

Project

Name
Yurt Tent

Location
Southwest, PA

The Team

HVAC Contractor
Emminger Heating & Air

HVAC Distributor
R.E. Michel

Fujitsu Equipment

(2) AGU15RLF Floor Mounts

(15) AOU15RLFF Condensing Units



No Walls, No Problem - Floor Mounts!

The need for more housing came up at the school grounds of a local school in Southwest Pennsylvania and the solution was to build a portable, round tent used as a dwelling called a "Yurt". The tent will provide a back outdoor space for the teens, used as a basic approach to education and reform. The Yurt was a good idea until the winter approached. The school had to come up with a heating source other than using flame or electric heater.



Design Challenge

The school building grounds wanted to find a heating source for their indoor space which provided no R-value (thermal resistance) and not enough heat without the use of flame. They wanted to find the key to heating a space where temperature went up to 6 degrees and hit sub zero at night and find the comfort that the students needed while occupying the space.

"Can't Beat Yurt living"

Solution

The school had a positive experience with Fujitsu systems and decided to give them another chance at comfort. There really was no other equipment that could be used for this type of space. The other reason for choosing a Fujitsu system was that Fujitsu had the floor model option. This made the installation possible since there are no actual walls to hang the unit on.



Results

By using the Fujitsu mini splits, the Yurt had inside temperatures at a high of 68 degrees when winter really hit and outside the temp 6 degrees for the high and sub zero at night.

