

TRUCK SINGLE ZONE AUTOMATIC HVAC SYSTEM TRAINER

Put your class in the cab!



Included Support Materials

- ASE Education Foundation (NATEF) and Red Seal task correlation
- Electrical diagrams that correlate to breakout box for student troubleshooting exercises
- Coolant Flow Chart
- Refrigerant Flow Chart
- Operation manual
- Onsite or webinar training options on request

Educational Advantages

Do you struggle to teach truck, heavy equipment and agriculture automatic HVAC Systems? The HV-101A trainer provides demonstration of the functionality of a cab HVAC system without the extensive cost and space requirements of a full vehicle.

- HV-101A allows system live demonstrations to entire class without access limitations of a real vehicle
- Eliminates the need for vehicle disassembly of HVAC components to provide visual access for students
- Trainer is ready for set up and instruction by plugging in power cords
- Compact design, able to fit through typical doorways and is easily moved with HD casters
- No exhaust extraction equipment required

Features

- TMRedDot Automatic HVAC System
- Digital Cabin Temperature Sensor display
- Functioning A/C compressor and system
- Heated circulating coolant for the heating cycle
- OEM receiver/dryer, condenser and evaporator units for the R134a system. This includes wiring, connectors and OEM wire colors
- A/C clear sight glasses with TXV H-Block design
- A/C high and low pressure gauges with service ports
- Functional dash with controls that features a breakout box for troubleshooting
- Fault box with six individual system faults for students to troubleshoot
- Condenser fan speed control switches to create various operating conditions
- Variable digital temperature control

Main Components

- HVAC under dash unit
- A/C compressor driven by 15A, 240V electric motor
- Coolant heater with circulating coolant pump
- Speed controlled condenser fan
- 120VAC/12VDC power supply for the vehicle control circuits
- Fault box with 6 system faults
- Functioning dash controls with breakout box
- Emergency stop button
- Safety shields on all rotating equipment

Specifications

- Power requirements: 1 (one) 240V 15A circuit and 1 (one) 120VAC 15A circuit
- Dimensions: D 60" x W 32" x H 52" (152.4 x 81.3 x 132.1 cm) / D 78" x W 36" x H 64" (198.1 x 91.4 x 162.5 cm) w/packaging.
- Weight: 521 lb (236.3 kg) / 395 lb (179.2) w/packaging.