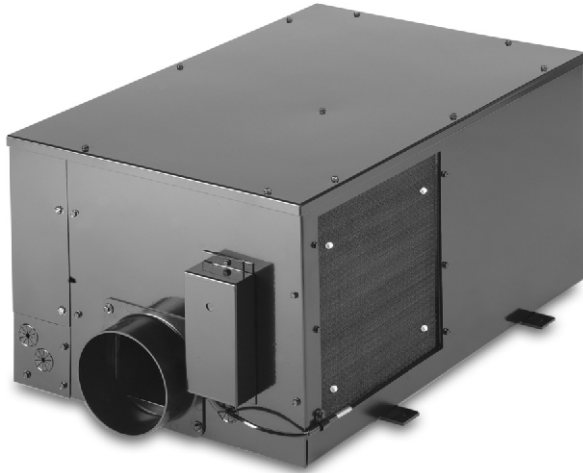




## Auxiliary Power Units for Truck Application

### Self-Contained



Patent # 7,171,822

### Remote



## Standard Features

### Self-Contained

- Extensively field-tested for truck use.
- All components, including compressor, condenser, and evaporator mounted on a single chassis.
- All aluminum construction for long life and light weight.
- All mechanical components enclosed in aluminum sound shield.
- Built-in shock and vibration isolation.
- Strong, silent squirrel-cage blower to support long duct runs.
- Easy plug-and-play electrical hookup.
- Factory precharged and sealed refrigerant circuit.
- Built-in 2.5 kW heat strip.

## Standard Features

### Remote ACC Outside Condenser Unit

- Polished stainless steel enclosure.
- Designed for corrosion and vibration resistance.
- 24 VDC cooling fan.

### Remote EHC Inside Evaporator Unit

- Compact unit.
- Quiet, powerful squirrel-cage blower.
- Rotary compressor inside sound shield.
- Built-in 2.5 kW heat strip.
- Digital thermostat control.
- Rugged galvanized drain pan for corrosion resistance.
- Prewired, plug-and-play waterproof electrical connections.

## Auxiliary Self-Contained Unit

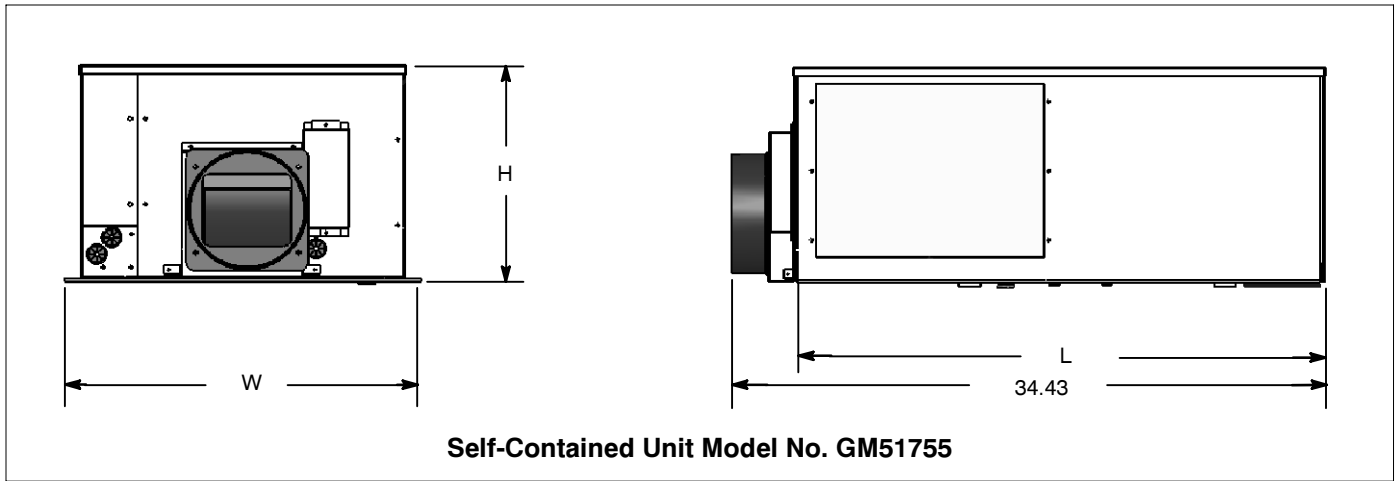
The self-contained truck air conditioning and heating systems are designed to cool or heat the living quarters without running the truck's diesel engine; saving fuel and preserving the environment.

The systems run on 120 VAC electricity, which is supplied by the Kohler auxiliary power unit (APU). The self-contained system provides 14,000 Btu/Hr. cooling. In addition, a built-in heating strip provides an integrated year-round comfort solution.

The self-contained system is designed for easy installation. All system components are built into a single compact, low-profile chassis that can be installed in a lower bay or storage compartment or under bunk.

The return air is pulled directly across the evaporator coil and discharged through ducts to one or more discharge grills.

The unit works with the digital thermostat control. The system is precharged with refrigerant at the factory and no charge adjustment is needed at installation.



