

ENERGY & COST SAVINGS

ENSURING YOUR LONG-TERM PEACE OF MIND.

VALUE ADDED SERVICES

VFD RETROFIT

Daikin Variable-Frequency Drive Retrofits

ABOUT DAIKIN APPLIED ASIA & OCEANIA

Engineered for Performance and Flexibility

- Daikin Group is global leaders in the Air Conditioning sector.
- 96,000 employees globally.
- Over 100 Production manufacturing sites across the world.
- Providing technological solutions in more than 170 countries in the world.
- Daikin Applied Asia & Oceania is a subsidiaries under Daikin Industries Ltd Group ("Daikin") of companies.



DAIKIN APPLIED VALUE ADDED SERVICES



DAIKIN VARIABLE-FREQUENCY DRIVE RETROFITS

A VFD can ensure optimal chiller performance and maximum energy savings.

High-efficiency constant-speed chillers may struggle to match the performance of Variable-Frequency Drives (VFDs) under real-world operating conditions. VFDs ensure the chiller's motor starts slowly, never drawing more than 100% of its full load current, thereby reducing thermal stress on the motor windings and extending its lifespan.

EFFICIENT, LONG LASTING & ENERGY SAVING



BENEFITS

- Reduce annual energy costs by up to 30%
- Extend chiller life
- Automatically correct chiller power factor
- Reduce noise levels & CO2 emissions
- Quick payback in 1 to 3 years



FEATURES

- Compatible with Daikin constant speed centrifugal chillers
- "Soft-start" for reduced driveline wear
- Electrical protection against fluctuations
- Improved chilled water temperature control
- Integrated with Daikin Graphic Control
- Center for quick problem identification

DELIVERING MORE THAN JUST ENERGY SAVINGS

- Better Electrical Protection
- Longer Equipment Life
- Reduced Noise Levels
- Reduced Auxiliary Component Costs

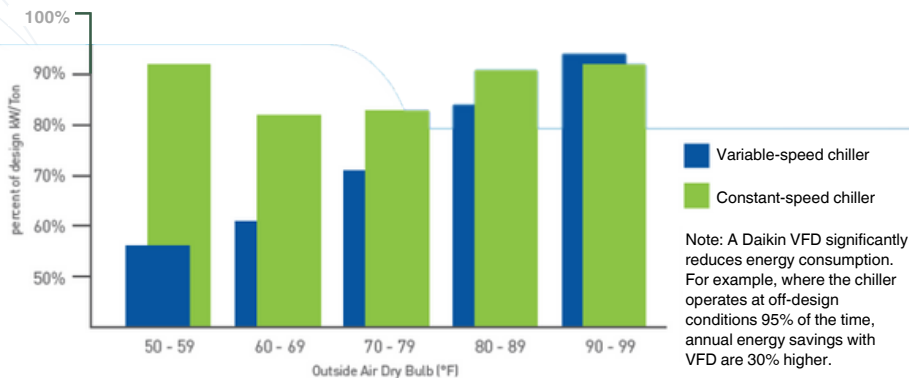
SMART CONTROL FOR PEAK PERFORMANCE

Its integrated control panel monitors multiple conditions, including chilled water temperature, setpoint, evaporator and condenser pressures, pre-rotation vane position, and motor speed.

Its advanced logic system learns and memorises surge lines for various conditions, optimizing motor speed and vane position to minimize energy consumption.

RAPID PAYBACK

With off-design energy savings accruing in nearly 99% of your chiller's operating hours, a VFD drive retrofit can pay back in just one to three years. Plus, you'll continue to benefit from consistent and substantial energy savings month after month and year after year.



Comparison between constant and variable-speed chillers

