



RDKB HomeSmart

F280 Load Calculation Information Sheet

When you're planning on replacing your space heating or cooling equipment, it's important to make sure the new equipment is the right size for your home.

What is an F280 Load Calculation?

F280 is the industry-standard for properly sizing heating and cooling systems in buildings. By assessing how much heat a building gains or loses, a F280 calculation ensures that heating, ventilation and air conditioning (HVAC) equipment is sized properly to the building's needs.

Why You Should Consider an F280

Choosing equipment that's too large or too small can lead to:

- Uneven temperatures or "hot/cold spots" in your home
- Poor air quality
- Higher energy bills
- Early equipment failure

Proper sized equipment means better comfort, lower energy bills and a longer-lasting system.

What Does HVAC Sizing Mean?

HVAC sizing determines the right system capacity (in BTUs or tons) to keep your space comfortable. It considers insulation, windows, direction your home faces, your local climate and more.

Signs your equipment may be sized incorrectly:

If it's too small:

- Runs constantly
- Struggles to reach set temperatures
- High energy bills

If it's too large:

- Turns on and off frequently
- High humidity
- Uneven heating and cooling

Talk to your HVAC contractor or Energy Advisor about an F280 load calculation before replacing your heating and cooling system.