



Electric Auxiliary Power Units

Emission-Free Comfort

*High Performance
Cab Climate Control*

Multiple Power Options



TRANSICOLD

The QUIET WAY *to be cool*



With industry-leading battery performance, a ComfortPro® electric auxiliary power unit (APU) quietly cools a truck sleeper cab, providing emissions-free driver comfort throughout the night, during breaks and rest periods.

Carrier Transcold provides two unmatched electric APU choices – our original ComfortPro electric APU, powered by four AGM batteries, and our new premium model powered by a pair of high performance lithium ion (Li-ion) batteries that deliver significantly more runtime, with faster charging and longer battery life.

Available options add cab heating, power for hotel loads, shore power connectivity and truck engine preheating, allowing users to customize ComfortPro electric APUs to meet their individual needs.



A NEW FREEDOM *of the road*

The ComfortPro® electric APU provides a special kind of freedom.

As an engineless system, that means total freedom from idling and related noise ... air-conditioned comfort that is free from diesel fuel consumption and related emissions ... all provided by a virtually maintenance-free system.

By tapping energy from the truck's alternator during hauls, the APU's batteries are always charged up when it's time to shut down. And while others may claim to have the longest APU runtimes, only ComfortPro electric models have these advantages:

- **Variable-speed, fully sealed hermetic electric compressor** combined with **exceptionally efficient power management technology** that assures maximum runtimes for the battery type used.
- **Cabin Pre-Cool Lock** that helps extend battery runtime by assuring the preferred cabin temperature is attained before the APU takes over.
- **Independent power plant** that does not tap into and reduce the life of the tractor battery, which could potentially lead to a tractor no-start situation.



LESS an ACCESSORY and more a necessity

Fuel Savings:

Your New Profit Center

The ComfortPro® electric APU maximizes fuel conservation.

Fuel savings and compliance with anti-idling regulations are immediate as soon as the truck engine is shut down and the ComfortPro electric APU is turned on.

Even with an optional cab heater, the system's fuel consumption is only about 0.06 gallons per hour when heating is required.

Reduced Tractor Idling:

Today's Necessity

Curtailing truck engine idling provides benefits beyond fuel savings and emissions reduction. Cutting runtime for the truck engine extends service intervals while reducing wear and tear on the engine.

That means less risk of premature failure of costly truck engine components resulting from excessive idling. Also, using anti-idling technology, such as a ComfortPro APU, may be an important trade-in value consideration.

