



# OPTIMIZE YOUR CHILLER OPERATIONS WITH VFD UPGRADING

## Introduction

Suboptimal chiller operation leads to energy inefficiencies and increased operating costs. Carrier Commercial Service provides impactful solutions to improve chiller **partial load** efficiency by offering Variable Frequency Drive (VFD) upgrades for fixed and variable-speed chillers. Positively impact your bottom line today.





### How It Works


A Variable Frequency Drive is an electrical motor controller used to control the rotation speed of an alternating current (AC) electric motor by adjusting the frequency of the electrical power supplied to the motor.


This results in a corresponding frequency and voltage change in the motor's speed and torque output. By managing the magnetic flux of a motor, it enables improved speed control for ramping up a motor for **a smooth startup** and prevents a heavy load from straining the motor on startup with a **lower inrush current**.


## Key Benefits


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OPTIMIZED EFFICIENCY
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INCREASED ENERGY SAVINGS
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ENHANCED EQUIPMENT PERFORMANCE
- 

REDUCED INRUSH CURRENT
- 

EQUIPMENT LIFE EXTENSION WITH UPDATED CONTROLS
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POWER FACTOR IMPROVEMENT



Our team of Carrier experts can help you by providing a thorough assessment and analysis of your chiller plant. Trust us to make you feel confident in implementing a VFD **upgrade** which can significantly improve your current and future energy picture.

Reach out to your local Carrier representative for more information.



Carrier Global website:  
<https://www.carrier.com/carrier/en/worldwide/>