rustproof

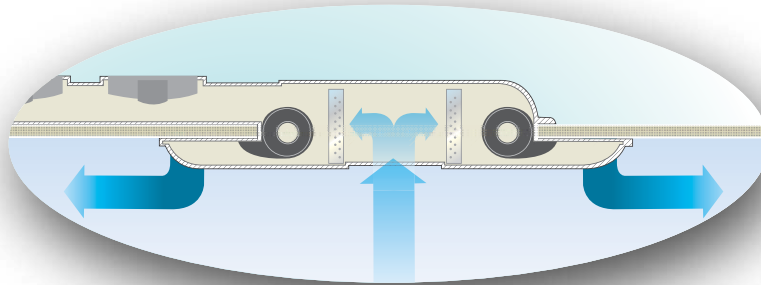
The SLR features a rustproof structural foam ABS cover, which weighs less than fiberglass and is more durable.



*Thermo King's exclusive ComforTEK system delivers:*



- Better Air Distribution for More Comfortable Passengers
- Multi-Directional Airflow Means No Hot or Cold Spots
- Balanced Performance for Lower Energy Consumption
- Lower Profile Design for Increased Passenger Headroom
- 40% Less Refrigerant Required for Cost and Environmental Savings



A revolutionary design - engineered to Deliver What Matters to our customers.

| Feature                                       | Benefit  |
|---|--|
| Through-Roof Design                           | Easy access - 90% of service can be performed from inside bus<br>20-25% quicker installation<br>Safer work environment - no climbing on roof<br>Control panel located inside bus |
| Low-Profile Design                            | Sleek, modern look for any bus roof  |
| Mechanical Fittings                           | Ease of maintenance  |
| Modular Construction                          | Reduced installation time<br>Eliminates long runs of hoses in bus chassis<br>Moves condenser from the ground, less maintenance, longer life<br>40% less refrigerant charge 🌿     |
| Multiple Configurations from One Basic Design | Flexibility to configure a system for buses from 14' to 32'<br>Flexibility to configure a system for any climate zone.   |
| Injected Structural Foam Construction         | Lightweight, rustproof and recyclable 🌿  |



