



# Voyager DC

15- to 60 ton hybrid packaged rooftop units

[www.Trane.com](http://www.Trane.com)

# Voyager DC...built to provide high efficiency cooling in hot dry climates



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

Trane Voyager is built to provide the ultimate indoor comfort. Voyager units have the highest standards in quality, reliability, ease of service, performance, and comfort. With the DualCool™ option the Voyager DC hybrid saves more than 40% on electrical energy and demand compared to standard rooftop units.

### Quality and Efficiency

- **High Efficiency** – Performance greater than 20 EER equivalent at full capacity. Part load efficiency greater than 30 EER equivalent.
- **Evaporative Condenser Air Cooling** – Reduces load on compressor and improves mechanical efficiency.
- **Indirect Evaporative Ventilation Air Cooling** – Extends “Free Cooling” economizer operation. Cools space without added moisture.
- **High Quality Evaporative Pre Cooler**– Uses stainless steel construction, and anti-microbial edge-coated rigid evaporative media.
- **Submersible Sump Pump** – Built to high reliability standards, non-corroding stainless steel and polymer components.
- **Condensate Capture** – Condensate is recycled for indirect evaporative cooling.
- **UC Controller** – DDC capabilities, and DualCool™ customized sequence of operations.
- **ECM Condenser Fan Motors** – Very high motor efficiency, and variable speed operation for indirect evaporative cooling mode.
- **Scroll Compressors** – Designed specifically to ensure outstanding system operation. Staged to provide efficient part capacity performance.

- **Strict Standards in Testing** – All models are subjected to rigorous factory testing before being shipped to the job site.
- **Microchannel Condenser Coils** – Higher heat exchange efficiency. Strong aluminum brazed structure provides better fin protection and minimizes galvanic corrosion.
- **Ease of Maintenance** – Designed to minimize maintenance and service requirements.

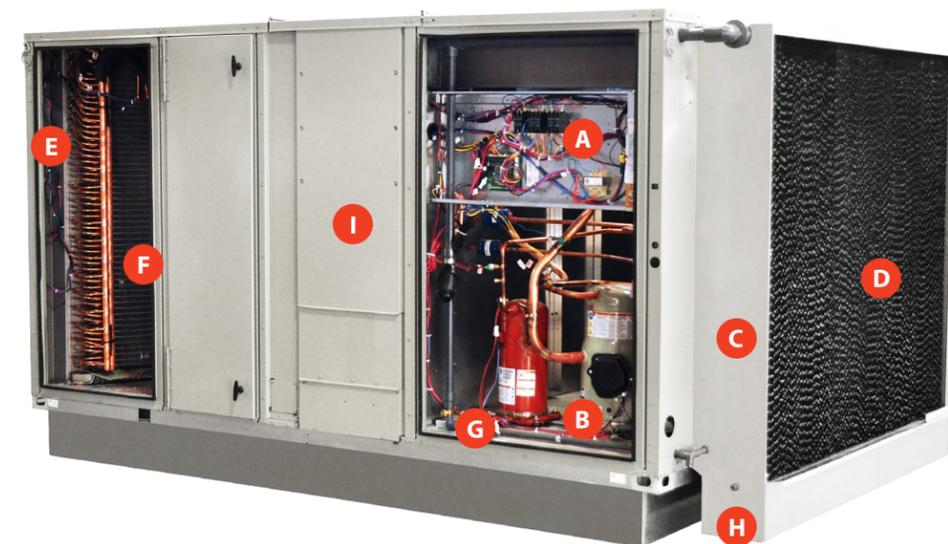
### Indoor Air Quality

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 DC is built with superior indoor air quality in mind:

- Indirect evaporative cooling adds no moisture to indoor air
- DualCool™ extends the number of 100% fresh air operating hours
- Dual –sloped drain pan for better drainage and prevention of microbial growth
- 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

### Application Flexibility & Factory-Installed Options

- Constant volume (CV), variable air volume (VAV), and standalone Integrated Comfort Systems (ICS)
- 2” MERV7 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
- Electric heaters
- Frostat™
- Fan failure switch
- High efficiency motors
- Hinged access doors
- LonTalk Communications Interface (LCI)
- Modulating gas heat furnace with 5:1 turn-down ratio
- Novar return air sensor
- Novar unit controls
- Oversized motors
- Powered or unpowered convenience outlet
- Stainless steel heat exchanger with ten-year warranty
- Supply and/or return air smoke detector
- Thermal expansion valve
- 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 & controller allows DDC integration and custom sequence of operations
- B** 2 scroll compressors
- C** Stainless steel construction for evaporative cooler

- D** Rigid evaporative media
- E** Water coil cools ventilation air
- F** Diagonally mounted DX coil maximizes heat transfer area

- G** Field adjustable bleed rate to manage hard water deposits
- H** Make up water from grid
- I** Blower and optional heat section