The AC-Enhancer®

Saves Energy and Makes Your Home More Comfortable

Water Removal Test

The testing was done on a 2 ½ Ton system with the input conditions held at a constant 76 degrees with 60% relative humidity. Data loggers were used to make sure the input conditions for the system maintained constant. This was the conditions of the outside air on the day testing was done so that it would maintain constant.

The drain apparatus shown in the picture (Figure 1) was used to capture all the water that would normally go down the drain line from the system. The system was run in the cooling mode for an 8 minute on cycle and

Figure 1

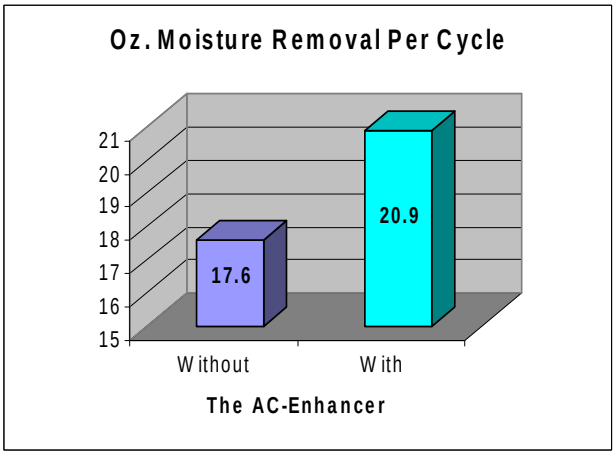

Figure 2

then a 10 minute off cycle. This allowed the starting conditions of the coil to be set like a normal cycle. The system was then run without The AC-Enhancer installed with an 8 minute on cycle and a 10 minute off cycle. The water was captured and measured to be 17.6 oz. of water removed. Then the system was run with The AC-Enhancer connected for an 8 minute on cycle and a 10 minute off cycle. The water captured measured to be 20.9 oz. of water removed. This is a 3.3 oz. or 18.75% increase in water removal over the system without The AC-Enhancer. The graph in Figure 2 shows the difference in moisture removal for the one cycle.

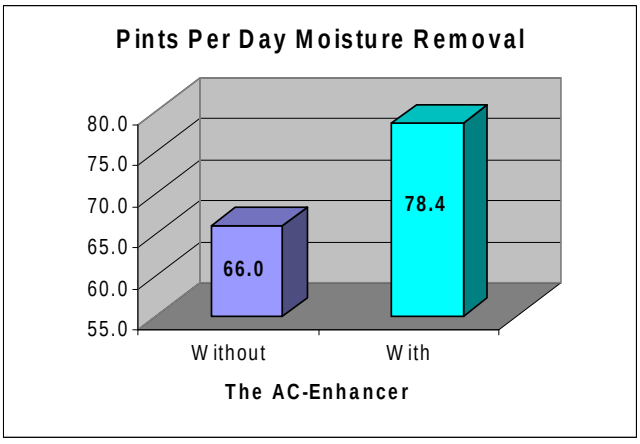

Figure 3

Averaging approximately 3 cycles per hour or 60 cycles per day shows in Figure 3 that the system with The AC-Enhancer would remove 78.4 pints of water versus 66.0 pints for the system without The AC-Enhancer. That is an increased water removal of 12.4 pints or just over 1.5 gallons of water per day. This is a very significant increase in the water removal rate for the system. This increase in water removal is achieved with The AC-Enhancer with no increase and actually a decrease in the power consumption of the system.

For More Information go to www.theacenhancer.com