



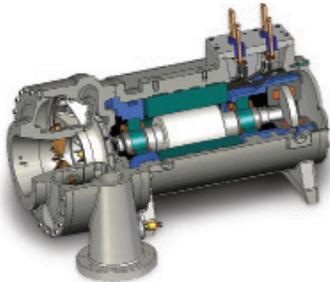
With over 3000 installations worldwide, the Daikin Magnitude is the performance leader in chiller technology.

## SPOTLIGHT

### Magnetic Bearing Technology

- Efficiency**  
Over 40% more efficient than standard efficiency chillers
- Reliability**  
Increased reliability by eliminating typical components such as oil pumps, oil filters, oil coolers, etc
- Sustained performance**  
Magnitude chillers don't need oil. Typical chillers can lose up to 15% performance due to oil contamination of heat transfer surfaces
- Maintenance**  
Reduced maintenance costs over traditional oil compressors

## Performance to save you millions of dollars over the life of your chiller



### Why magnetic bearing compressors are the right technology for today

To instill productivity and promote efficiency, commercial buildings today must feel as comfortable as they look. That's where Magnitude counts most. Magnitude magnetic bearing water cooled chillers are designed to create the ultimate in climate-controlled environments.

Because the Magnitude magnetic bearing chiller has fewer moving parts and requires no oil or oil circulation equipment, it requires less maintenance and service. Eliminating oil contamination in the refrigerant and heat transfer surfaces keeps your magnetic bearing chiller running at peak efficiency year after year.

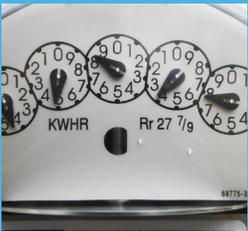
And you can hear the savings because the Magnitude chiller is quiet with sound pressure ratings as low as 76 dBA, tested according to AHRI Standard 575.

This quiet operation makes Magnitude ideal for sound sensitive environments such as schools, performance halls, museums, and condominiums.

### As reliable as they are efficient

- Oil-free design eliminates oil management systems for improved compressor and system reliability. The oil-free design also eliminates the possibility of efficiency-robbing oil contamination of heat-transfer surfaces.
- Integrated Variable Frequency Drive (VFD) reduces annual chiller operating costs during part load operation and/or low condenser water temperature conditions.
- Reduced in-rush current by utilizing a VFD; a gradual soft start that lessens mechanical and thermal stresses leading to increased motor life.
- Onboard digital controls to continuously monitor operating status and provide fault protections.

### Savings Summary



Year-over-year energy savings

**40%**  
more efficient than standard centrifugal chillers

**\$4 million**  
savings over the life of the chiller