

PARTNERS

UNICO Contractor

Sunrise Heating & Cooling

Scott Kelly

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Exterior of the Tudor style home

The Unico System is designed to fit. It's ideal for heating or cooling buildings with:

- Electric Heat
- Hot Water Heat
- Chilled Water Loops
- Steam Heat
- Radiant Floor Heat
- Inadequate or No Ductwork
- Limited Space
- Inadequate Cooling on Upper Levels
- Baseboard Heat
- Radiator Heat

Overview

This home is a Tudor-style home built in the 1920s and is located in White Plains, NY, an affluent area in Westchester County just north of New York City.

When this house was built, air conditioning wasn't even thought of, but these days, nearly 100 years later, air conditioning is a necessity. Because of this, the homeowners contacted several contractors for bids to have central air installed.

The homeowners were looking for a whole-house central heating and air conditioning system that could condition two floors of living space. The other contractors suggested one system for each floor. Scott Kelly, owner of Sunrise Heating & Cooling, quoted one Unico System E.C. to be installed in the attic, which would then be set so each floor was a different zone. The homeowners had their doubts, but decided to use Sunrise Heating & Cooling.

Sunrise Heating & Cooling is one of the premier contractors installing the Unico System in the New York area and has been installing the Unico System for many years now.

Strategy

Scott admits "This was slightly intimidating. The homeowners were skeptical that we could zone the entire two-story house with just one system when the other contractors quoted two."

Scott was able to accomplish this by installing a variable speed E.C. motor, software, and a 2-speed

Retrofit Renovation

Case Study: *White Plains, NY*

condensing unit outside. This setup gave Scott exactly the control he needed to set the air speed for the two zones.

"A great feature of the E.C. Software is we're able to simply plug our laptop into the S.M.A.R.T. control board and adjust the system pressure perfectly to get it as efficient and quiet as possible," says Scott.

Scott then routed the duct work throughout the home with ease. Scott adds, "We found lots of hidden space and voids inside the house that allowed us to easily weave the small duct work throughout the entire home."

After commissioning the system, Scott went back to the home to see how it was functioning. After a little feedback from the homeowners, he was able to dial the blower speeds down even further, which made the system even more quiet than it already was.

Results

"The homeowners were impressed by the ability of the Unico System to zone their house with just one system, and they were happy with us because we saved them significant money by not having to install more systems than were necessary."

"On a scale of 1 to 10, this easily came out a 10," raves Scott. "The young homeowners had the system all summer last year and said it worked perfectly, and they're incredibly happy with it. We couldn't have asked for a better outcome."



The Unico System and ductwork installed in attic