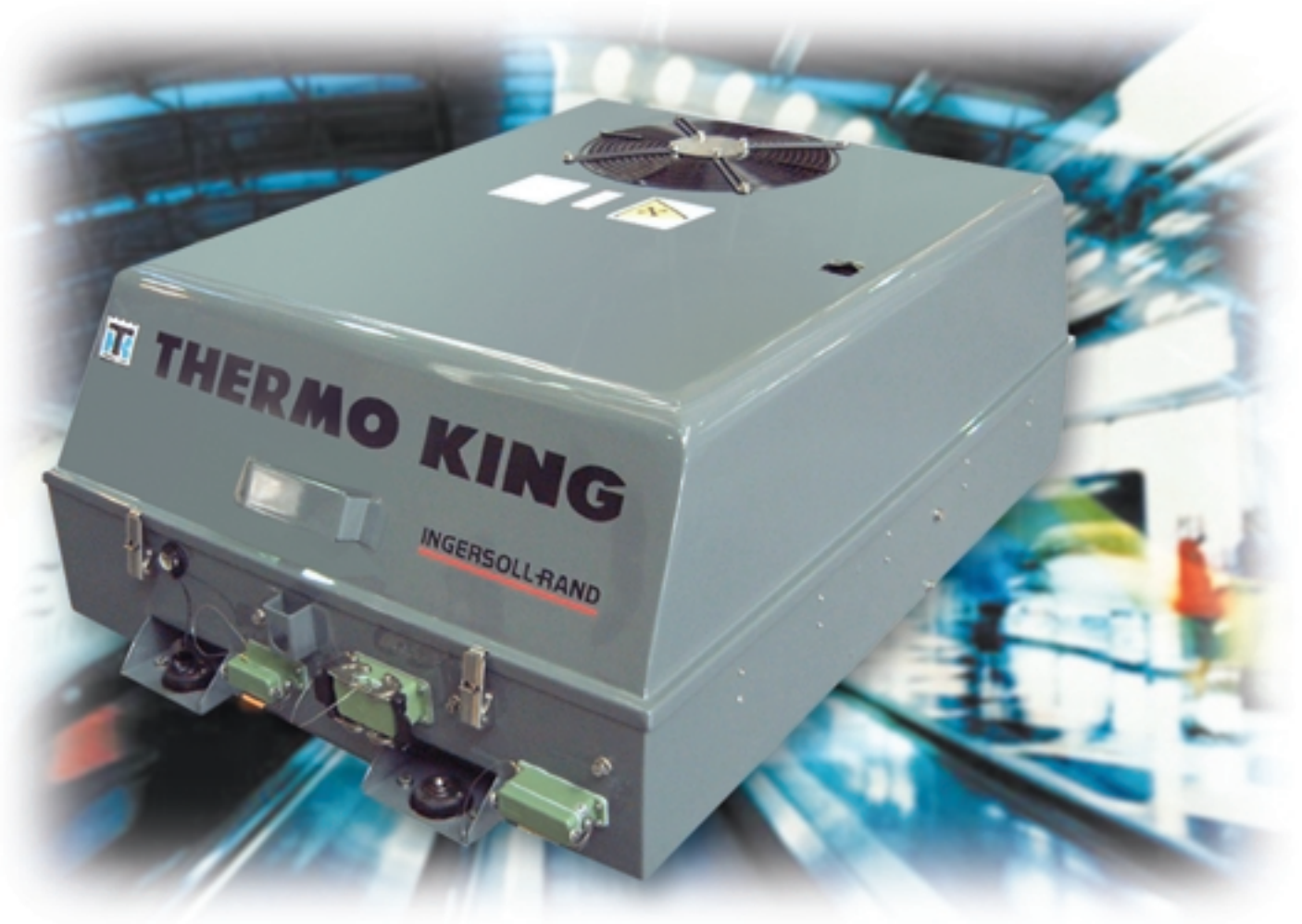




RAC Driver's Cab HVAC

The new lightweight Solution
for driver's cab HVAC.



