

Voyager™

12½- to 25- ton light commercial packaged units with ReliaTel™ microprocessor controls



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



Voyager is one of the most complete lines of packaged units on the market today

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
- **Microchannel Condenser Coils**—Reduce refrigerant charge which leads to better compressor reliability. Strong aluminum brazed structure provides better fin protection and minimizes galvanic corrosion

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 MERV 7 or MERV 13 media filters
- Clogged filter switch
- Smoke detectors
- Outside air options

Superior performance and application flexibility

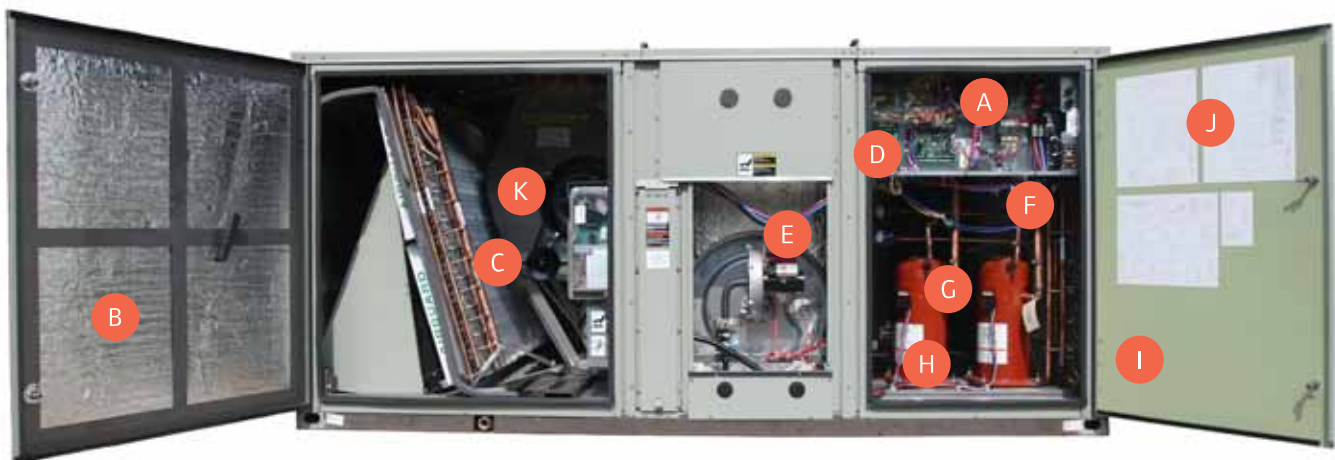
Voyager units are designed to meet the toughest job standards and to handle the most complex applications.

- **High Efficiency Units**—Electric and Gas Heat models with efficiency ratings up to 12.0 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), variable air volume (VAV), and standalone Integrated Comfort Systems (ICS)

Factory-installed options

- 2" MERV 7 or MERV 13 filters
- BACnet™ Communications Interface (BCI)
- Barometric relief
- Black epoxy pre-coated coils
- Clogged filter switch
- Complete Coat™ Microchannel condenser coils
- Dehumidification option

- Differential pressure switch
- Discharge air sensing kit
- Economizer (comparative enthalpy/dry bulb/reference enthalpy)
- Electric heaters
- Froststat™
- Fan failure switch
- High efficiency motors
- Hinged access doors
- LonTalk® Communications Interface (LCI)
- Modulating gas heat furnace with 5:1 turndown ratio
- Multi-speed fan
- Novar return air sensor
- Novar unit controls
- Oversized motors
- Powered or unpowered convenience outlet
- Single Zone Variable Air Volume (SZ VAV)
- Stainless steel heat exchanger with ten-year warranty
- Supply and/or return air smoke detector
- Thermal expansion valve (TXV)
- Through-the-base electrical
- Through-the-base electrical with circuit breaker or disconnect switch
- Through-the base gas
- Tool-less hail guard
- Trane® Communication Interface (TCI)



A Communications Interface (BCI, LCI, TCI) allows communication with Integrated Comfort™ System (ICS)

B Foil-faced insulation

C Quick adjust idler pulley

D ReliaTel™ microprocessor controls

E Colored and numbered wiring

F Low ambient cooling to 0°F

G High- and low-pressure switches

H Scroll compressors

I Hinged access doors

J Single side service

K Variable frequency drive (Multi-speed fan & SZ VAV)

Integrated Comfort Systems

total comfort, total control



ICS Status Points

(Assuming economizer with comparative enthalpy)

Unit status
Cooling and heating setpoint
Zone temperature
Supply fan on/off
Compressor status
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

Integrated Comfort™ Systems (ICS)

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

Tracer™ System — The Tracer building automation system (BAS) provides a single, integrated system to control a building's climate, lighting, schedule, energy consumption and much more. Key features include:

- Web-based interface allowing access from any internet connection
- Scalability to grow and expand with your business
- Open standard protocol support including BACnet™ and LonTalk™
- Simple, easy-to-use operator screens
- Pre-engineered content to deliver energy savings and ease of operation over the life of the system

When added to a Voyager™ unit, it provides the ability to monitor and control the operation of each rooftop unit and coordinate their operation with other HVAC equipment.

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