



CASE STUDY APPLICATION

HOTEL CORRIDOR REPLACEMENT

PRODUCT SPOTLIGHT

DEDICATED OUTDOOR AIR SYSTEM

When a corridor HVAC unit covering a high profile wing of a Boston, MA hotel failed, a Ruud Dedicated Outdoor Air System (DOAS) was the crucial solution to restore guest comfort.

A 3rd party split system failed in late July, the hottest part of the summer. The hotel faced disgruntled guests, expensive replacement components, costly service, and long lead times. A quick solution was imperative. Initially, the client planned to replace the unit altogether by integrating a supply heater with a 3rd party cooling package. However, a Ruud DOAS unit was proposed and pursued due to premium performance and reliability, simplified design and install (no split system integration), and a rapid lead time.

Performance data over three months since commissioning in mid-September reveal a successful outcome. While operating 24/7 at 100% outside air:

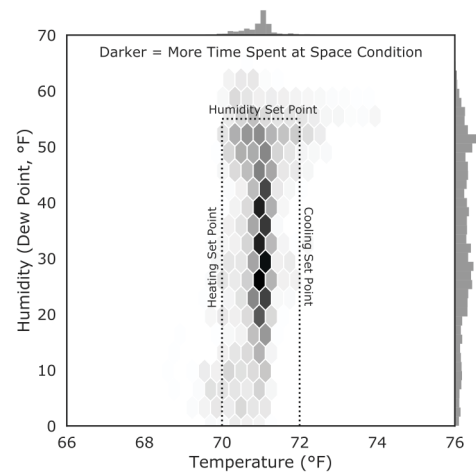
- Space temperatures always remained within 1°F of the set points
- Space humidity (dew point temperatures) did not exceed 3°F of the set point over 99% of the active cooling period

CONCLUSION

The Ruud DOAS solution demonstrated the key components of an optimal outcome: Premium quality, excellent application engineering, highly effective unit performance, and short lead times.

“Outstanding response of the sales team and factory on delivering new unit in a quick time frame.”

-HOTEL FACILITIES MANAGER



Space Conditions Relative to Set Points



Before



After

