

# SALEM CASE STUDY



## Home:

- Built in the 1880s
- 1,545 square feet (2<sup>nd</sup> floor unit in two-family home)
- Weatherization measures: Spray-foamed the attic, cellulose in the walls, air sealing the rim joists, double pane windows
- Peak heat load: 42,311 btu/hr at 0°F



**Previous HVAC:** Natural gas furnace, 5-10 years old, left in place as emergency back-up, no central cooling

## Heat Pump:

- Bosch BOVA-60HDN1-M20G centrally ducted heat pump (40,000 btu/hr at 5°F)
- Installed December 2020
- Cost: \$12,700 plus the cost of the ductwork upgrades



## Customer experience:

- Weatherization made the home much more comfortable
- Electric bills have gone up a modest amount
- Experience with the heat pumps has been seamless, no need for back-up gas heat as of Feb. 2021