

## PSO Prescriptive Rebates - HVAC VFD Technical Requirements

### Application Requirements

- A rebate application must be submit for pre-approval before purchasing and installing equipment, when the project includes the installation of more than 125 total horsepower of VFDs.
- For projects that do not require pre-approval, a rebate application must be submitted within 60 days of the invoice date.

### Technical Requirements

- Rebates are for new VFDs on existing HVAC equipment only; used or refurbished equipment is not eligible.
- The replacement of failed VFDs or those installed in new construction also do not qualify.
- For chilled water and heating pump installations, at least 75% of pump capacity must be controlled by 2-way valves.
- VFDs must be controlled by an automatic signal in response to varying air or water flow.
- Controlled motors must operate a minimum of 2,000 hours per year.
- Published manufacturer’s information must be submitted with the application to demonstrate compliance for each of the following criteria:
  - 15 Millisecond Minimum Ride-through on the VFD Control at Full Load and No Inertia
  - Auto Restart
  - Flying Restart (Start into Rotating Motor, Speed Search)
  - Under Voltage Trip 85% or Less
  - Minimum 3% In Line Reactor or Equivalent (Choke, Isolation Transformer) Based on Drive Horsepower
  - 95% Minimum Drive Efficiency at Full Load and Full Speed
  - 0.95 Minimum Displacement Power Factor
  - Warranty of at least one year for parts

### Required Documentation:

- Customer signed Terms and Conditions
- Spec sheets of new equipment
- Itemized invoice, upon project completion

Submit the rebate application online: [www.psobusinessrebates.com](http://www.psobusinessrebates.com)

HVAC VFD Installation Type	HP of Motor	Rebate
Building Exhaust Fan	2	\$300
	3	\$400
	4	\$500
	5	\$650
Make-up Air Fan	7.5	\$1,000
HVAC Return Air Fan	10	\$1,300
	15	\$1,400
Heat Water Pump	20	\$1,850
	25	\$2,400
Cooling Tower Fan	30	\$2,800
	40	\$3,700
HVAC Supply Air Fan	50	\$4,600
	60	\$5,500
Chilled/Condenser Water Pump	75	\$7,000
	Over 100	\$90/HP
Water Source Heat Pump Circulator Loop	Over 200	Requires Custom Application

For more information, visit [PowerForwardWithPSO.com](http://PowerForwardWithPSO.com), or call 888.776.1366.