



TRANE

Voyager™

12½ to 25 Ton Light Commercial Packaged Units with ReliaTel™ Microprocessor Controls



July 2007

RT-SLB009-EN

Voyager...Designed and built to provide our customers the ultimate in comfort



Trane Voyager 12½ to 25 ton units are built to provide not only ultimate indoor comfort, but also comfort in knowing that our packaged units are easy to install and maintain. Voyager units have the highest standards in quality and reliability, ease of service, performance and comfort.

Quality and Reliability

- Scroll Compressors - Designed specifically to ensure outstanding system operation.
- Sloped Condensate Drain Pans - Helps ensure proper drainage to prevent water accumulation and provides an easy to clean surface.
- Drum and Tube Heat Exchanger - Utilizes aluminized and stainless steel components and industry proven drum and tube technology for maximum durability.
- ReliaTel Micro Controller - Designed with two thoughts in mind - reliability and comfort.
- Strict Standards in Testing - All models are subjected to rigorous and widely varied factory testing before being shipped to the job-site.



Indoor Air Quality

The air we breathe is especially important when choosing a system. Properly conditioned indoor air goes beyond quality to encompass health and safety of facility occupants. Voyager is built with superior indoor air quality in mind:

- Dual-sloped drain pan for better drainage and prevention of microbial growth
- Dehumidification/Hot gas reheat option
- Foil-faced insulation
- Demand ventilation capability
- Ventilation override sequence (Exhaust, purge, pressurization)
- 2-inch pleated media filters
- Clogged filter switch
- Optional smoke detectors
- Outside air hood options



Superior Performance and Application Flexibility

Voyager units are designed to meet the toughest job standards and to handle the most complex applications.

- High Efficiency Units - Electric and Gas Heat models with efficiency ratings up to 11.5 EER and Thermal Expansion Valves available for improved operating performance.
- Factory Installed Options (FIOPs) - Eliminates time-consuming accessory field installation.
- Roof Curbs - Select from two curbs for the entire Voyager line selection.
- Multiple System Compatibility - Voyager is compatible with constant volume (CV), changeover variable air volume (VAV), and standalone Integrated Comfort Systems (ICS).





- A Hinged Access Doors**
- B ReliaTel™ Microprocessor Controls**
- C Trane Communications Interface™ (TCI) allows communication with Integrated Comfort™ System (ICS) software**
- D Colored and Numbered Wiring**
- E Single Side Service**
- F Scroll Compressors (R-22/R-410A)**
- G High and Low Pressure Switches**
- H Low Ambient Cooling to Zero °F**
- I Foil-Faced Insulation**
- J Quick Adjust Idler Pulley**
- K Available in R-22 & R-410A refrigerant**

Factory Installed Options:

- 2" Pleated Filters
- Stainless Steel Heat Exchanger with 10 year warranty
- Black Epoxy Pre-Coated Coils
- Supply and/or Return Air Smoke Detector
- Dehumidification Option
- Thermal Expansion Valve
- Through the Base Electrical
- High Efficiency Motors
- Hinged Access Doors
- Through the Base Electrical with Circuit Breaker or Disconnect Switch
- Novar Return Air Sensor
- Through the Base Electrical with Disconnect Switch
- Novar Unit Controls
- Fan Failure Switch
- Powered or Unpowered Convenience Outlet
- Clogged Filter Switch
- LonTalk® Communications Interface
- Electric Heaters

Refrigerant	Tons				
	12.5	15	17.5	20	25
	EER				
R-22	11.3	11.5	11	10.6	10.4
R-410A	11	11	11	10.2	10

Integrated Comfort Systems Total Comfort, Total Control



Integrated Comfort™ Systems (ICS)

Tracker™ — Tracker communicates with Voyager and VariTrac, creating a total Integrated Comfort System. Tracker software provides scheduling, monitoring and timed override capabilities, as well as local and auto dial-out indication of alarms.

VariTrac™ — VariTrac is an electronic control system that carefully monitors and maintains the temperature of every comfort zone, eliminating varying temperatures throughout a building.

Tracer™ — The Tracer Integrated Comfort System, when coupled with Voyager, provides the ultimate in centralized control, monitoring, energy management and equipment diagnostic functions. Tracer provides the ability to monitor and control the operation of each rooftop unit and coordinate their operation with other HVAC equipment.

ICS Status Points

(Assuming economizer with comparative enthalpy)

- Unit status
- Cooling and heating setpoint
- Zone temperature

- Supply fan on/off
- Compressor status
- Heat status
- Condenser fan status
- Exhaust fan on/off
- Minimum damper positions (adjustable)
- Current damper position
- Outside air temperature
- Return air temperature
- Supply air temperature
- Relative humidity

ICS Alarm Messages

- Zone temperature sensor failure
- High temperature input open
- Heat failure limit open
- Outdoor air sensor failure
- Supply air sensor failure
- Return air sensor failure
- Humidity sensor failure – both outside and return
- Local cool/heat setpoint failure
- Minimum position potentiometer failure
- Defrost control failure
- Compressor lockout
- Clogged filter
- Supply fan failure



Trane
A business of American Standard Companies
www.trane.com

For more information contact your local sales office or e-mail us at comfort@trane.com

Literature Order Number	RT-SLB009-EN
Date	July 2007
Supersedes	RT-SLB009-EN (September 2005)

Trane has a policy of continuous product and product data improvement and reserves the right to change design and specifications without notice.