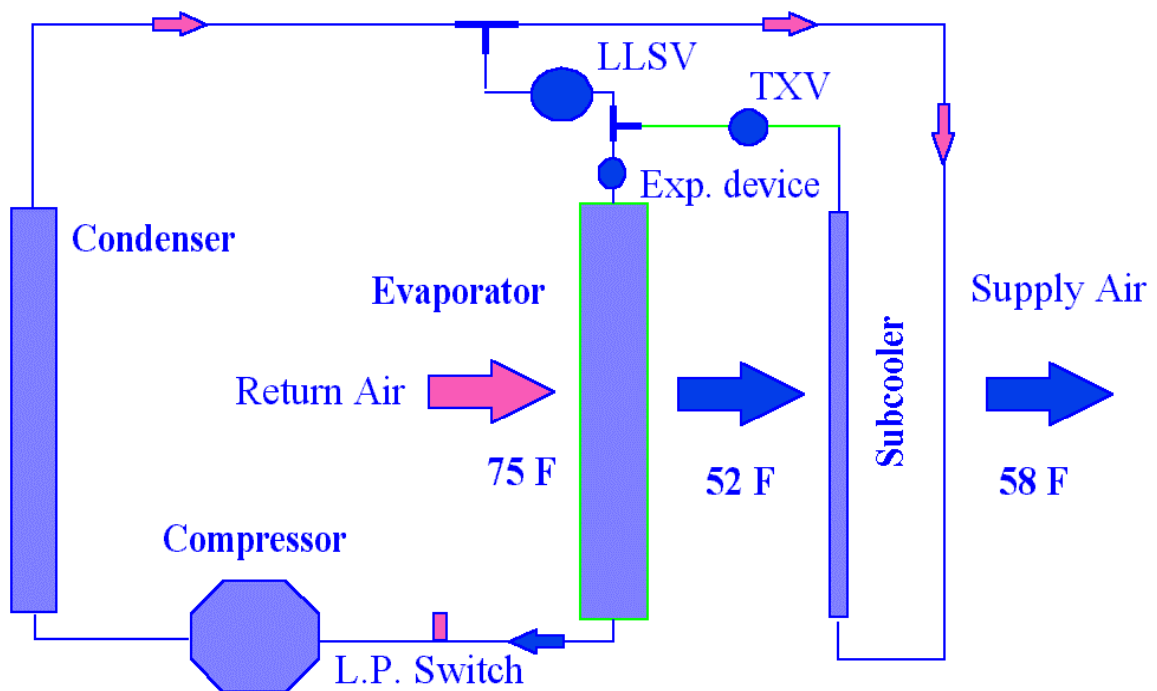


## *MoistureMiser*

To meet these design challenges, a few years ago Carrier Corporation introduced a new packaged rooftop accessory called the *MoistureMiser*. The *MoistureMiser* is a factory-installed dehumidification system that provides greater dehumidification by adding a sub-cooling coil, located on the leaving-air side of the evaporator coil, along with controls which lower the refrigerant temperature entering the evaporator. This increases the latent capacity of the system by as much as 40%.

The sub-cooling coil downstream of the evaporator re-heats the cold supply air to prevent overcooling of the space and avoid complaints of cold blow from the building occupants.



**Figure 1 – MoistureMiser Diagram**

## *Energy\$Recycler*

Carrier Corporation has recently introduced a new RTU called the COBRA *Energy\$Recycler* which is a factory installed, one piece design that installs on a standard roof curb and features single-point wiring. The *Energy\$Recycler* is also available as a retrofit kit for field installation on existing rooftop installations since 1988; it attaches directly to the rooftop unit. It preconditions the outside air entering the unit allowing the introduction of large quantities of outdoor air in hot climates where typical rooftop units can't handle the extreme conditions.

This device is a self-contained mechanical refrigeration system (similar to a room air-conditioner) that bolts right on to the outdoor air intake of the rooftop unit to pre-