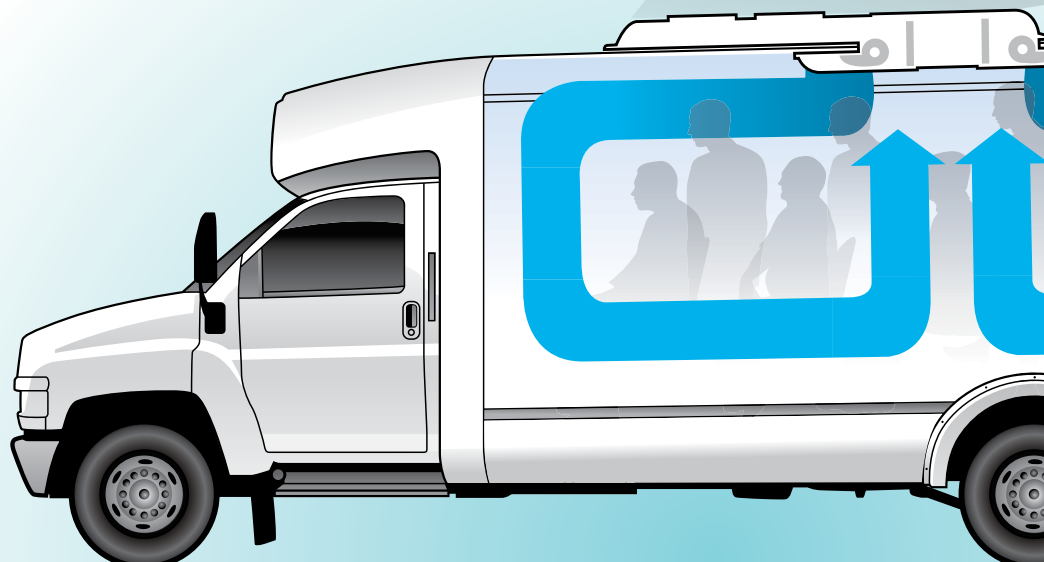
# Better Airflow for Op

## *The new SLR*



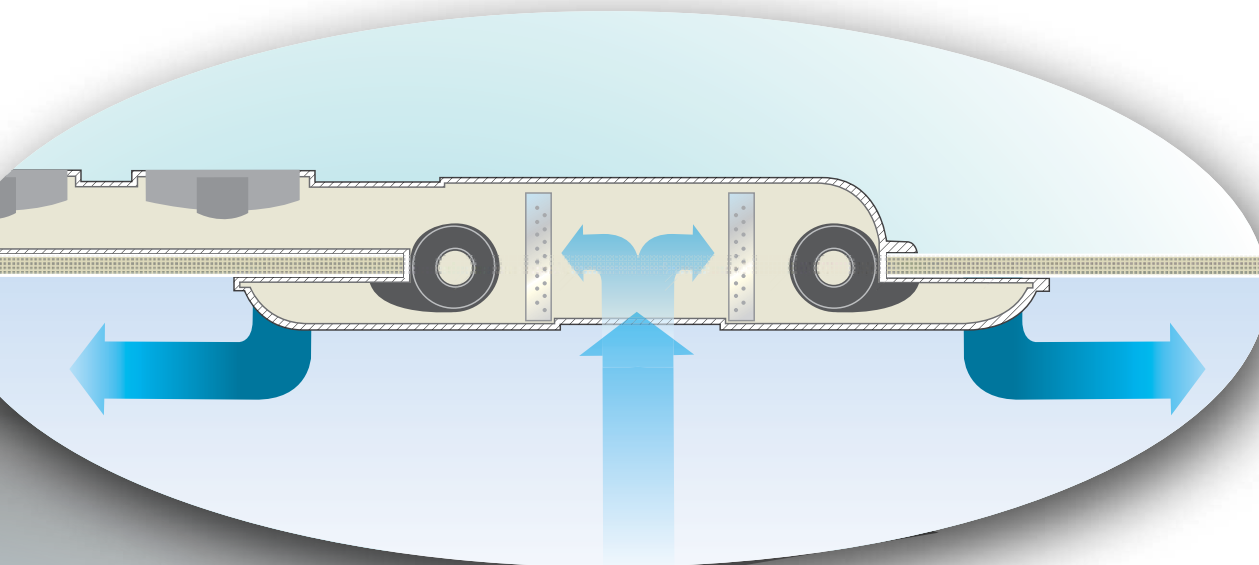
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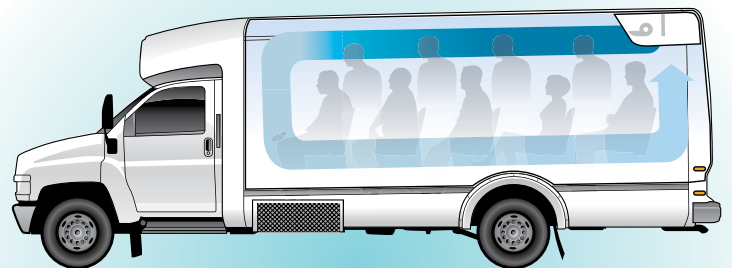




# Optimum Passenger Comfort Achieved with ComforTEK



Conventional Configuration



# Two Models. Unlimited Flexibility.



Choose SLR for all small and medium bus applications from 16' to 35'

| Bus Length | Unit    | Capacity (IMACA BTU/hr) | Compressor |
|------------|---------|-------------------------|------------|
| 16'-20'    | SLR 65  | 60,000                  | TM16       |
| 21'-24'    | SLR65   | 66,000                  | TM21       |
| 25'-28'    | SLR75   | 75,000                  | TM21       |
| 29'-32'    | SLR75   | 84,000                  | TM31       |
| 33'-35'    | 2xSLR65 | 132,000                 | 2xTM21     |

System configurations are for ambient temps up to 120°F (49°C). Sample configurations only - see your Thermo King dealer to choose the proper configuration for your application.

## Standard Features

Why pay for more than you want. Thermo King provides standard features designed to meet your needs.

### Simple Control System

On/off switch and a three-speed fan switch.

### Environmentally Safe R-134a

Zero ozone depletion

### TM 21 Compressor

High capacity for a wide range of applications

### Oversized Return Air Filter

Added protection for longer system life

### Micro-Channel Condenser Technology

Low weight and higher efficiency

### TK2000 EZ-Clip Hoses and Fittings

Reduce potential for leaks

## Cost Saving Options

Take control of your operating costs with these options available only from Thermo King.

### IntelligAIRE™ Microprocessor Controller

Precise temperature control with diagnostics, CAN communications and optional driver's display.

