

Kenworth's proprietary KIMS™ system provides a no-idle, sleeper climate control solution that delivers maximum driver comfort while also reducing emissions and lowering fuel costs.

The KIMS system is powered by four, heavy-duty AGM batteries that are charged during normal driving conditions. When the engine is off, KIMS provides quiet, efficient, high-power cooling capacity for up to 10 hours* on a single charge. Kenworth's KIMS design features one of the smallest footprints in the industry, maximizing valuable under-bunk storage space. It also features on-board diagnostics, full automatic temperature control in A/C and heating modes and a digital LCD display that makes it easier for drivers to control the unit and provides battery monitoring.

Features:

- Ease of operation
- Easy service diagnostics
- Warranty through Kenworth
- Low maintenance
- Integrated with Kenworth sleeper A/C ducting
- System is recognized for weight exemptions, reference ATRI
- Factory installed at Kenworth Manufacturing facility
- Qualifies for Federal Excise Tax (FET) exemption
- Single thermostat temperature control for A/C and heat
- California Air Resources Board (CARB) approved (ARB #08-643-004)
- SmartWay certified



*Depends on ambient temperature, solar load and truck insulation.

Display Functions:

- On/Off button
- Modes: Auto / Heat / A/C
- Blower Speed
- Temperature Setting
- Diagnostics
- Battery Status



Control/Display inside sleeper on rear wall

Luggage compartment
120V inverter/charger & fuel-operated air heater (recommended)

Starting batteries
(4) 2538080

Auto Start
(recommended)



Delco 40SI 300 Amp Alternator

Battery box located between the frame rails with (4) AGM deep-cycle batteries and Bergstrom battery management systems (BMS) Available with location options

Exterior mounted condenser (height options available)

KIMS unit in the luggage compartment (evaporator, compressor, and blower connected to existing sleeper ducting)

BMS Features:

- Mounted in the auxiliary battery box
- Monitors voltage and current in/out of batteries
- Monitors battery charge status and battery health status
- Controls battery isolator



Models: T680, sleeper size 76”, T880 and W990

Data Code Specifications	Description
8178351	KIMS System
1812450	Delco 40SI 300 amp alternator
8158011	Fuel-operated heater (optional)

Data Code Specifications	Description
2538080	Starting batteries (need 4)*

Data Code Specifications	Description
6409010	Back of cab box (requires location code)
6409933	Left hand back of cab box location
6409934	Right hand back of cab box location
6409930	Right hand under cab box (behind fridge)
6451025	Specify right hand under cab location

*Requires 4 starting batteries (2538080) and 4 auxiliary batteries for each system.

Weights & Dimensions

Inside Evaporator Unit

- 48.5 lbs. (22.0 kg)

- 15.5” x 15.6” x 10.5”
(393mm x 396mm x 266mm)

Outside Condenser Unit

- 16 lbs. (7,3 kg)

- 20.9” x 5.7” x 14.8”
(530mm x 145mm x 375mm)

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Meets TMC Recommended Practices (RP) 432A

This RP offers guidelines for performance requirements of engine-off HVAC systems for sleeper cabs.

- Factory installed curtains closed
- Initial sleeper temperature 73 +/- 5°F
- 100°F ambient outside temperature
- 50% relative humidity
- 600 W/m² solar load on vehicle roof