

CASE STUDY

McQuay "K" Style Packaged Terminal Air Conditioning Units Are A Lesson In Comfort For The Dorms

Inherently energy efficient, these units allow students individual temperature control so they can find their own comfort zones, while saving the administration money on energy costs.

Tennessee is home to some mighty hot spots including the Grand Ole Opry and Graceland. But thanks to the McQuay Packaged Terminal Air Conditioning Units, Greve Hall at the University of Tennessee is no longer one of them.

Designed as a residence hall for students, Greve Hall was built in the early half of the twentieth century, and relied on steam radiators to keep students comfortable in the cold winter months. But in the spring, the lack of air conditioning was having a detrimental effect on student's study habits, and in the heat of the summer, the dorms were practically uninhabitable.

Realizing that young college students have enough distractions without the added complication of dorm rooms that are too hot or too cold, the University of Tennessee administration decided to modernize the HVAC system.

The goal of the staff was to make living space as comfortable as possible and as energy efficient as possible. And with the cost of college tuition continually on the rise, they were looking to make it

as cost effective as possible.

That's why they chose McQuay Packaged Terminal Air Conditioning Units.

Inherently energy efficient, these units allow students individual temperature control so they can find their own comfort zones, while saving the administration money on energy costs. Best of all, the centrifugal fan wheel makes this one of the quietest units on the market today.

With its two motor design, the McQuay "K" style PTAC is one of the most reliable units around. These units offer a variety of benefits to the students and to the University. Since the units look good in every room, it's easier to specify one type of unit for a whole residence hall. And the fact that they allow for individual room control, keeps students happy. As



Greve Hall at the University of Tennessee

an added bonus, the units are very quiet so they're conducive to creating an environment that promotes good study habits.

From a cost standpoint, the unit's utilization of outside air to help control temperature is an important benefit. Moreover, the outside air feature helps improve indoor air quality. After looking at a variety of units, the consulting engineer specified the quiet, performance of the McQuay units and the University of Tennessee purchased 215 units. Delivered in May of 1997, the units are up and running and are receiving rave reviews from staff and students.