- Modularity
- Reliability
- Compliant Scroll Compressors
- Refrigerant (R-407C / R-134a)
- Advanced Corrosion Protection
 - Frame – made of stainless steel*
 - Cover – made of aluminium – to reach minimum weight*
- Fully Hermetic System
- Microprocessor-based Temperature Control
- Design Flexibility – customer's options
- Light Weight
- Easy to install



Electric option

MAIN POWER

- 230 VAC, 60 HZ, 1 Phase
- 400 VAC, 50 HZ, 3 Phase
- 460 VAC, 60 HZ, 3 Phase

CONTROL VOLTAGE

- 24 VDC as standard
- up to 110 VDC as an option

Temperature control

MICROPROCESSOR BASED

- System control
- Fault monitoring
- Diagnostics
- Independent settings of setpoints

ClimaAire

- Microprocessor based controller made by TK
- Specially designed controller for small and middle sized HVAC equipment
- Simple operation with four working modes: vent, cool, heat and auto
- System monitoring provides an alarm and/or shutdown when problem occurs
- Alarm LED diode for displaying system occurrence



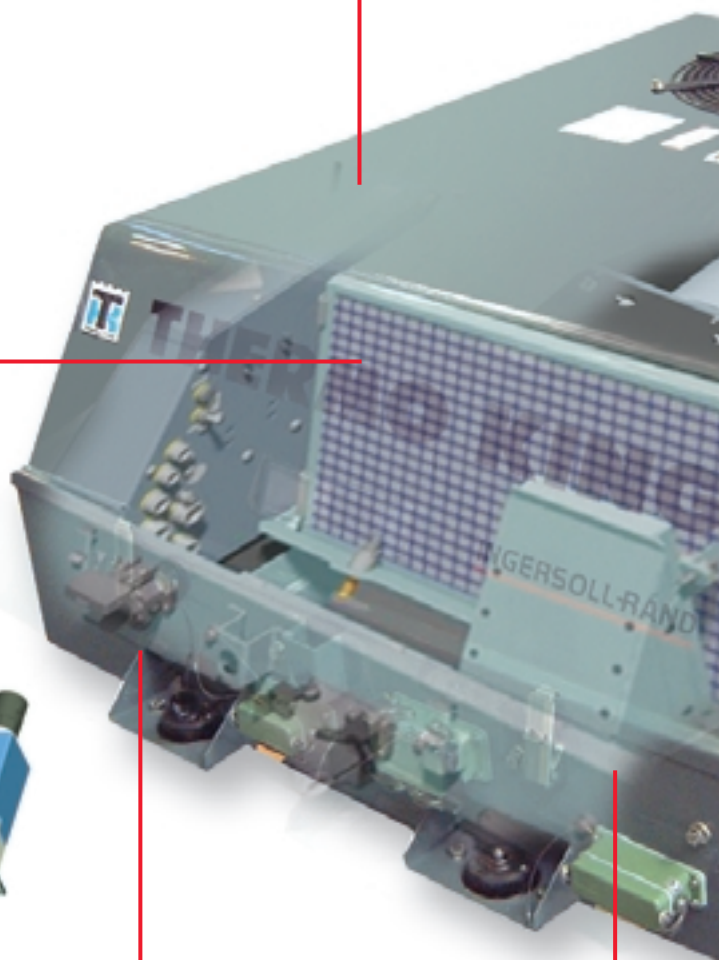
Fluid option

R-407C

- Suitable for many applications
- Applicable to the ambient temperature up to 49°C

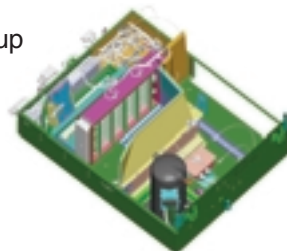
R-134a

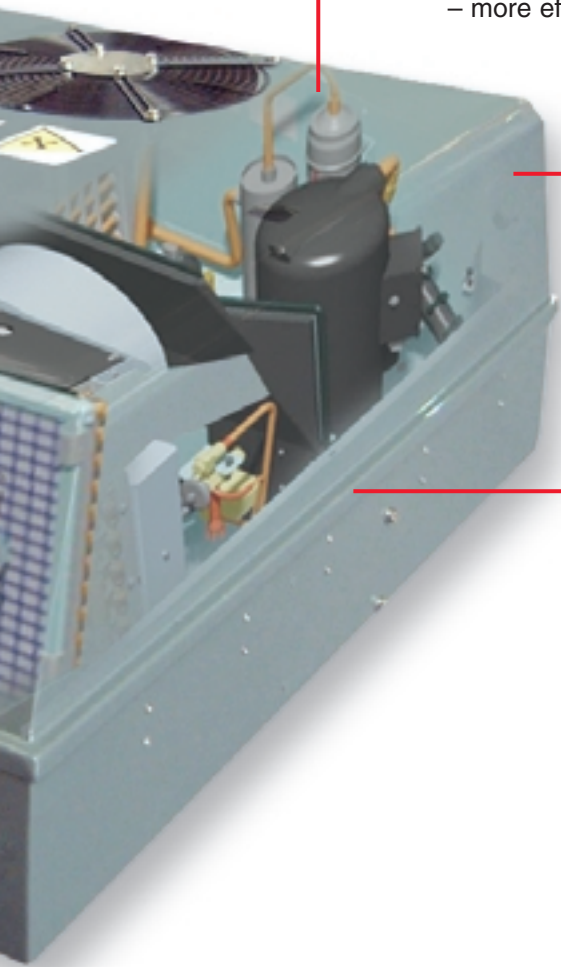
- For special purpose
- Applicable to the ambient temperature up to 58°C with cut down cool capacity



