



## VRF AND MULTI-SPLIT SYSTEMS

### CHARTER COURT PHILADELPHIA



#### Challenge :

Provide a system for heating and cooling for around 500 apartment units, offer a system that will fit an existing building and provide a sub billing method per unit.

#### The solution :

The Charter Court apartments decided to install a Tosot VRF system. The decision was based on the system's ability to provide cooling and heating in the building.

We installed a long distance monitoring software with sub-billing per unit. The VRF technology allows installation in an existing building without having to open walls and ceilings.



#### PROJECT INFORMATION

- **Building Type :**  
Residential furnished apartment building (2 buildings / 500 apts)
- **Square Feet:**  
38,000 sq. ft.
- **Ton :** 750
- **Outdoor Unit :** 92
- **Indoor Unit :** 1189
- **Consulting Engineer :**  
Green Products
- **Contractor :**  
PAMSCO Mechanical
- **Manufacturer's Representative :**  
Chuck Baer - Tosot units provided by Flex Depot

# CHARTER COURT PHILADELPHIA



## TOSOT EQUIPEMENT

### OUTDOOR UNITS

- 37 x 10 ton Heat Pump VRF  
TVRF-OC120KHP/220
- 35 x 8 ton Heat Pump VRF  
TVRF-OC96KHP/220V
- 12 x 6 ton Heat Pump VRF  
TVRF-OC72KHP/220V

### INDOOR UNITS

- 1189 x Wallmounted Unit
- TVRF-IEWM07KHP
- TVRF-IEWM09KHP
- TVRF-IEWM12KHP

### CONTROLLERS

- 1 x Long Distance Monitoring  
- TVRF-LDMS
- 1 x Billing Software
- 8 x Centralized Controller  
TVRF-TSCC/255
- 8 x Modbus  
TVRF-ME30-30-24/E4

### CONNECTIONS

- 177 x Y branch  
TVRF-YC0/20KW
- 116 x Y branch  
TVRF-YC20/30KW
- 233 x Y branch  
TVRF-YC30/70KW
- 57 x Y branch  
TVRFYC70/135KW
- 446 x T-type manifold pipe  
TVRF-TC0/40KW



## FIND OUT MORE ABOUT TOSOT VRF.

Contact your local dealer or manufacturer's representative or go to: [tosothvac.com](http://tosothvac.com)

### Additional information

Before purchasing this appliance, read important information about its estimated annual energy consumption, yearly operating cost, or energy efficiency rating that is available from your retailer.

Actual savings and costs will vary. Cost and savings statements are applicable solely to the installation indicated. For additional information please contact the installing contractor, distributor or factory representatives.