

Evaporcool Case Study

Community of Faith, Cypress TX

The Problem

Community of Faith church in Cypress, TX. could not maintain a comfortable room temperature in their bookstore and main lobby area. They have 3 services on Sunday morning with approximately 3,500 people coming in and going out. The outdoor temperatures and constant flow of people over came the abilities of the cooling system.

The Solution

They had EvaporCool installed on the 20 ton split Carrier system that served the area. The filtered evaporative pre-cooler system keeps the coils clean and lowers the air temperature entering the condenser coil making it more efficient and able to develop full tonnage at high outdoor temperatures.

The Results

- Lowered the space temperature
- Lowered the energy use of the unit 28% on a 101°F day, at full load.
- Reduced the run time on the unit.
- Reduced coil cleaning.
- Increased cooling capacity. (ΔT)

