

## Benefits of a “Stand Alone” Unit

### Why use ductwork?

Hydro-Temp’s “stand alone” unit is great for open areas such as stores, manufacturing plants, and warehouses. The air distribution box atop each unit distributes the conditioned air at the 8 foot level.

### Why cool the air above the eight foot level?

In buildings with high roofs only the air below the 8 foot level is cooled. This allows a stratification layer of warm air to form between the 8 foot level and the roof. We have had maintenance personnel comment that when changing florescent lamps at a 12 feet level, they notice the air temperature was approximately 100 degrees, while at the 8 foot level, the air was only 75 degrees.



Stand Alone Unit located at Madison County Farm Supply  
In Fredericktown, Missouri

### It’s common for cooling capacity to reduced as much as 50%.

When only cooling the area below 8 feet, much less cooling capacity is necessary. When replacing standard “ducted” systems with “stand alone” units we normally recommend installing only 40 % of the cooling capacity that was originally installed. If additional equipment is necessary, one “stand alone” unit at a time can be installed until the building is properly conditioned. We call this incremental sizing.