DAIKIN
AIR INTELLIGENCE™

BLUEPRINT

COMFORT TRANSFORMATION FOR A HISTORICAL 1935 HOME
MANHASSET, NEW YORK



PROJECT INFORMATION

Building Type: Single Family Home

Year Built: 1935

Floors: 2 + basement

Square Feet: 2,181 ft²

Bedrooms: 3

Bathrooms: 4

Homeowners:
Joe and Donna Marchese, Manhasset, NY

HVAC Contractor:
T.F. O'Brien, New Hyde Park, NY

HVAC Distributor:
SW Anderson, Farmingdale, NY

Daikin Sales Representative(s):
Edward Ruff, Area Manager
Richard Gibson, Area Manager

CHALLENGE

To maintain the historical aesthetics of the Marchese's beautiful 1935 Tudor home with a minimally invasive HVAC solution that replaced aged, noisy, and uncomfortable through-the-wall air conditioning units, while enhancing indoor comfort. Provide a state-of-the-art system that would reliably maintain comfort and is easy to operate. Finally, the ability to fully integrate the existing boiler system as a secondary backup heat source.

SOLUTION

Daikin Comfort Pro dealer T.F. O'Brien considered several options for the Marchese home. Due to varying requests of the homeowners (four-season patio, basement, etc.), a *Daikin VRV LIFE™* system was the obvious choice. The *VRV LIFE* system provided the integrated solution of ducted and ductless zones, minimal installation complexity, and the enhanced indoor environment Joe and Donna Marchese were hoping for.

About 20 miles outside of Manhattan sits the quaint town of Manhasset. There is no question why Joe and Donna Marchese fell in love with the area and their 1935 Tudor-style home. Each home is unique, filled with character and charm, and surrounded by picturesque scenery. For homes built in 1935, heating equipment was very different, and cooling equipment didn't exist as it is today. Large numbers of homes built before the 1950's were designed with no consideration for air conditioning. To satisfy the needs of a modern lifestyle, Joe and Donna were determined to find the perfect solution, without expensive structural renovations that would jeopardize their home's authentic design.

Before the new *Daikin VRV LIFE™* system was installed, the Marchese home functioned with window-style air conditioner units installed through the walls and a boiler heating system with radiators in several rooms. Smart plugs were later installed on the air conditioning units as a way to turn the units on and off using mobile devices, but Joe and Donna intended this to be a short-term fix. All of the units were 20-30 years old; the oldest being a *Daikin* unit. A testament to Daikin's quality and engineering, the 30-year-old unit was still running.

An old gas fired boiler in the basement has been no friend to acoustical comfort. "Our grandson's first word was 'heee'," Donna explained. "Whenever he was over, and the boiler started up, he would say "heee" and get so scared." Over the years, Joe and Donna made various updates to their home and heating and cooling systems. "They've reached their peak," Joe explained. "They're inefficient, very noisy and have worked just okay. It had become very difficult to live with these old units, and it was time to do something about it."

continued >



