

# TRAINING UNITS

## TU-406C RESIDENTIAL HEAT PUMP TRAINING UNIT

Teach real world experience in troubleshooting wiring, piping and controls of a working heat pump unit for a whole house. This residential split system shows indoor and outdoor components, with a 1.5 ton heat pump and matching air handler.

### Specifications

Electrical requirements: 240VAC; 60Hz; 20A; 4-wire

Uses R-410A Refrigerant

TU-406 Overall Size: 70" L x 33" W x 67" H

TU-406C Overall Size: 70" L x 33" W x 85" H

### Features

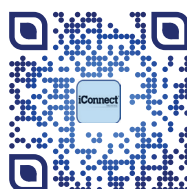
- Fault simulation with two refrigerant faults and four electrical faults
- Provides numerous real-world applications and trouble-shooting examples
- Refrigeration heat pump cycle can be observed
- High-pressure refrigeration tubing piped to sight glass for direct observation of the fluid stage of the refrigeration cycle
- Pressure, temperature and electrical readings can be made
- Visible wiring and piping
- Reversing valve operated through a digital thermostat
- Metering device/thermostatic expansion valve
- Necessary line and low voltage wiring
- Low voltage transformer and wiring
- Includes Operation Manual and book *Heat Pumps: Operation, Installation & Service*, with student assignments and Instructor's Guide CD
- Optional add-on equipment package provides all the professional tools necessary to complete service checks (see page 34)

### Optional Unit Configuration

- **TU-406:** Base Unit (without TV and duct work)
- **TU-406C:** Base Unit plus TV and duct work

\* NOTE: 240V plug not included

**iConnect**<sup>®</sup>  
TRAINING



Duct Work

Large Digital Display\*\* shows iManifold Live Readings

Programmable "Smart" Thermostat

EZ Trap Float Switch and emergency drain pan float switch

\*\*Customer provides smart phone or tablet and necessary adapters and cables to mirror iManifold app to TV display.

### TU-406C: Suggested 13 courses totaling 234 credit hours

Subscription includes Instructor's selection of any 5 courses in catalog. Add more courses by request.

1. 101 Fundamentals
2. 111 Electrical DC Theory Plus
3. 112 Electrical AC Theory Plus
4. 113 Electrical Common Components
5. 114 Electrical Motors
6. 121 Air Properties and Measurement
7. 135 HVACR Heat Pumps
8. 141 Refrigeration I
9. 142 Refrigeration II
10. 143 Refrigeration Cycle Service Procedures
11. 241 Intro to Cooling System Troubleshooting
12. 242 R-410A Refrigerant Technology
13. 243 Advanced Troubleshooting

E-LEARNING CURRICULUM NOW AVAILABLE

**INCLUDES:** The popular iManifold 900C service kit, and a new iManifold Pulse kit for permanent installation and 24/7 monitoring on a package unit. See page 34 for more details.

**Shipping Weight:** 960 lbs.

**Shipping Dimensions:** 80" L x 48" W x 78" H