



The Energy Savings Rebate program makes energy-efficient products more accessible to people across Ontario.

22

High-Efficiency Chiller Achieves \$47,000 Energy Savings Rebate

ISSUE:

It's always a good thing to have someone in your corner. When the sales team at HTS in Kitchener, Ontario got the call to replace an aging chiller at a building owned by the Europro investment company, they relied on a local network of knowledge and support to help them get the job done right.

Europro purchased a number of buildings in downtown Kitchener and prioritized updating the facilities as one of the first orders of business. The Daikin team involvement came through the efforts of Jeff Dickson, President of Jade Logic Building Technologies and Project Manager for the Europro job. Jeff initiated this particular opportunity by contacting HTS to learn more about the benefits of Daikin's magnetic bearing oil-free chiller.

SOLUTION:

Daikin's Magnitude® magnetic bearing oil-free chiller was selected to meet the Ontario's Save On Energy program requirements. Magnetic bearing technology eliminates oil, mechanical seals, wear surfaces, and gears for longer machine life and increased reliability. Due to this technology, Magnitude is up to 40% more efficient than standard centrifugal chillers.

The Magnitude's technology was a significant contributor to this project's success, as well as the teamwork and efficiency of the many people involved. Daikin Applied Service, for instance, was instrumental in ensuring the timely and quality completion of this job. "The unique demands of this project made the reliable performance of the Daikin team all the more impressive," said HTS Sales Rep, Peter Washer. From splitting apart the unit to fit it inside the building, to working weekends to ensure the general public was undisturbed, Daikin's service team went above and beyond to create the best outcomes for the building and its occupants.



NAME:

Europro Office Building

LOCATION:

Kitchener, Ontario, Canada



AREA SERVED:

95,856 square feet



ISSUE:

Aging chiller needed replacement



SOLUTION:

Magnitude® magnetic bearing water-cooled chiller with an approximate \$47,000 rebate via Ontario's Save on Energy program.

SOLUTION (CONTINUED):

Washer added, "A lot of the success around this project deals with how quickly the chiller had to be installed given that everything had to be coordinated to work together in a very short window of time. That speaks to the Daikin team's commitment to providing superior service, as well as HTS and Jade Logic's ability to deliver success." Jade Logic exceeded expectations by implementing strong systems and solutions beginning from the design stage, to installation, and ongoing preventative maintenance. "At the end of the day, this team worked together to deliver a high-efficiency solution that resulted in a significant rebate [approximately \$47,000 via Ontario's Save on Energy program] and a very stable solution for our customer."

David Scida also emphasized the prioritization of the customer first and foremost throughout the entire duration of the project. "We did this job over a weekend to meet the need of our customer. Our plan got changed several times, but at the end of the day, everybody worked together to get it done," said Scida. "A lot goes unnoticed when you just walk into the room and see the new chiller. Part of the success was the teamwork, everybody pulling together and working through the battles to deliver success."



A single Daikin Magnitude WME chiller can save building owners up to \$4 million over the life of the chiller.

OUTCOME:

After an issue-free year with the new chiller, Europro has been very satisfied with the results of the Kitchener project. Washer notes, "We've had a lot of very positive comments about the project from the customer."

"From tight crane lifts and narrow time constraints, to the involvement of many different teams, this project presented a unique challenge that was met with an energy-efficient solution, leading to high customer satisfaction and a bonus rebate in the end," explained Scida.



"A lot goes unnoticed when you just walk into the room and see the new chiller. Part of the success was the teamwork, everybody pulling together and working through the battles to deliver success."

– David Scida, HTS