- Diagnostics accessible through optional display or PC interface tool
- Configurable programs
- Select set point digitally
- Temperature display
- Automatic temperature and mode control
- Alarm LEDs

### TM 16 and TM 31 Compressors

Added Flexibility to configure systems for specific applications

### Heat/Cool

Supplemental heat for cold weather applications and dehumidification for cool humid climates



**Expert Service and Support  
are as close as this sign.**

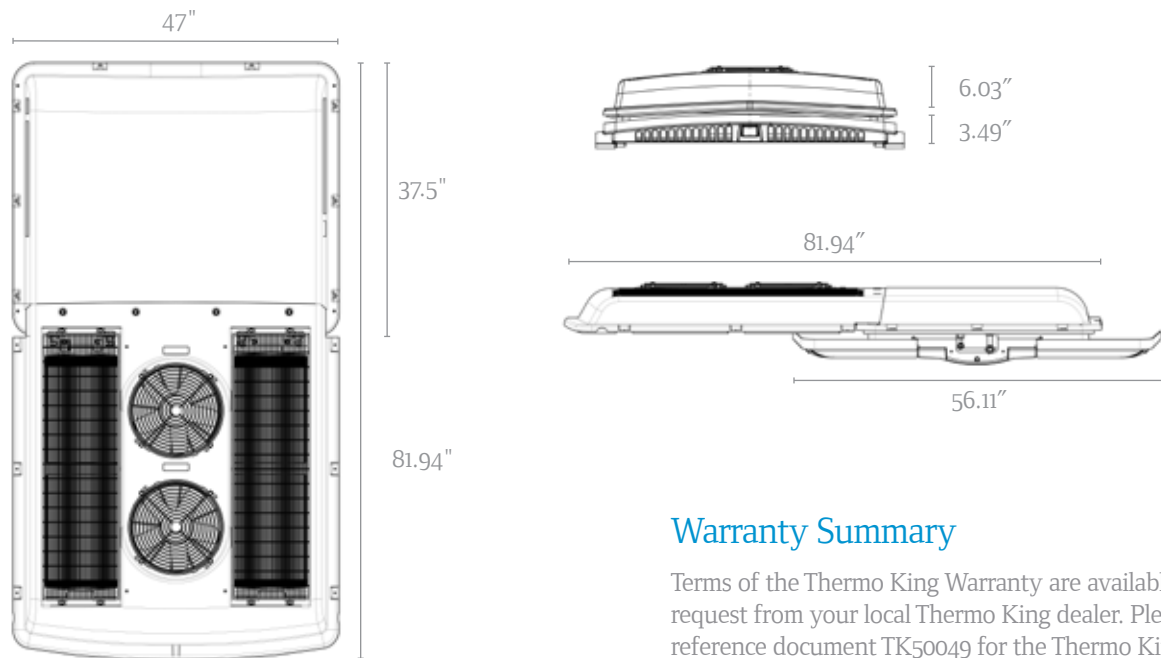
Enjoy the support of the  
Thermo King Dealer Network.

Over 200 factory-authorized service centers nationwide-  
**find one nearby at [www.thermoking.com](http://www.thermoking.com)**



# SLR Specifications


|   |                             |            |
|---|-----------------------------|------------|
| <b>System Cooling Capacity (IMACA Rated Capacities)</b>   |                             |            |
|   | SLR 65                      | SLR 75     |
| BTU/hr (w/TM-21 Compressor)   | 66,000                      | 75,000     |
| <b>System Heating Capacity (Rated Capacities - 195 °F 50/50 glycol, 3.0 GPM, 60° F inlet air)</b> |                             |            |
| BTU/hr  | 42,000                      | n/a        |
| <b>Evaporator Airflow (0 in. water column external static pressure)</b>                           |                             |            |
| High Speed  | 940 CFM                     | 900 CFM    |
| <b>Refrigerant</b>  |                             |            |
|   | HFC R-134a                  | HFC R-134a |
| <b>Power Consumption @ 13.5 VDC</b>   |                             |            |
|   | 65 Amps                     | 65 Amps    |
| <b>Weight</b>   |                             |            |
|   | 124 lbs (130 lbs with heat) | 131 lbs    |
| <b>Compressor Weight With Clutch (approximate)</b>  |                             |            |
| TM 16   | 18 lbs (8.2 kg)             |            |
| TM 21   | 19 lbs (8.6 kg)             |            |
| TM 31   | 36 lbs (16.3 kg)            |            |



## Warranty Summary

Terms of the Thermo King Warranty are available on request from your local Thermo King dealer. Please reference document TK50049 for the Thermo King Bus Unit Warranty.

## Meets "Buy America" Guidelines

Thermo King is  the Environmental Leader

Thermo King offers industry-leading products and solutions that enable businesses around the world to reduce energy

consumption and costs and decrease harmful environmental emissions.



Ingersoll Rand's Climate Solutions sector delivers energy-efficient HVACR solutions for customers globally. Its world class brands include Hussmann, a manufacturer of refrigeration and food merchandising solutions, Thermo King, the leader in transport temperature control and Trane, a provider of energy efficient heating, ventilating and air conditioning systems, building and contracting services, parts support and advanced controls for commercial buildings and homes.

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