



Sarasota Bradenton International serves over one million passengers a year.

Airport Reduces Annual HVAC Electrical Consumption by 28 Percent

DAIKIN DESIGN:

Chillers operating at the Sarasota Bradenton International Airport since its 1989 opening were nearing the end of their normal economic and operating life. Replacing those original chillers provided an opportunity to improve the efficiency, reliability, and sustainability of the airport's HVAC system.

Two 500-ton Daikin Magnitude® magnetic bearing chillers replaced the aging chillers. These chillers deliver industry-leading efficiency and sustainability. The reliability of these magnetic bearing chillers has been proven in more than 4,665 installations worldwide.

OUTCOME:

The energy efficiency of the Magnitude chillers reduced the terminal building's annual HVAC electrical consumption by 28 percent. The efficient performance of the chillers is sustainable over the life of the chillers because there is no oil contamination to degrade the refrigerant. Its performance also contributes to possible LEED® points. In addition, the Magnitude chillers use HFC-134a refrigerant with no ozone depleting potential.



Every day, around the world, over 4,665 installations in offices, data centers, schools, and hospitals are reaping the benefits of the proven Magnitude magnetic bearing chiller.



NAME:

Sarasota Bradenton International Airport

LOCATION:

Sarasota, FL, USA



FACILITY SIZE:

245,000 ft²



ISSUE:

Chillers nearing the end of their normal economic and operating life



SOLUTION:

(2) 500-ton Daikin Magnitude® chillers