# Residential Heat Loads

**Residential energy studies show that 72% of systems are improperly sized.**

**Determining the proper heating and cooling load for a structure is one of the most important processes when installing a new HVAC system. A system that is too large or small can greatly impact not only the building occupant's comfort and health but also the energy consumption of the structure and equipment life.**

## Instructor Resource Materials

**Downloadable Edition (via ESCO Proctor Login)**
**Item:** IRDRHLCPPT2IND **Individual:** $84.95


**CD Edition (Shipped)**
**Item:** RHLCPPT2 | **ISBN:** 1-930044-36-4
**Copyright:** 2012 | **Retail:** $148.50

This 472 slide training program simplifies the task of teaching students and technicians Residential Heat Load Calculations.

The four main areas covered in the instructor PowerPoint include:

- Introduction to building heat transfer
- Building envelope analysis
- Windows and doors
- Heat gain and loss calculations

## Student Workbook

**Item:** RHLCSW | **ISBN:** 1-930044-34-8
**Copyright:** 2012 | **Retail:** $32.95
The 196 page student workbook includes PowerPoint note pages and thorough worksheets so students can put their learning to work.

## Certification

The 100-question Residential Heat Load Analyst Certification measures one's ability to properly determine the heating and cooling load of a structure, ensuring optimal system performance, less energy consumption, longer equipment life, and greater customer satisfaction.

$55.00 Test Fee