

# 2021 Variable Speed Drives for HVAC Fans & Pumps Rebate Application



6388 Maple Street, North Branch, MN 55056  
Phone (651) 674-7100

LIMITED FUNDING: Contact your local Utility to confirm rebate availability.

## CUSTOMER INFORMATION

Check here if you are applying for multiple Business Rebates and the information entered on this page is the same for all projects. If so, only one cover page needs to be completed and submitted with all rebate applications.

Location Name \_\_\_\_\_ Company Name \_\_\_\_\_

Mailing Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Installation Address (if different) \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Account Number \_\_\_\_\_

Type of Business:

- College     Elementary School     Grocery/Supermarket     Health     Hospital     Hotel/Motel     Manufacturing  
 Multifamily     Secondary School     Other/Miscellaneous     Office     Retail     Restaurant     Warehouse

Facility Size (ft<sup>2</sup>) \_\_\_\_\_

Occupancy:     Own     Rent/Lease

How did you hear about our rebates:     Contractor     Vendor/Retailer     Radio     TV  
 Utility Newsletter     Utility Representative     Utility Website     Utility Mail/Email  
 Newspaper Ad     Chamber of Commerce     Questline     Other

## CONTACT INFORMATION

Name \_\_\_\_\_

Phone \_\_\_\_\_ Email \_\_\_\_\_

I certify that the information on this application (and any associated worksheets) is correct and request consideration for participation in this program. I have read and agree to the terms and conditions on the reverse side of the application. I understand that if any equipment in conjunction with this application is ordered, purchased, or installed before approval from the Utility is received, the proposed project may not qualify for a rebate.

Customer Signature \_\_\_\_\_ Date \_\_\_\_\_

Project Status:     Completed     Not Started     In Process    Est. Project Completion Date \_\_\_\_\_

## CONTRACTOR INFORMATION

Company Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Contact Name \_\_\_\_\_

Phone \_\_\_\_\_ Email \_\_\_\_\_

### INTERNAL USE ONLY – PLEASE DO NOT WRITE IN THIS SPACE

Date Received: \_\_\_\_\_ Pre-Inspected?     Yes     No    Date: \_\_\_\_\_ Initials: \_\_\_\_\_

Post-Inspected?     Yes     No    Date: \_\_\_\_\_ Initials: \_\_\_\_\_

# 2021 Variable Speed Drives for HVAC Fans & Pumps Rebate Application



General Info					Variable Speed Drive								Rebate per VSD <sup>2</sup> (from Table 3)	Total Rebate (VSD Qty X Rebate per VSD)
Project Type Code (from Table 1)	Application Code (from Table 2)	Controlled Motor Quantity	Motor Size (HP)	Motor Efficiency (%)	VSD Size (HP)	Manufacturer	Model Number	Serial Number	VSD Qty	Annual Hours of Operation (see Table 2)	Estimated Installation Date <sup>1</sup>	VSD Cost		
												\$	\$	\$
												\$	\$	\$
												\$	\$	\$
												\$	\$	\$
												\$	\$	\$
												\$	\$	\$
												\$	\$	\$

**Total Rebate Amount \$ \_\_\_\_\_**

**TABLE 1 – Project Type Codes**

Project Type	Code
New VSD on a new motor <sup>3</sup>	New
New VSD on an existing motor	Retrofit
New VSD to inventory for future installation	Inventory

<sup>3</sup> The following new construction VSD installations **are not** eligible for rebates:

- VAV fan units ≥ 7.5 HP without variable pitch fan blades
- Heat rejection fans ≥ 7.5 HP
- Non-multi-stage hydronic pumping systems with a design output > 300,000 Btuh

**TABLE 2 – Application Codes & Guidelines for VSD Hours**

VSD Application	Code	Estimated Hours
<b>PUMPS:</b>		
Chilled Water Pump	P1-14	2170
Condenser Water Pump	P2-14	2170
Heating Hot Water Pump	P3-14	4959
<b>FANS:</b>		
Cooling Tower Fan	F1-14	1032
Constant Volume (no flow control)	F2-14	5236
Backward Curved/Airfoil Fan with Inlet Guide Vanes	F3-14	5236
Forward Curved Fan with Discharge Dampers	F4-14	5236
Forward Curved Fan with Inlet Guide Vanes	F5-14	5236
Unknown HVAC Fan Type	F6-14	5236

**NOTES:**

<sup>1</sup> For inventoried drives only, please insert estimated installation date code:  
A=2-12 months; B=12-24 months; C=over 24 months

<sup>2</sup> Incentives are based on the horsepower of the controlled motor or VSD, whichever is less. For VSDs that control multiple motors, incentive is based on the lesser of the horsepower of the VSD or the sum of the horsepower of the connected motors.

Drives on HVAC fans and pumps larger than 200 HP, or on equipment other than fans and pumps may be eligible for a rebate through our Custom High-Efficiency Rebate Program.

