



Orlando Resort Transforms Guest Comfort with Toshiba Carrier VRF

Commercial Buildings | Education | Healthcare | **Hospitality** | Mixed-Use Facilities | Residential



The Situation

After years of challenges with the maintenance, performance and efficiency of their existing VTAC (vertical terminal air conditioner) systems, Marriott's Harbour Lake resort knew it was time for a new solution. Fueled by their desire to enhance guest experiences, streamline maintenance operations and achieve energy savings, Harbour Lake decided to overhaul the air systems of 96 units, ranging from 1-3 bedrooms—about one-third of the property.

The Challenge

In selecting a new air system, the resort's priority was guest comfort. But Orlando's warm and humid climate would demand a top-of-the-line system in terms of performance and efficiency. And the resort's single-phase electrical setup limited their options when it came to modern technology. To avoid the additional costs and disruptions associated with rewiring the entire property, Harbour Lake needed to find a compatible system that wouldn't compromise on comfort.

As if tackling these challenges wasn't difficult enough, the resort also needed to keep its doors open to guests throughout the project.

Project Summary

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| Client Name: | Marriott's Harbour Lake Resort |
| Location: | Orlando, FL |
| Project Type: | Retrofit |
| Facility Type: | Hospitality |
| Project Size: | 3 Buildings, 96 Rooms |
| Distributor: | CE Florida |
| Installed By: | Ferran Services |
| Equipment: | Toshiba Carrier Single-Phase Heat Recovery VRF System with Air Handlers and Multi-Port Boxes |



The Solution

The Toshiba Carrier VRF (variable refrigerant flow) heat recovery system proved to be the perfect choice for Harbour Lake's needs. With single-phase units available in multiple sizes, Toshiba Carrier VRF allowed Harbour Lake to upgrade their VTACs to a cutting-edge system without overhauling the resort's existing wiring. This—along with VRF's easy-install design—ensured the resort never missed a day of business throughout the process.

And the best part? VRF's heat recovery technology delivers dependable cooling in up to 122° F—while saving on energy costs. Perfect for those humid Florida days and nights.



The Results

Harbour Lake reported substantial improvements in the comfort of their villas, as well as instant energy savings. The resort also saw a 95% reduction in noise from the VRF outdoor units compared to the VTACs—helping guests sleep soundly during their stay and better enjoy their time by the pool. Based on these results, Harbour Lake is drafting plans to retrofit their entire property with Toshiba Carrier VRF.

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Customer Testimonial

"Thanks to Toshiba Carrier VRF, we will now have comfortable, quiet and mildew-free villas for our future guests. We cannot wait to install more units next year."

— Alfred Petti, Marriott's Harbour Lake Engineering Manager

For more information, contact your local Toshiba Carrier VRF representative.

carriervrf.com