

Applications

Sun Rooms or 4 Season Rooms

Sizing

Sizing and Location of the Mini Split to the room is still EXTREMELY IMPORTANT.

Team Air recommends a 12,000 Btu/h capacity for each 325 to 350 Sq Ft of the Room

The throw of the 9 or 12,000 Btu/h units is approximately 15 feet, and the 18 or 24,000 Btu/h units have a throw of approximately 25 feet.

Sun Rooms are a great application for Team Air Mini Split units however there are several items that must be addressed to make the installation a success.

Ambient

Sun Rooms are different in their application as they by definition have a large solar gain and therefore can require cooling in cold ambient temperatures. Therefore as per Computer room and Commercial applications it is **mandatory** to install the ICM 326H low ambient control and a crankcase heater on the system.

Indoor unit Location

For optimum unit operation the High Wall Indoor unit should be mounted a minimum of 6 feet from the floor. A minimum height of 4 feet must be maintained for correct unit operation.

Ensure air flow is never directly straight onto areas where people may sit or congregate, as the temperature difference between Supply and Return air will be approximately 35 DegF.

Heat Pumps

In order to use the Sun Room year round Heat Pumps are the recommended system, however it may be advisable to install some additional source of heat, such as electric baseboard if the Sun Room is to be used in temperatures below 24 DegF.

Below 24 DegF the air temperature delivered from the unit will be close to body temperature making it feel uncomfortable, as when the Outdoor temperature falls the unit capacity and efficiency reduces, together with the unit requiring more frequent defrost cycles.

This will assist in truly making the Sun Room a room to be enjoyed in comfort all year round