

# Variable Frequency Drives for Pumps and Fans

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## What is a Variable Frequency Drive (VFD)?

A VFD is a type of controller that drives an electric motor by varying the frequency and voltage of its power supply. A VFD also has the capacity to control ramp-up and ramp-down of the motor during start or stop. Installing VFDs on your pumps and fans can help save energy, which saves you money.

## Where do I purchase and install VFDs?

Our Preferred Distributors and Trade Allies are a valuable resource to help you understand all the benefits and cost savings associated with installing VFDs. You or one of our Trade Allies can purchase instantly discounted VFDs and install them around your operations schedule to minimize downtime.

## Are VFDs a costly upgrade?

This is an easy energy efficiency upgrade that can usually be covered by a maintenance budget and doesn't require a capital investment. It can also contribute to a large reduction in energy bills, which can be directly attributed and credited to the decision maker allowing the installation of these drives.

**Schedule a site assesment today:**

888-674-2770

[BusinessEnergyEfficiency@cmsenergy.com](mailto:BusinessEnergyEfficiency@cmsenergy.com)

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# Energy Savings Example:

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Installing a VFD on a hydronic pump, the system that pumps hot water around a building for space heating and AC reheat, can save your business thousands of dollars worth of energy:

- A common hydronic VFD is 20 horsepower (hp).
- List price is \$2,000 to \$4,000 depending on the drive.
- Receive an incentive of \$100/hp or \$2,000 per VFD.
- Additionally, we calculate an annual energy savings of \$4,400 reflected in your energy bill.
- See an immediate to six month return on investment.



## We Are Here to Help

Contact us to help you locate a Preferred Distributor at **888-674-2770** or visit **[ConsumersEnergy.com/StartSaving](https://www.consumersenergy.com/StartSaving)** to learn more.