Heater option

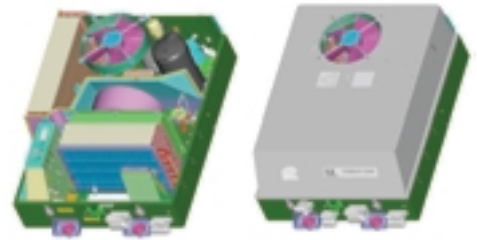
- Unit can be delivered with/without heater
- Special design for rail
- Stainless steel frame
- Heating capacity from 2 up to 5 kW
- Three stage overheating protection





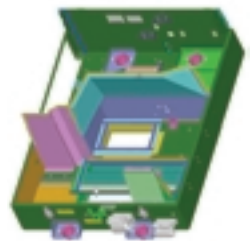
Cover option

- Cover with standard fan (diameter 300 mm)
– suitable for most applications
- Cover with bigger fan (diameter 315 mm)
– more efficient, for special purposes



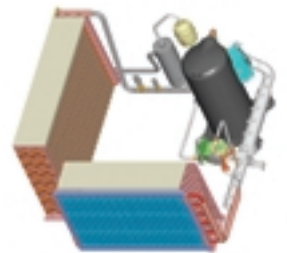
Frame

- Advanced corrosion protection
- Design flexibility
- Long life
- Isolators reducing vibration transmission to car structure



Refrigerant circuit

- Intergrooved copper tubes
- Aluminium fins
- Acrylic resin coated
- Fully hermetic scroll compressors
- Vibration eliminators to minimize noise and vibration transmission to frame



RAC Driver's Cab HVAC Specifications

DIAGNOSTICS

- Startup/Update
- Recording Mode/Real-Time
- Operating Modes/Independent Outputs
- Fault Features/Help Menu
- Capture Fault Data
- Run Time/Date-Time/Set Point
- Set Analog Parameter
- Read Analog Parameters
- Four Password Levels

SAFETY DEVICES

- Internal Check Valve on Compressor
- Circuit Breakers and Overload Contactors
- Current Transformer
- High and Low Pressure Switches
- Refrigerant Relief Valve
- Heater High Temperature Switches
- Software and Hardware Interlock
- Evaporator Cover Limit Switches
- Heater CB fitted w/Voltage Trip Coils

DIMENSIONS millimeters (inches)



CHARACTERISTICS OF CAB UNIT

		RAC4	RAC5.5
Weight	kg	130	140
Evap. Fresh Air flow	m ³ /h	0 - 150	0 - 150
Evap. Air flow total	m ³ /h	800	800
Cooling capacity	kW	4	5.5
Heating capacity	kW	0 - 5	0 - 5
Controller		Micro processor based	

FRESH AND RETURN AIR FILTERS

- Interchangeable from the roof
- Interchangeable from inside the driver's cab

Worldwide Service Organization

Thermo King backs its equipment and customers with a highly-trained, worldwide service organization. This assures you the support of factory authorized service facilities and a stock of factory parts and factory trained mechanics.

Warranty Summary

Terms of the Thermo King Limited Express Warranty are available upon request from your local Thermo King dealer. Please reference document TK 50049 for North America, TK 51800, TK 51801, or TK 51802, for International.

Basic unit is warranted to be free from defects in material and workmanship. Warranty covers parts and labor only.

Manufacturer is not responsible and will not be held liable in contract or tort (including negligence) for any special, indirect or consequential damages including, but not limited to, injury or damage caused to vehicles, contents or persons, by reason of the installation or use of any Thermo King product or its mechanical failure.

Specifications are subject to change without notice.



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