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**CASE STUDY - First Baptist Church of Hamilton Park**

*In This Issue...*

**39M AERO™ Air Handling Units Deliver Unique On-Site Installation Benefits**

**PRODUCT**

*AERO™ Air Handling Unit*

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Carrier 39M AERO™ Air Handling Unit

Built in 1961, First Baptist Church of Hamilton Park in Richardson, Texas was one of the first buildings in the area to have central air conditioning. Like so many churches and other buildings of that vintage, its original HVAC system wasn't keeping up with the comfort demands of today. Filled with an impassioned congregation every Wednesday and Sunday, the 17,000 sq.ft. sanctuary required cooling year-round, while the rest of the 120,000 sq.ft. facility - classrooms, meeting rooms and offices - required heating or cooling at certain times of the year.

Since the facility is a place of worship and learning, low sound levels and high indoor air quality would be factors in the final selection of the air handling units. The innovative design and construction

*Easy disassembly and reassembly on-site.*

*Innovative design and construction delivers excellent acoustic performance.*

*Superior level of construction quality and design flexibility.*

characteristics of the AERO air handler meet these requirements by delivering superior acoustics and standard features that include HEPA filters and UV-C germicidal lamps. Additionally, all of AERO air handler's exposed interior surfaces are constructed using AgION® antimicrobial coating, further enhancing indoor air quality.

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## CASE STUDY

However, it was the unique, patented construction that would prove the determining factor in the selection of the AERO units. One option to install the equipment called for cutting a hole in the sanctuary roof, but was vetoed. Josh Kahn, Vice President of Kahn Mechanical Contractors explains, "When you see how little room we had to work in, we had to explore every option. It was really AERO air handler's unique ability for a quick disassembly and reassembly that made achieving our changeover window possible."

The design and operational features found within each AERO unit rival those found in many custom or semi-custom AHUs. This flexibility allows the contractor or engineer to specify the best solution that meets all the performance and comfort needs of each different application. Kahn continues, "When we researched other units, we didn't find the same level of construction quality and design flexibility that we found with Carrier. These AERO units give us so much more bang for the buck." Easy servicing was another reason for selection of the AERO units. Their unique structural frame allows easy and safe removal of all access panels. The appliance-quality finish, with no exposed edges, also contributes to safe handling for installers and service technicians.

The success of the project at First Baptist Church of Hamilton Park was the result of Kahn Mechanical Contractors fully understanding the goals and



Installation of Carrier 39M Air Handling Unit

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Josh Kahn  
Vice President  
Kahn Mechanical  
Contractors  
Dallas, Texas

expectations and then working closely with Carrier to ensure that AERO units were designed, manufactured and delivered as expected. Kahn concludes, “This was a very demanding project from a variety of angles so every link in the production chain had to be intact. With all the challenges this project had — physical space constraints, an extremely tight installation window and limited access — Carrier’s AERO units were the right product for the job.”

The 39M air handler’s features, performance and delivery have since led Kahn Mechanical Contractors to use the product on other space-challenged projects.

[Learn more](#) about AERO™ air handling units or [download](#) the complete case study.

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