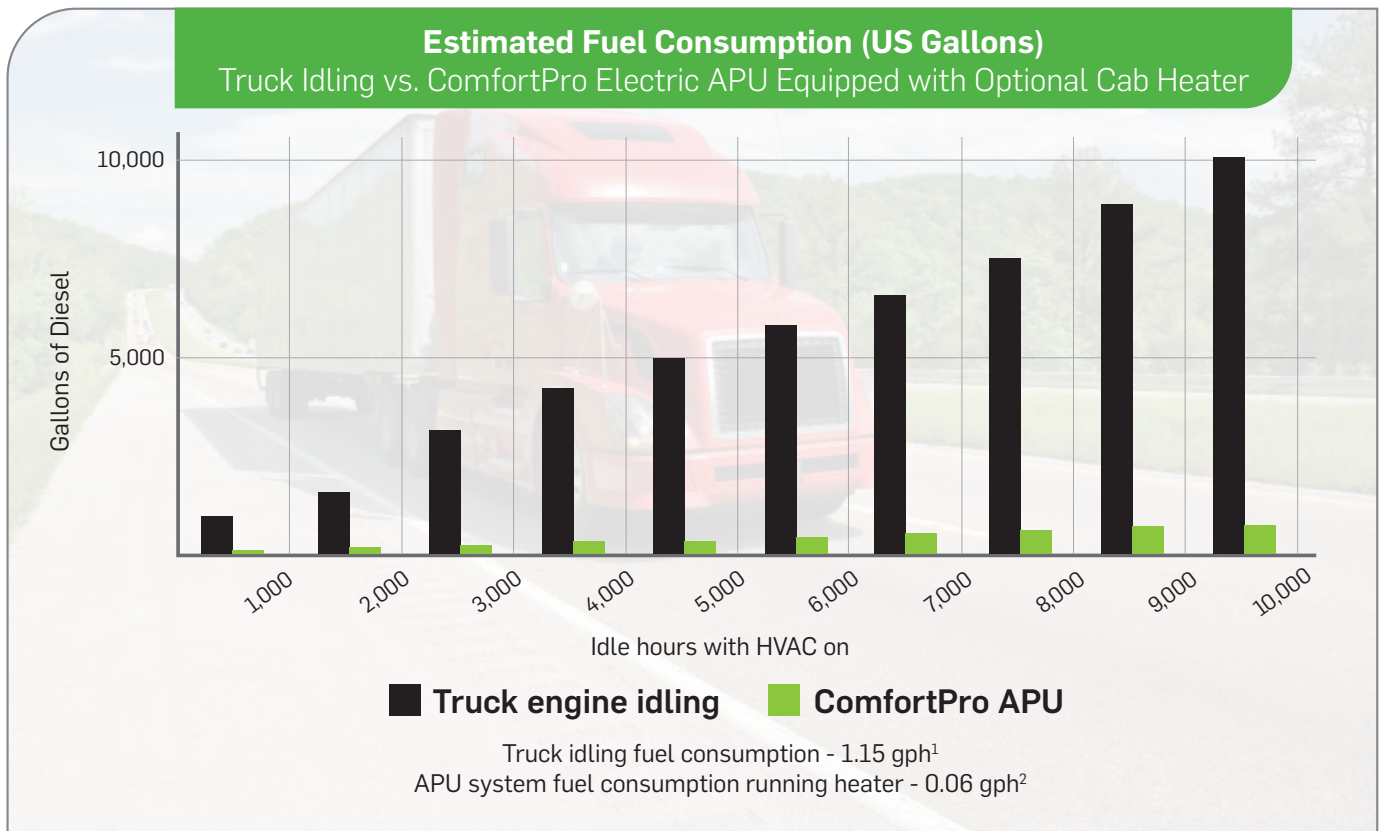
Regulatory Compliance:

A Fine Solution

Consistent use of a ComfortPro electric APU minimizes the risk of costly fines associated with anti-idling regulations.

Engineless electric APUs provide the most environmentally sustainable APU choice, as they emit no particulates, noise or greenhouse gases when used for air conditioning.

The ComfortPro electric APU was designed to meet the requirements of both the California Air Resources Board (CARB) and the other anti-idle and anti-emissions regulations.



1. 2019 NACFE "Confidence Report: Idle-Reduction/Diesel APUS" https://nacfe.org/wp-content/uploads/2019/08/Idle_Reduction_Full_Report_08082918.pdf

2. Fuel consumption will vary based on ambient temperature and tractor cab insulation characteristics.

The POWER of ENDURANCE

with two high-performance choices

ComfortPro® electric APUs are designed to provide sustained air conditioning for superior driver comfort.

NEW

LI-ION BATTERY MODEL (250ION)

Advanced Li-ion batteries designed specifically for APU applications give our premium ComfortPro electric APU the power to deliver continuous air conditioning that extends well beyond what is required for overnight rest breaks and **up to 17 hours*** under certain real-world conditions. It provides the longest runtime of any electric APU, with faster charging and less power degradation over time.

