



TriStar Skyline Madison Campus is nationally recognized for its innovative treatment programs for behavioral and chemical dependency

CASE STUDY

Healthcare Facility

Facility at a glance

Name

TriStar Skyline Madison Campus

Location

Madison, TN USA

Facility size

458 beds on two campuses

Issue

Use an innovative technology to contribute to the quality of the facility by replacing an inefficient chiller

Solution

Daikin Magnitude® 700-ton chiller

TriStar Skyline Madison Campus provides quality healing environment while reducing energy costs with Daikin Magnitude chiller

Issues

The TriStar Skyline Madison Campus is nationally recognized for its innovative treatment programs for behavioral and chemical dependency for patients ranging from adolescents to seniors to active duty soldiers. The HCA Corporate Engineering Team saw an opportunity to use an innovative technology to contribute to the quality of the facility by replacing an inefficient chiller with modern, magnetic bearing technology.

Solution

A Daikin 700-ton Magnitude Model WME chiller was selected by the HCA Corporate Engineering Team, working with Mechanical Resource Group, the Daikin representative in Nashville, and the Daikin National Accounts group, on the basis of energy efficiency and maintenance cost savings. The magnetic bearing compressor in the Magnitude chiller eliminates the oil management system and associated maintenance of typical centrifugal chillers.

Outcome

HCA Healthcare earned a \$30,900 rebate check from the Tennessee Valley Authority (TVA), the electrical utility, based on their energy savings with the Magnitude chiller's high efficiency in the Skyline Medical Center. HCA is so pleased with the chiller's performance that Mechanical Resource Group has used the facility as a showcase for other engineers in the community.



HCA Healthcare team members shown here with the rebate check from TVA are Brian Weldy, VP Facility Group Infrastructure Solutions (left), and Chris Prichard, Director of Engineering Programs (right).



The Magnitude chiller installed at the Skyline Madison Campus is the latest of the many Magnitude chillers that HCA has installed in its healthcare facilities around the country.