Model No.	Cooling Capacity, Btu/Hr	Heating Capacity, kW	Height, in.	Width, in.	Length, in.	Weight, lb.	Full Load Amperage *	
							Cooling, amp	Heating, amp ‡
GM51755	14000	2.5	12.50	20.81	31.50	104.0	15.7	24.0

**Note:** The system is rated to provide full capacity at 35°C (95°F) outside temperature. Actual performance will be affected by factors such as ambient temperature and humidity, insulation, direct sunlight and reflected heat.

\* Full load amperage at 120 VAC.

‡ Power consumption at 120 VAC.

## Auxiliary Remote Unit

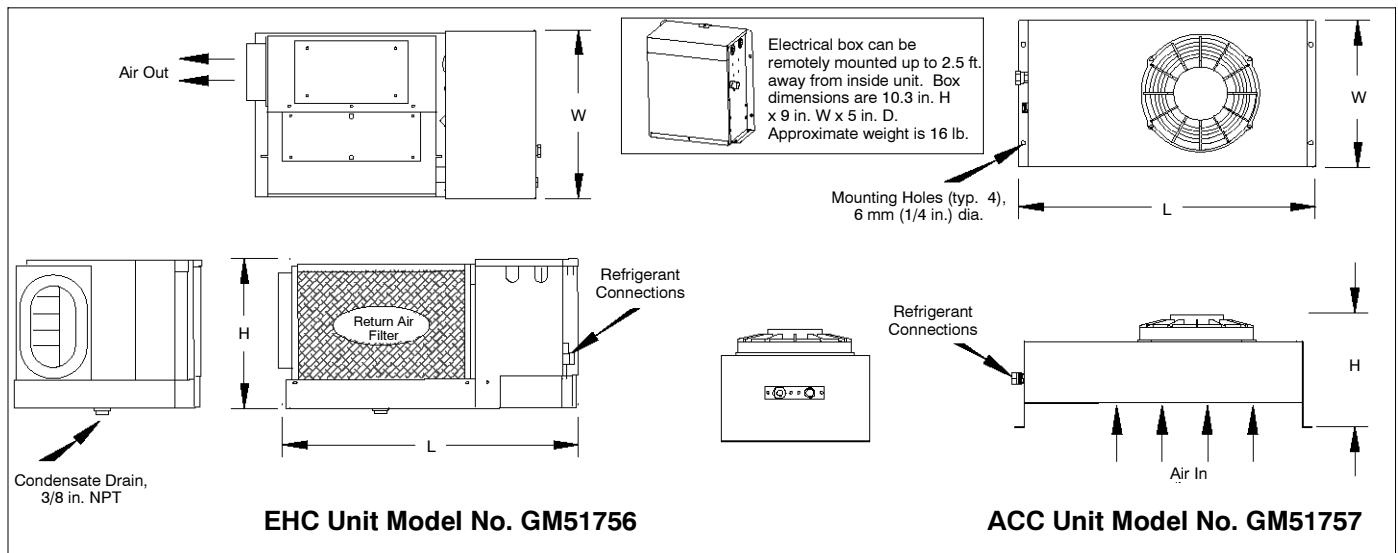
The auxiliary remote truck air conditioning systems are designed to cool or heat the cab and sleeper without running the truck's diesel engine; saving fuel and preserving the environment. The systems run on 120 VAC electricity, which is supplied by the Kohler auxiliary power unit (APU). The unit provides 14,000 Btu/hr. cooling with 2.5 kW of electric heating capacity.

The system consists of separate inside (evaporator) and outside (condenser) sections connected by flexible refrigerant lines. Designed for the harsh trucking environment, the units are vibration and corrosion resistant and are backed by mobile air conditioning experience. A digital thermostat controls the system. Government approved environmentally friendly R-417A refrigerant (HFC) is used.

The ACC condenser section has an epoxy-coated aluminum fin/copper tube coil and a 24 VDC cooling fan within a stainless steel housing. To save space and reduce noise, it is mounted outside, typically under the cab.

The EHC inside evaporator unit consists of a compressor, evaporator coil, electric heat strip, and a blower in an aluminum enclosure with a deep galvanized condensate drain pan. This compact unit is designed to be installed under a bunk or in the bottom of a closet or cabinet. An efficient rotary compressor was selected for its quiet operation, and the enclosure further minimizes noise in the sleeper. A built-in electric heat strip provides heat during cold weather. The strong squirrel-cage blower moves the cooled or heated air to one or more discharge grilles through insulated flexible or fixed ducts.

The condenser, evaporator, and line set are all charged at the factory with the proper amount of refrigerant. Self-sealing quick-connect reusable fittings are used so that no special refrigerant handling equipment is required, and electrical connections are waterproof and prewired for easy, plug-and-play installation.



Model No.	Cooling Capacity, Btu/Hr	Heating Capacity, kW	Height, in. †	Width, in. †	Length, in. †	Weight, lb. †	Cooling, amp	Heating, amp ‡	Refrigerant
GM51756	14,000	2.5	11.69	13.00	22.00	65.0	14.5	21.8	R-417A
GM51757			11.0	12.25	24.63	26.0	14.5	21.8	R-417A

**Note:** The system is rated to provide full capacity at 35°C (95°F) outside temperature. Actual performance will be affected by factors such as ambient temperature and humidity, insulation, direct sunlight and reflected heat.

† Does not include detachable electrical box.

‡ Power consumption at 120 VAC.

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