

CB-1212 Gas Packaged Unit Electrical Simulator

The Gas Packaged Unit Electrical Simulator replicates a high-efficiency gas furnace paired with a single-stage air conditioning system, representing one of the most common residential HVAC configurations. With 32 built-in diagnostic faults, students are able to diagnose both heating and cooling system failures within a single integrated system, providing a comprehensive understanding of full-system operation. As they work through faults, students troubleshoot real components such as the Low Pressure Switch (LPS), High Pressure Switch (HPS), and Discharge Temperature Sensor (DTS), reinforcing practical, real-world diagnostic skills.

SPECIFICATIONS

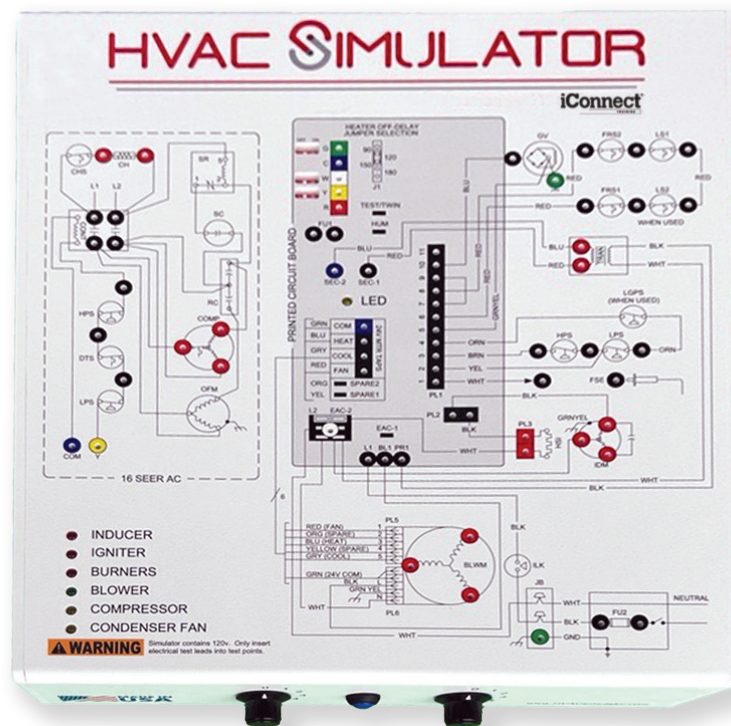
- Electrical Requirements: 120V 15A 60Hz
- Overall Size: 13.5" L x 14.5" W x 3" H
- Net Weight: 8 lbs

IDEAL TRAINING APPLICATIONS

- Programs teaching residential HVAC systems in heating-dominant climates where furnace and air conditioner combinations are common

FEATURES

- Compact design allows easy use and storage
- Simulates 16 heating and 16 cooling faults with knowledge checks
- Live Voltage allows any electrical meter to be used to measure voltage, resistance, and microamps
- Simulated 230V for condenser. Unit powered by 110V non-GFCI
- 100+ page Student Workbook designed to teach Sequence of Operation, Schematic Reading, and Electrical Diagnostics
- 100+ page Instructor Manual with answers and assessment questions
- Additional copies available for purchase
- Purchase of the Simulator includes the complete HVACsim app for instructor and students



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TRAINING

