



Variable Speed Drive Retrofit

Slow down those Towers, Pumps, Air Handlers and Chillers

Constant speed is a thing of the past. Your building operates at full load less than 5% of the time. Yet, constant speed equipment is running at full speed all the time. Doesn't it make sense to match your motor's speed to the actual building load and requirements?

Lower Utility Bills

When you match your motor's speed to actual cooling requirements you use significantly less energy. And, when you consider that your equipment operates at off-design conditions more than 95% of the time, the savings quickly add up, usually providing payback in less than two years.

Environmental Responsibility

Your building's HVAC system is its largest energy consumer. Variable Speed Drives can help lower energy consumption, reduce your carbon footprint and preserve the environment.

Additional Benefits

- **Longer Equipment Life:** Unlike constant speed equipment that use full-speed starts, variable speed drives allow for gradual ramp up to full power, resulting in less wear on the equipment's electrical system. Additionally, by operating at slower speeds, component wear is further reduced, resulting in lower maintenance costs and added reliability.
- **Quiet Operation:** In addition to energy savings, you'll notice that your equipment room is much quieter since the equipment's motor will run slower 95% of the time.

Professional Resources

Our highly technical and experienced representatives are geared to your budgetary and environmental concerns.

- **Experience:** Since 1990, we've installed hundreds of variable speed drives
- **Broad Skills:** From system design and enhancement to mechanical installation and maintenance
- **Engineering Expertise:** Our in-house design group can help determine if a VSD is right for you. Limbach engineers can estimate (up-front) the utility and operational savings you can expect from a VSD retrofit.

Commitment to Safety

Limbach is committed to a culture that provides an Incident and Injury Free (IIF) work environment. We believe that safety and production complement each other and are equally critical to achieving our corporate mission.

LIMBACH

Since 1901 *Consistently Exceeding Expectations*



Depend on a Leader

since 1901
consistently
exceeding
expectations

A history of excellence

For more than a Century Limbach has consistently exceeded our customer's expectations.

A true single source

From initial design to construction and ongoing maintenance, Limbach's comprehensive approach delivers projects on-time and on-budget, while accounting for long-term operation and maintenance requirements.

Service for the complete life cycle

- Design Build
- Building Automation
- Construction
- Commissioning
- Maintenance and Repair
- Predictive Analysis
- Facility Retrofits and Upgrades
- Equipment Replacements

Satisfaction Guaranteed

We serve many of the largest and most admired companies in the country, including Comcast, Aramark, Wachovia and the American Red Cross.



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**HARPER
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**WILLIARD
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