

# Heat Pumps: Operation Installation and Service

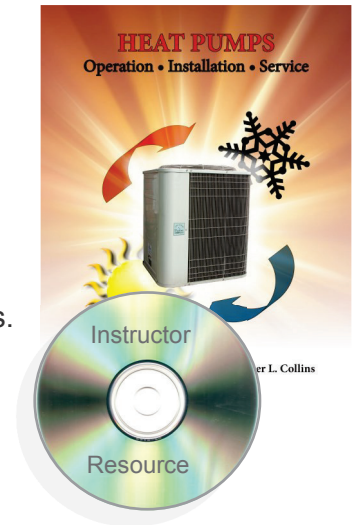
This program is designed to provide students and technicians with a comprehensive overview of the heat pump system, its operation and principles.

## Training Manual

Item: HPOIS | ISBN: 1-930044-29-1

Copyright: 2011 | Retail: \$49.95

Heat Pumps: Operation, Installation and Service is a 124 page manual that covers: heat pump basics, principles of operation, system components, air flow, defrost methods, balance point, electric heat, electrical control wiring, refrigerant piping, installation, refrigerant charging, troubleshooting, dual fuel systems, and geothermal systems. The spiral binding will allow students to tear out worksheets for grading by the instructor.

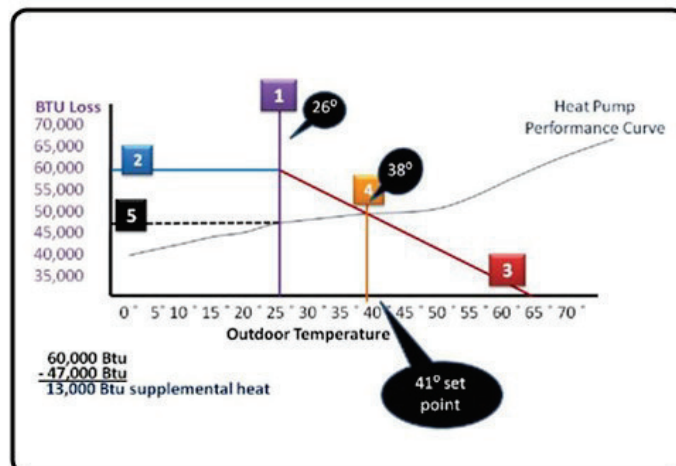


## Certification

To aid those in demonstrating their knowledge of the materials there are Employment Ready and Professional Level certifications available. These 100 question exams cover: components, controls, heat pump cycle, service, theory, troubleshooting, and interpreting heat pump schematics.

\$25.00 Test Fee (Employment Ready)

## Example Balance Point Calculation



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