**TABLE 3 – VSD Rebate Schedule**

Lesser of Motor or VSD HP	1	1.5	2	3	5	7.5	10	15	20	25	30	40	50	60	75	100	125	150	200
<b>New or Retrofit</b>	\$400	\$400	\$400	\$400	\$600	\$750	\$1000	\$1250	\$1600	\$2000	\$2400	\$3000	\$3500	\$4000	\$5000	\$6000	\$7000	\$7000	\$8000
<b>Inventory</b>	\$200	\$200	\$200	\$200	\$300	\$375	\$500	\$625	\$800	\$1000	\$1200	\$1500	\$1750	\$2000	\$2500	\$3000	\$3500	\$3500	\$4000

# TERMS AND CONDITIONS

## 1. ELIGIBILITY

Rebates are available to non-residential customers of the Utility. All products must be in use in facilities in the Utility service territory. The applicant shall be an end-user (i.e., not a variable speed drive wholesaler, distributor, or installer) of either commercial or industrial variable speed drives.

## 2. APPLICATION PERIOD

The program is offered January 1 through December 31 of the respective calendar year. Due to limited funding, this rebate offer can be withdrawn at any time without notice, and is available on a first-come, first-serve basis. All projects must be pre-approved by the Utility to qualify for a rebate.

## 3. INSPECTION AND VERIFICATION

The Utility reserves the right to inspect the Customer's facility through on-site visitations before and after new equipment installation or inventory to verify rebate eligibility.

## 4. INSTALLATION AND REBATE AMOUNTS

Qualifying variable speed drives installed and operational within two (2) months of the date of purchase are eligible for rebate under the NEW or RETROFIT rebate schedule. Additional time may be granted subject to the Utility's pre-approval. Qualifying variable speed drives being used for replacement of on-site inventory are eligible for rebate under the INVENTORY rebate schedule. Incentives will be based on the horsepower of the controlled motor or the VSD, whichever is less. For VSDs that control multiple motors, incentive is based on the lesser of the horsepower of the VSD or the sum of the horsepower of the connected motors. In no case will the rebate paid by the Utility exceed the purchase price of the equipment. The maximum rebate amount may be limited. Variable speed drives that qualify for Utility rebates under other Utility programs are not eligible for a rebate payment under this program.

## 5. INVOICE AND PAYMENT

When the purchase is completed, the Customer must notify the Utility and submit original invoices specifying the quantity and price of all materials purchased, the date ordered, installation costs, and applicable taxes. After satisfactory review of the invoices and on-site verification, a rebate check will be issued to the Customer. Please allow 60 days from the date of on-site inspection for delivery of payment.

## 6. EQUIPMENT ELIGIBILITY REQUIREMENTS

To be eligible for a rebate, the variable speed drive installation must meet the following conditions:

- a.) Rebates are limited to HVAC fan and pump installations. Variable speed drives larger than 200 horsepower and installations on other motor-driven machinery, constant torque loads, and hydraulic pumping may qualify for an incentive through our Custom High-Efficiency Rebate Program. VSDs used only as a soft-start are not eligible for a rebate.
- b.) The fan or pump does not require a drive as a standard mode of operation.
- c.) The drive must contribute energy savings in normal operation.
- d.) The drive must vary motor speed automatically.
- e.) The drive must have a true power factor of 0.90 or greater.
- f.) VSD's can cause waveform disturbances on the power lines. Therefore, a line reactor between the power source and the drive must be included. The reactor rating should be as recommended by the VSD supplier but not less than 3 percent impedance of the VSD rating.

The following new construction VSD installations **are not** eligible for rebates:

- VAV fan units greater than or equal to 7.5 horsepower without variable pitch fan blades.
- Heat rejection fans greater than or equal to 7.5 horsepower.
- Non-multi-stage hydronic pumping systems with a design output greater than 300,000 Btuh.

## 7. TAX INFORMATION

The Utility will not be responsible for any tax liability imposed as a result of the rebate payment(s). Customers are advised to consult their tax advisors for detail. Customers must submit the appropriate Tax ID or Social Security Number on the application form.

## 8. DISCLAIMER

The Utility does not guarantee that the implementation of energy-efficient measures or use of the equipment purchased or installed pursuant to this program will result in energy or cost savings. The Utility makes no warranties, expressed or implied, with respect to any equipment purchased or installed including, but not limited to, any warrant of merchantability or fitness for purpose. In no event shall the Utility be liable for any incidental or consequential damages. Customers are solely responsible for the proper disposal of existing equipment. Consult the Minnesota Pollution Control Agency (MPCA) for details at (800) 657-3864.

**9. ENDORSEMENT**

The Utility does not endorse any particular vendor, manufacturer, product, or system in promoting this rebate program. Listing a vendor or product does not constitute an endorsement, nor does it imply that unlisted vendors or products are deficient or defective in any way.