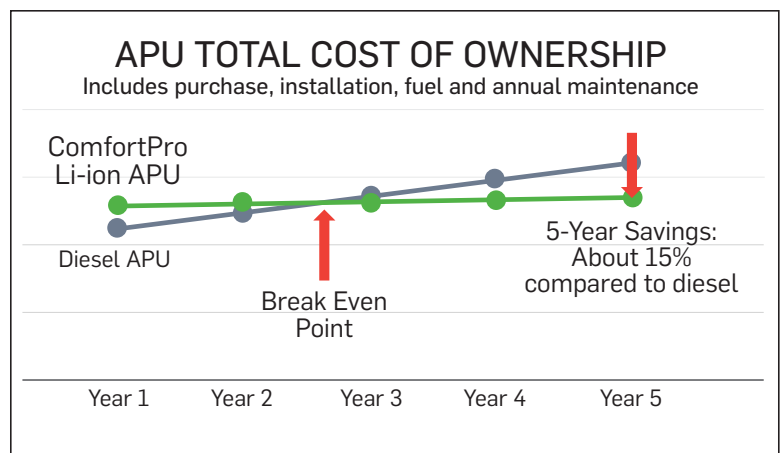
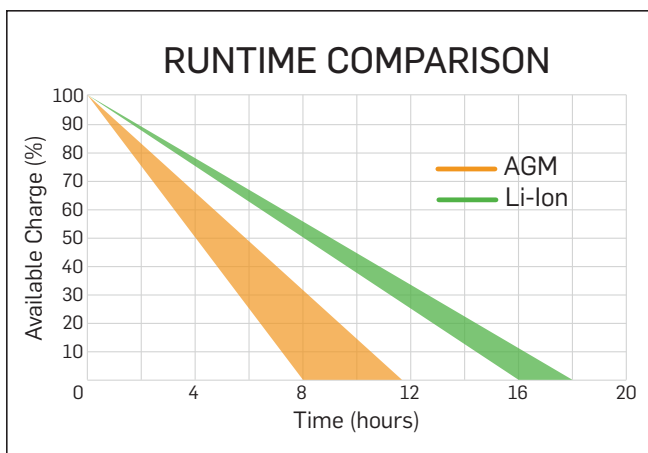
ORIGINAL AGM BATTERY MODEL (240EPS)

Our standard electric APU uses four AGM batteries capable of sustaining air conditioning for **up to 11 hours*** on a charge, one of the longest runtimes in an electric APU using conventional batteries.

A simpler design than typical diesel APU systems and only a few moving parts means there is less to service with a ComfortPro electric APU – no oil changes, no belts to tighten or valves to adjust.

With no engine and the compressor located within the APU, external to the cab, ComfortPro electric APUs are among the quietest systems for driver comfort.

Additional capabilities, such as heating, hotel power and shore-power connectivity, can be easily added. (see page 8).



Based on a model 250ION equipped with a heater option compared to a leading diesel APU over 5 years

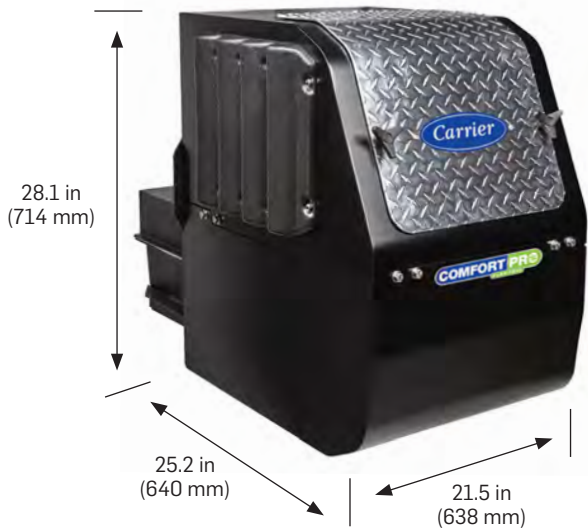
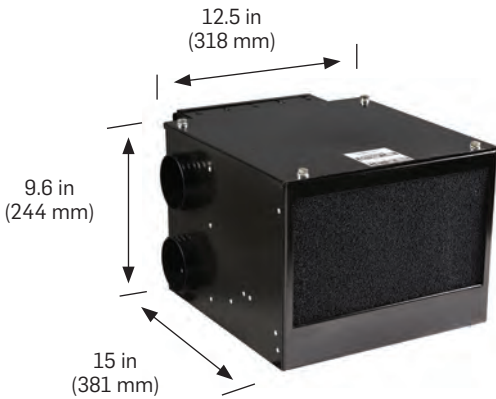
*Variable based on ambient temperatures, average power consumption, solar load and cab insulation.

PERFORMANCE

specifications

Under Bunk Climate Control Unit

Fits easily under studio sleeper bed.



