

## **Applications**

**Commercial, Offices, Shops, Churches etc**

### **Sizing**

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

### **Team Air recommends a 12,000 Btu/h capacity for each 350 to 450 Sq Ft of the Room**

Do not exceed this sizing guideline for the same reason as the computer room application information

Again DO NOT install Team Air Mini Splits in rooms of less than 100 Sq Ft

### **Ambient**

Check as to the lowest ambient temperature that will be required for cooling, the minimum design temperature for the Outdoor unit is 65 DegF, if cooling is required below that, down to 32 DegF, Team Air insists on an ICM 326H Fan Speed controller being installed on the Outdoor unit. On ALL units, a Crankcase Heater should also be installed.

For cooling down to 0 DegF, the use of Wind Baffles is required, per the computer room application information.

### **Filters**

Team Air Mini Splits, because of the constant operation of the fan require much more frequent filter cleanings or replacements than the standard "ducted US style" units which are generally used for commercial buildings. Team Air recommends that the filters are cleaned every 4 weeks of operation, more frequently in areas subject to dirtier conditions e.g. Warehouse offices etc

### **Condensers located inside the Building**

Especially with Warehouse or additional office space the condensers can be installed inside the building, this provides two specific issues to address

1. Lower ambient, these units are rated at 95 DegF ambient, if the ambient in the building does not rise above 80 DegF, we can downsize the unit as it will produce more capacity and operate more efficiently
2. Cleaning the condenser coil, use soapy water and keep the condenser coil clean, put it on the same schedule as the indoor unit filter cleaning