Light commercial rooftop units

Education applications
Our light commercial rooftop units offer more and cost you less.

When deciding which rooftop unit is best for your building, remember that the initial purchase is only part of the equation.

You’ll save in every aspect of your budget when you choose Trane.

The superior engineering of our Precedent™ and Voyager™ Light Commercial rooftop units delivers high reliability, easier installation, less maintenance, reduced operating costs and less upfront expense.

In short, a lower total cost of ownership.

Easy on your budget

Trane Precedent and Voyager Light Commercial units offer superior engineering while delivering high efficiency air conditioning for new construction as well as replacement installations and retrofits. Unit efficiency surpasses EER minimum by 12%.

Precedent high-efficiency rooftop units are 15% more efficient than typical packaged equipment. Energy efficiency can be increased by adding Trane controls, installation, maintenance and Service Level Agreements.

Trane offers:

- Lower supply fan energy costs—a savings of 7-10%—when the unit operates in continuous fan operation mode.
- Three stages of cooling on high efficiency, dual-compressor units for more precise temperature control, helping save money all year.
- Industry-leading IEER, helping to stretch an energy budget and provide quicker payback on investment.

Easy to install

These compact rooftop units fit into the same roofcurb as current models, reducing installation time and costs. Preconfigured units come with factory-installed options to eliminate expensive and time-consuming accessory field installations.

Easy on the roof

Models within the Precedent and Voyager Light Commercial lines are as much as 46% lighter than comparable units.

Easy to maintain

Trane Precedent and Voyager Light Commercial rooftop units offer easy access to filters,
compressors and controls through single-side access doors.

- No belts. Precedent high efficiency units feature direct-drive fan motors, reducing maintenance requirements and costs.
- Test mode operation can indicate where potential problems exist, reducing overall service cost.
- Unit designed for easy coil cleaning to eliminate maintenance time, thereby increasing unit efficiency.

**Improved indoor air quality**

MERV 13 high efficiency filtration option reduces the amount of particles in the air and provides better air quality.

- CO₂ controls available to bring in more outside air when occupancy levels are high.
- Hot gas reheat available for humidity control.
- Cleanable dual sloped drain pans to reduce microbial growth.

**Quiet operation**

Select models of Precedent Light Commercial units include an ultra quiet plenum fan, which enables them to meet or exceed rigorous requirements for acoustic standards compliance.

Because of the plenum fan and other sound mitigating design techniques—along with software modeling tools such as the Trane Acoustics Program—these units can provide a cost effective solution for your building and help deliver a quieter environment.

**Right for schools**

Designed primarily for classroom use, the Precedent line offers models in the 3- to 10-ton range, while the Voyager Light Commercial line features rooftop units from 12½ to 25 tons—perfect for lunchrooms, gymnasiums and auditoriums.

Trane Precedent and Voyager Light Commercial rooftop units provide quieter operation and can be configured to comply with rigorous acoustic standards. Studies show when noise levels are reduced, test scores improve.

And because of advanced filtration technology, both lines deliver improved indoor air quality. A healthier learning environment helps reduce absenteeism and improve teacher retention.
Light Commercial Rooftop Unit
Precedent™ (3 - 10 Ton)
Voyager™ (12.5 - 25 Ton)
Lower Cost of Ownership

A MERV 13 Filter
High efficiency filtration allows for delivering improved indoor air quality—a key qualifying component for LEED EQ credit 5.

B Direct-Drive Plenum Fan*
Potential to achieve quieter operating environment. High efficiency, direct-drive fan allows for ease of service and overall lower cost of ownership. Easier start-up time in reducing overall time on the jobsite. No belts means less waste.

C Phase Monitor
Protects unit from phase reversal, loss of phase and voltage imbalance.

D Three Stages of Cooling**
Enhanced comfort through matching cooling load, savings. Allows for increased part load efficiency.

More Efficient Servicing

E Foil-Faced Insulation
Edges captured and sealed, reducing chance for insulation fibers in the airstream. Easy to clean.

F Drain Pan
Non-corrosive, double sloped, reversible condensate drain pan is easy to clean and easy to install.

G Condenser Coil
Patent-pending multi-row condenser coil designed with gaps for easy cleaning.

H Color-Coded, Numbered Wiring
Saves time and money when servicing and diagnosing the unit.

I Hinged Access Doors
Permit easy entry to the unit’s service access areas. Also reduces opportunity for roof damage.

J ReliaTel
Microprocessor Controls
Onboard diagnostics allows for easy startup and trouble shooting.

* Standard on all dual-compressor, high efficiency Precedent units

** Standard on all dual-compressor, high efficiency units
The Plenum Fan: Key to a Quieter Classroom

A standard feature on our dual-compressor, high efficiency Precedent units, the plenum fan offers the quiet, unobtrusive operation you need for an effective learning environment, as well as reduced maintenance costs.

• Backward incline blade design performs at a whisper, allowing for a more efficient indoor sound mitigation plan.
• Fewer blades to clean and maintain.
• High efficiency, variable-speed indoor fan motor:
  – Requires less power, reducing energy costs.
  – Direct-drive motor eliminates maintenance associated with belt replacement and tensioning.
### Specifications

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Give your students—and your managers—a clear view of your school’s energy use.

A valuable addition to your rooftop unit, the Trane Education Green Dashboard provides a real-time, browser-based view of your rooftop unit’s energy use. The dashboard—a pre-engineered, integrated solution for Tracer Summit building control units—includes two versions: an interface designed for teaching kids about energy, and another that provides technical data and tools for facility staff to help you better manage energy in your school.

**For students in grades 4-10:**
- Provides an interactive classroom learning experience and teaches students about smarter energy use
- Supports LEED ID Credit 3: “Building as a Teaching Tool”
- Includes an Energy Audit Game and lab, inter-school energy savings competitions, and calculators to measure dollar savings from various energy conservation measures
- Includes full curriculum guide for both teachers and students

**For facility staff:**
- Helps you monitor energy use by providing real-time and historical information for your school and others in your district
- Provides cost-per-square-foot data
- Tracks usage with costs, giving you a detailed understanding of how energy usage affects your budget
- Includes calculators for determining savings from high efficiency lighting, use of solar energy, various thermostat savings and more

Keep your rooftop unit performing at its peak.

A properly maintained unit—which includes coil cleaning, filter change-outs and routine indoor fan maintenance—will retain its efficiency longer and result in an extended life and lower total cost of ownership. Please contact your local Trane Service Representative for more information.