APU Power Plant

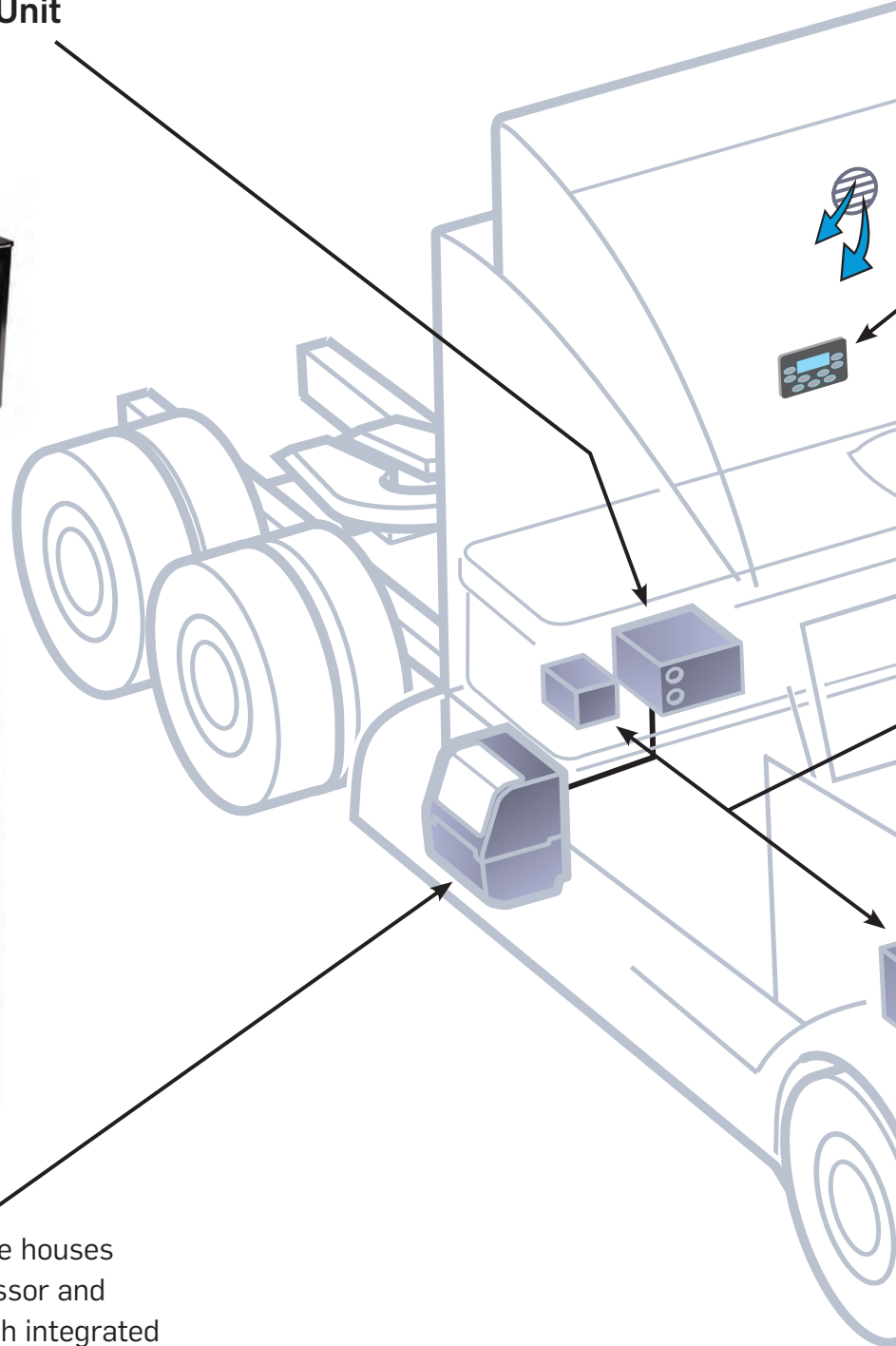
Weatherproof enclosure houses APU batteries, compressor and the condensing unit with integrated filter dryer and fan.



Li-ion battery (250ION)



AGM battery (240EPS)





Programmable User Control Panel

Lockable digital control for air conditioning, heating and fan.

Cab-only Air Heater or Engine-Coolant/Cab Heater

Users can choose either option depending on need.

Alternator

A minimum 240A alternator is required.

APU Power Plant

12V Batteries:

Model 250ION - Two Li-ion batteries (total 550Ah) with five-year warranty

Model 240EPS - Four Group 31 AGM batteries (total 400Ah)

Variable-speed, fully sealed hermetic electric compressor

Condenser unit with maintenance-free fan motor

Weight:

Model 250ION - 347 lbs.

