

CASE STUDY

Addison DC Units Improve Indoor Air Quality For Schools in Metropolitan Atlanta



The Problem

Residents in the Southeastern United States have come to accept warm temperatures and high humidity levels, as long as air conditioned buildings offer comfort and relief. But what happens when air conditioning systems are old, rundown and cause indoor air quality problems for building occupants? Unfortunately, this was the case for a growing number of schools in Atlanta, GA. Schools in this area were using substandard air conditioning systems that resulted in poor indoor air quality. Excessive mold and mildew were causing student and staff health complaints, absenteeism, poor school performance and musty smelling classrooms, which led school administrators to look for cost-effective and reliable air conditioning solutions.

The Solution

Brake Hegyan, Inc. (BHI), a sales representative for Fedders Addison Company, introduced Addison's Packaged Rooftop DC units to schools in Gwinnett County, Atlanta and they quickly became the air conditioning unit of choice throughout metropolitan Atlanta. "What these schools needed were air conditioning systems that used 100% outside air and had dehumidification control and energy recovery wheels – all at an affordable price. Addison DC units were the clear solution," said Bill Druitt, Sales Manager at BHI. Each DC unit is a packaged cooling and/or heating system designed to accept a variety of factory-installed options for dehumidification, ventilation, corrosion control, electrical control and refrigeration control. The cabinet design provides space for a number of these options, including 100% outside air applications and the use of desiccant wheels. DC units can be specially configured to suit the needs of any school.



The Results

After several Addison DC models were installed in schools in Gwinnett County, teachers, administrators, students and parents were all impressed with the results. These units provide a reliable air conditioning system that not only improved the indoor quality of these schools, but the overall learning environment as well. "Mold, mildew and humid air diminished and musty smelling classrooms were no longer such a problem. The success has had a ripple effect, with smaller Atlanta counties purchasing DC units for their schools, too," said Druitt. To date, BHI has sold over 100 DC units and the numbers are on the rise. As the population explodes in metropolitan Atlanta, more and more schools are being constructed, and more and more DC units are being installed throughout the area.



For more information on Addison DC units and other air conditioning products, please visit www.addison-hvac.com. For information on the importance of indoor air quality in schools, visit <http://www.epa.gov/iaq/schools/>.

Addison DC models helped reduce mold and mildew in Atlanta's Gwinnett County schools, resulting in improved indoor air quality for students and staff.

ADDISON

Installation Code and Annual Inspections:

All installations and service of ADDISON equipment must be performed by a contractor qualified in the installation and service of equipment sold and supplied by Addison and conform to all requirements set forth in the ADDISON manuals and all applicable governmental authorities pertaining to the installation, service and operation of the equipment. To help facilitate optimum performance and safety, Addison recommends that a qualified contractor annually inspect your ADDISON equipment and perform service where necessary, using only replacement parts sold and supplied by ADDISON.

Further Information: Applications, engineering and detailed guidance on systems design, installation and equipment performance is available through ADDISON representatives. Please contact us for any further information you may require, including the Installation, Operation and Service Manual.

These products are not for residential use.

This document is intended to assist licensed professionals in the exercise of their professional judgment.



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