

# Steele Mansion Renovation

Steel Mansion is a historic building owned by Painesville Township residents, Art and Carol Shamakian (Shuh-MOCK-ee-an), located at 348 Mentor Ave.

Built in 1867 for George W. Steele, it is a beautiful building, but it needed special attention as to not disturb the architectural integrity. That is why the Samsung DVM S Heat Pump System was a perfect fit. There was no need to run ductwork all throughout the facility and worry about how to conceal it. In addition, the Samsung DVM S system is very efficient with minimal operating cost and maximum comfort.

DVM S HP: The Heat Pump System at Steel Mansion consists of two 10-ton modular outdoor units and nineteen indoor units. Of the indoor units, nine of them are Slim Duct Design and ten of them are Under Ceiling/Low-Wall units. Most of the Slim Duct Design units are located on the second floor above the bathroom ceilings in the suites. The units are designed to run so quiet that you would not even know they are there. The Under Ceiling/Low-Wall units are primarily in the common areas on the first floor, with one or two of them located on the second floor in sitting areas. They are disguised with a decorative cover that fits in with the décor and allows enough ventilation to move air.

DVM S is a highly innovative system that adopts the new 3rd generation Samsung Scroll Compressor (SSC) technology. With its Dual Smart Inverter, DVM S provides top class energy efficiency and the most powerful cooling and heating performance. This perfect air conditioning system satisfies all types of environments, including historical buildings.

## **The 3rd Generation Technology**

Samsung's new 3rd generation technology adopts dual inverter compressors and an upgraded vapor injection system, exceeding the performance of previous versions of the system. This optimizes energy efficiency, providing energy savings.

## **Top Class Energy Efficiency**

DVM S has achieved top class energy efficiency by adopting a dual inverter compressor with a vapor injection system. Simultaneous heating/cooling efficiency: ratings as high as 27 Integrated Energy Efficiency Ratio (IEER), 30 Simultaneous Cooling and Heating Efficiency (SCHE).

DVM S has achieved superior Energy Efficiency Ratio (EER), which far surpasses competitor's EER at all ranges. On average, DVM S has 13% higher EER than competitors.

## **IEER**

DVM S's European Seasonal Energy Efficiency Ratio (ESEER) also surpasses competitor's ESEER at all ranges. On average, it has 4% higher rate than competitors.

## **Wide Operating Temperatures**

When you use DVM S, there's no need to worry about using an additional unit for severe temperatures. It has a wider temperature allowance, meaning you can cool in the burning heat of 118°F or provide heat in the freezing cold of -4°F.