Model 240EPS - 470 lbs.

Under Bunk Climate Control Unit

Airflow: 240 cfm

Air Conditioning: 7,500 BTU/hr

Refrigerant R-134a

Weight: 30 lbs.

Control Panel

Programmable heat and cool

Configurable features:

Energy-saving Cabin Pre-cool Lock

Engine pre-heating (if equipped with optional heater)

APU battery charge monitor

Diagnostics with time stamped and stored fault codes

Downloadable data logs

Accessories & Options

- Cab-only air heater
7,000 BTU/hr - keeps cab warm in colder ambients
- Engine-coolant/Cab heater
17,200 BTU/hr - adds engine pre-heat capability and warms cab
- Inverter for 120 VAC hotel loads
- Shore power adapter - enables the APU to switch over to 110/120-volt household power for operation and battery charging

CUSTOMIZE with powerful **OPTIONS** *to get more from your ComfortPro® APU*

Heating for You, Heating for Your Truck

Two heating options are available. Our 7,000 BTU/hr cab-only heater keeps the cab warm in colder ambients, and our 17,200 BTU/hr heater warms the cab and adds an engine pre-heat capability, enabling easier starts in cold-weather.

Hotel Power

An inverter adds 1.8 kW of high-quality, 120-volt AC power for hotel loads, more output than other battery-based APUs.

Shore Power

When household current or "shore power" is available from an external source at truck stops, service areas or home, the ComfortPro electric APU shore power option can be used. Plugging in eliminates the need to use the APU batteries to run the air conditioning system, and shore power will also top off the APU battery charge.



BENEFITS

in any season



Cooling

Industry-leading battery-powered air conditioning runtimes



Emissions Free

Zero emissions and fuel consumption when in cooling mode



Virtually Maintenance Free

Fewer moving parts reduces maintenance needs



Battery Choices

2x Li-ion batteries (550Ah)
or 4x Group 31 AGM batteries (400Ah)



Battery Monitor

Controls state of charge to maximize battery life



Quiet

Electric system minimizes noise



Reliability

Sealed enclosure to protect APU from road spray, rain and snow



Cab Heating*

7,000 BTU/hr heater



Truck Engine Pre-Heat*

Alternate 17,200 BTU/hr heater eliminates cold starts *and* heats cab



Hotel Power*

Up to 1.8 kW of high quality 120 VAC power



Shore Power*

Unlimited runtime at high output

**Designates option.*

OUR GOAL

providing the best APU



ComfortPro® APUs are proudly manufactured in the United States by a specialized workforce at Carrier Transicold's Athens, Georgia, flagship facility. Our ISO-certified plant uses a variety of advanced manufacturing technologies and processes that are tightly controlled and designed for maximum productivity.

Carrier Transicold's manufacturing philosophy is centered on safety, sustainability, and state-of-the-art technology, with the ultimate goal of delivering the highest-quality product at the best price.

- ISO 9001 and ISO 14001 Process Certification
- OSHA Voluntary Protection Program Star Status
- Automated processes and Lean Manufacturing



TRUSTED

dealer support network

ComfortPro® APUs are available throughout North America, sold and installed exclusively through the customer-focused Carrier Transicold dealer network.

No other network is better trained or better equipped to provide the professional personnel and superior technical support that you depend on to maintain and service your ComfortPro APU.

- 180 locations across North America
- 24/7 service access
- Rigorous factory training for technicians
- Comprehensive critical parts stocking
- Expert service and repairs, bumper-to-bumper, coast-to-coast

Trust Carrier Transicold's dealer network to handle your maintenance and service so you can focus on your customers.





Electric Auxiliary Power Units

Emission-Free Comfort

Quiet, engineless air conditioning

Up to 17 hours of runtime with Li-ion batteries
and up to 11 hours of runtime with AGM batteries

Quick charging

Low maintenance

Customizable capabilities
for heating, power and more

Compatible with shore power



For the latest spec's and details visit carrier.com/comfortpro-electric

Specifications are subject to change without notice.

Warranty: Product warranty and limitations are outlined in Form 62-12074.

This warranty is applicable only in North America. Consult your Carrier Transicold representative for warranty coverage elsewhere. Form 62-12067 Rev B.

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