



# *HVAC units for Driver Cabins*


*Proven performance, high reliability and low life cycle cost*

*Air Conditioning for Drivers*



- *Standard off the shelf unit & customized to fit the applications*
- *Self contained, hermetically sealed units*
- *Complete capacity range*
- *Proven performance, high reliability and easy maintenance*
- *Low life cycle cost*





*Travelling in air-conditioned, perfectly temperature controlled trains, tramways and metros is key to the travel comfort of today's passengers and drivers.*

*The heating, ventilation and air-conditioning solutions for rail vehicles from Thermo King are highly reliable and deliver top performance while reducing operating costs. The units can be installed on both new and refurbished railvehicles.*

*Excellent quality service and maintenance support in every corner of the world is ensured by Thermo King's second-to-none, global dealership network.*

*Since 1938 Thermo King has been a leader in climate control solutions. Through a culture of constant improvement and innovation we strive to provide total customer satisfaction in everything we do.*



RAC LR2



RAC 40/60

# Specifications

<b>Specifications</b>		Roof mounted units Tramways, commuter trains, coaches, metros
<b>PERFORMANCE</b>		
Cooling capacity	2.5 – 6.4 kW	
Heating capacity	up to 5 kW	
Total air flow rate	500 – 800 m <sup>3</sup> /h	
Fresh air flow rate	up to 100 m <sup>3</sup> /h	
Operating temperature	-30 to +70 °C	
<b>POWER SUPPLY</b>		
Unit power supply	3 x 400 V, 50 Hz • 3 x 460/480 V, 60 Hz	
Heater power supply	AC ; see Unit power supply • DC 600 V or 750 V	
<b>CONTROL</b>		
Control voltage	24 to 110 V	
Communication	CAN Open, MVB or Ethernet	
Control of external heaters	Yes	
Temperature and humidity control	Yes, by microprocessor	
Air distribution control by dampers	Yes, by fresh, return and supply air dampers	
<b>REFRIGERANT</b>		
Refrigerant circuit	Hermetic	
Refrigerant	R-134a or R-407C	
<b>NORMS &amp; REGULATIONS</b>		
Shock and vibration	IEC 61373	
Fire and smoke	NF F 16-101, 102 and 103 • DIN 5510 • NFPA 130	
EMC	EN 50121-3-2	
Electronic components	EN 50155	
Reliability	EN 50126	
Air filters	G2 to G4 per EN 779	
Comfort inside driver's cab	EN 14813 - UIC 651	
Unit housing	Stainless steel - aluminum	
Software	IEC 61131	
Inverter duty	Yes	

Specifications are subject to change without notice.



Ingersoll Rand Climate Control Technologies provides equipment and services for:

## HEATING, VENTILATION & AIR CONDITIONING



Rail



Bus

## TRANSPORT REFRIGERATION



Road Cargo



Air Cargo



Sea Cargo

## STATIONARY REFRIGERATION



Commercial Applications



Industrial Applications



**Ingersoll Rand**

*Climate Control Technologies*

Providing equipment and services to manage controlled-temperature environments for Bus and Rail passengers, food and other perishables, our Climate Control Technologies sector encompasses both transport and stationary refrigeration solutions. Our product brands include Thermo King®, a world leader in transport temperature control systems, and Hussmann®, a manufacturer of refrigeration and food merchandising equipment.

[www.thermoking.com](http://www.thermoking.com)    [www.hussmann.com](http://www.hussmann.com)    [www.ingersollrand.com](http://www.ingersollrand.com)

For further information please contact: