

CASE STUDY APPLICATION:

Hotel Corridor Replacement

PRODUCT SPOTLIGHT:

Dedicated Outdoor Air System (DOAS)

RuppAir has long served a hotel in the Boston, MA area for kitchen ventilation needs. Recently, when a corridor HVAC unit covering a high profile wing of the hotel failed, RuppAir swiftly delivered a crucial HVAC solution: a Dedicated Outdoor Air System.

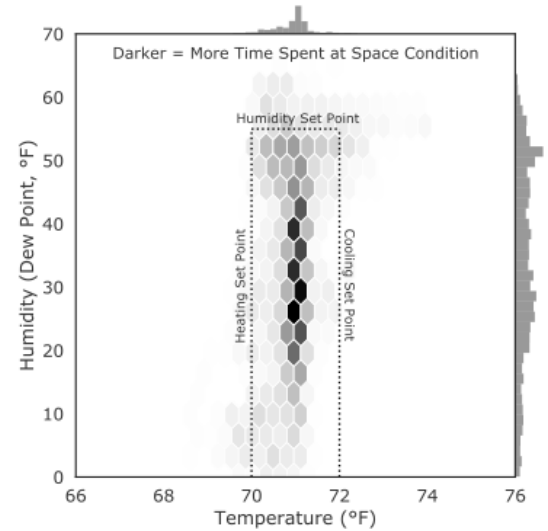
A 3rd party split system failed in late July, the hottest part of the summer. The hotel faced disgruntled guests, expensive replacement components, costly service, and long lead times. A quick solution was imperative. Initially, the client planned to replace the unit altogether by integrating a RuppAir supply heater with a 3rd party cooling package. However, a 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 DOAS solution demonstrated the key components of a RuppAir outcome: Premium quality, excellent application engineering, highly effective unit performance, and rapid lead times.



**Space Conditions
Relative to Set Points**



Before



After



DOAS Delivery Timeline

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

- Hotel Facilities Manager