

Packaged Light Commercial Gas Heat/Electric Cooling, Electric Heat & Cooling and Heat Pump Package Units (3-25 Tons)

Trane's Voyager™ is one of the most complete lines of packaged heating and cooling units on the market today. Contractors and engineers helped us design advanced yet simple packaged units. The Voyager line takes a step into the future with the Micro™, the first microprocessor-based control system for the light commercial market.

Contractors wanted a unit that would save them money and help them win more jobs. Engineers wanted a unit that would meet their design criteria for quality, reliability, performance and special applications. And Voyager delivers.

Quality and Reliability

Building a better packaged unit means knowing what to put in--and what to leave out. So when we designed the Voyager, we left in the tried and true components and left out those parts and components that cause failures and require service. In fact, Voyager units have as many as 42 percent fewer parts. Fewer screws, brackets and moving parts can directly improve reliability and make maintenance and service simpler and less expensive.

For the installing contractor, these improvements help reduce warranty callbacks and save money because of fewer service trips to the jobsite. Here are some of the features which give Voyager its reputation for quality and reliability:

- 1. Trane-built Climatuff™ Model H and 3-D™ scroll compressors.** The dual compressors in the 7-1/2 to 25 ton units provide system backup. Designs are tested in the System Extreme Environmental Test (SEET) facility in Tyler, Texas. Five years of operation are simulated in a 16-week test.
- 2. New Micro Controls** improve quality and reliability through the use of time-tested microprocessor controls and logic. Micro prevents the unit from short-cycling thus extending compressor life, and reduces the number of necessary components to reduce the possibility of component failure.
- 3. Drum and Tube Heat Exchanger** for increased efficiency and reliability. The exchanger uses the same technology used in large commercial units for the past 20 years, and is manufactured using aluminized steel with stainless steel components for maximum durability. The heat exchanger also features a negative pressure gas valve, a single stainless steel burner screen and a hot surface ignition device which provides added safety by continuously testing to prove the flame.
- 4. Weathertight Tops and Cabinets** for all units are designed for outstanding water integrity. Panels reduce the number of possible water

entry points and a special lip design eliminates the possibility of water carry-through into the ductwork of downflow units.

5. Strict Standards in Testing at the factory, not on the customers. Fan and idler arm are tested to over 300,000 cycles. A 100 percent coil leak test is performed at the factory. All parts are inspected at the assembly point and each unit receives a run test before leaving the factory.

Easy to Install

Ease of installation is important for contractors. It means less time on the job and lower installed costs. Voyager conversionless units provide many time and money-saving features to meet these needs.

- 1. Dedicated design units** do not require panel removal or alteration time to convert in the field--a major cost savings. Horizontal units come complete with duct flanges.
- 2. New Micro control** eliminates the need for field-installed anti-short-cycle timer and time delay relays.
- 3. Improved airflow** with U-shaped design allows for improved static capabilities. The need for high static motor conversion is almost non-existent, saving time and money.
- 4. Single-side access** allows simplified service with removal of three or fewer screws.
- 5. Easy-access low voltage terminal board** is external to the electrical control cabinet.
- 6. New quick-adjust idler arm assembly** provides quick adjustment for belt or motor sheaves. A new design is used for 8-1/2 to 25 ton units.
- 7. Single point power** connection to all Voyager units 3 to 25 tons.

Serviceability

Today's owners are more conscious of the cost of service and maintenance. Trane has designed a unit that will get the service technician off the job quicker, thereby saving the owner money. Here's how Voyager can save money in service.

- 1. Simple design** with up to 42 percent fewer parts than previous models.
- 2. New Micro control** requires no special tools to run the Voyager unit through test sequences.
- 3. Standardized components** in the same place for all Voyager units. Training is simplified.

- 4. Single-side service** is standard on all Voyager 3-25 ton units.
- 5. Easy-access panels** allow access to all components by simple removal of panels.
- 6. Colored and numbered wiring** provides an enormous time savings in tracing wires and diagnosing the unit.
- 7. Quick-adjust idler arm** on all 8-1/2 to 25 ton units does not require moving the mounted fan motor, meaning a major savings in time and money.

High Performance and Application Flexibility

Voyager was designed to meet even the toughest job standards. In fact, it was built using input from consulting engineers, engineers that wanted a unit that would perform up to their most rigorous standards in a variety of applications. In addition they wanted a unit that would live up to their customers' expectations after they gave it their stamp of approval. Voyager performs up to that standard.