



BOSCH



Case Study

Trump Palace Condominium

Location: Sunny Isles Beach, FL

Building: 278 condos

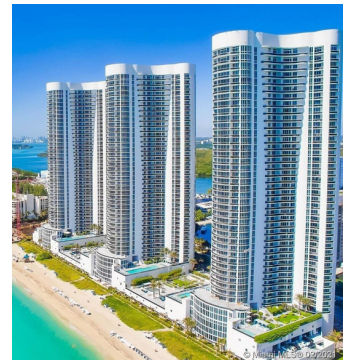
(each condo 1,168-2,143 ft²), 55 stories

Equipment: Bosch/FHP EC Models

Completion Date: June 2022

1. Project Background

Trump Palace is a luxury residential condominium tower located in Sunny Isles Beach, Miami. The oceanfront condominium is a 55-story high-rise, one of three identical 278 unit towers, sitting on 11-acres with unobstructed views of the Atlantic Ocean and intercoastal waterway. Constructed in 2008, Trump Palace features a 3-story atrium, restaurant and bar, fitness center, spa, and pool deck in each tower.



2. Installation Summary

Planning to renovate and upgrade their existing 175-ton ventilation system, the resort called on Florida Engineering Services, Jorda Mechanical, and Northrich Florida LLC due to their previous working relationship with the owner, mechanical contractor, and consulting engineer. Northrich Florida is a manufacturer's representative of high quality commercial and institutional HVAC equipment with a focus on energy savings and sustainable solutions. Working in conjunction with Bosch engineers, they designed a 100% outdoor air ventilation system utilizing seven EC300 units customized for the application.

Bosch engineers added enhanced features to the units, including series evaporators for deeper humidity removal, stainless steel cabinets for long lasting life even in the harsh coastal environment, Modulating Hot Gas Reheat (MHGRH) for precise Leaving Air Temperature Control, Variable Frequency Drives (VFD) for airflow balancing, and Direct Digital Controls (DDC) for advanced control and integration with a Building Management System (BMS).



The consulting engineer and mechanical contractor particularly valued the Take-A-Part construction option. This feature allowed them to maneuver the condensing and air handler sections through the building doorways and elevator lifts separately, a requirement due to the tight spaces leading to the mechanical room.

3. Conclusion

Engaging Northrich Florida LLC services, an experienced and local contracting firm, Trump Palace Condominium facility now has a simple, efficient, and a space saving solution, using Bosch/FHP highly efficient and compact water source heat pump equipment. By making Bosch/FHP its primary supplier, the condominium also saves time, cost, and the hassle of dealing with multiple vendors.



About Bosch

Bosch Group

The Bosch Group is a leading global supplier of technology and services in the areas of Automotive, Industrial Technology, Consumer Goods and Building Technology. The company was founded in Stuttgart, Germany, in 1886 and presently has more than 440 subsidiaries and is represented in over 150 countries.

In the U.S., Canada and Mexico, the Bosch Group manufactures and markets automotive original equipment and aftermarket solutions, industrial drives and control technology, power tools, security and communication systems, packaging technology, thermotechnology, household appliances and software solutions. The Bosch Group's products and services are designed to improving quality of life by providing innovative and beneficial solutions. In this way, the company offers technology worldwide that is "Invented for life." Additional information is available online at boschheatingandcooling.com and bosch.ca.

Bosch Thermotechnology in North America

Bosch Thermotechnology is a leading source of high quality water heating and comfort systems. The company offers gas tankless, electric whole house and point-of-use water heaters, Bosch and Buderus floor-standing and wall mounted boilers, Bosch and FHP geothermal, water-source and air-source systems as well as controls and accessories for all product lines. Bosch Thermotechnology is committed to being Simply Smart by offering products that work together as integrated systems that enhance quality of life in an ultra-efficient and environmentally friendly manner. For more information, visit boschheatingandcooling.com.

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