Variable frequency/speed drives:

VALUE FOR YOUR BUSINESS

Most motors turn at nearly constant speed. They are designed to operate most efficiently at their horsepower (hp) rating. However, sometimes the work motors need to perform is less than the maximum design speed. You can save energy by only using the power you need from a motor. This speed reduction can be accomplished with either a Variable Frequency Drive (VFD) or Variable Speed Drive (VSD).

VFDs and VSDs vary the frequency of the Alternating Current (AC) power. The motor speed varies in proportion to the drive operated frequency.

Rebates are not available for replacement VFDs or VSDs, soft starts, power factor correction or harmonic correction applications.

HOW DOES IT WORK?

The rebates are available for new drives. Drives must be tied to an automated control system and have a true power factor of .90 or greater.

Approved applications of VFDs/VSDs include:

- HVAC fans
- Pumps
- Cooling towers
- Process equipment
- Industrial fans

The VFD/VSD will be evaluated in conjunction with the equipment operating efficiency and loading. The rebate is based on the rated controlled horsepower or horsepower of the motor, whichever is lowest.

Fractional Horsepower Motors

Replacing inefficient shaded pole or permanent split capacitor motors with fractional horsepower motors can help you consume less wattage. On average, they run 75% more efficiently.

In addition to significant energy cost savings, they deliver:

- 1. Quieter operation
- 2. Less energy consumption
- 3. Reduced heat load
- 4. Longer equipment lifespan

WHO CAN PARTICIPATE?

Any commercial building or business retrofitting an old standard motor can qualify. New or retrofit motors qualify.

CONTACT US AND START SAVING TODAY

If you have any questions or need assistance in making these savings a reality for your business; please contact your local energy expert at Runestone Electric.



Rebate Application

BUSINESS WEWDER INFURIWATION		
Business Name		
Installation Address		
City	State	ZIP
Contact Name		Account #
Email		Phone
REBATE RECIPIENT		
To release the rebate incentive check to an alte specify an alternative mailing address and author Please Send Rebate to (check one): Business Member Alternative Reci	orize with a signature	the cooperative business member, the member must below.
Recipient Name		
Mailing Address		
City	State	ZIP
Contact Name		
APPLICATION CHECK LIST		
☐ Rebate application with signature		
☐ Itemized project invoices (labor & materials)		
☐ Equipment specifications		
acknowledges that nothing contained in the appli	ram have been followe cation imposes any lia engineer, contractor,	consible for the accuracy of the information ed and the installation is complete. The undersigned ability on the cooperative for the work performed and or vendor. The undersigned also authorized payment o
Rebate applications due no later than the third	Friday in November.	
MEMBER SIGNATURE		
Member Signature		Date



Rules & Information

WARRANTY INFORMATION

Rebate qualifications do not imply any representation or warranty of such equipment, design or installation by the cooperative. The cooperative shall not be responsible or liable for any personal injury or property damage caused by this equipment. The cooperative does not guarantee that a specific level of energy or cost savings will result from the implementation of energy conservation measures or the use of products funded under this program. In no event shall the cooperative be liable for any incidental or consequential damages.

GENERAL PROGRAM RULES

- 1. Installation must be complete before application is submitted and funds are issued.
- 2. Members and vendors must submit itemized equipment invoices, rebate application, and manufacturer equipment specifications. To ensure that the equipment installed meets the cooperative's performance standards, these invoices must itemize labor charges, quantity and price of the equipment installed, as well as information regarding the manufacturer and model numbers for all equipment included in the rebate.
- 3. The cooperative reserves the right to conduct random inspections of installations.
- 4. Rebates must be applied for within 12 months of invoice date.
- 5. Project must comply with all program specific rules and qualifications.
- 6. The member is responsible for checking with the cooperative to determine funding availability and to verify program parameters.

DRIVES – VARIABLE FREQUENCY (VFDS) & VARIABLE SPEED

- 1. Rebates apply to new drive installations only. Replacement drives do not qualify for a rebate.
- 2. Rebates apply to drives in systems that:
 - Are tied to an automated control system
 - Have a Power Factor of .90 or greater
- 3. Approved application include:
 - HVAC fans
 Cooling towers
 Industrial fans
 - PumpsProcess equipment
- 4. Applications not eligible for the prescriptive program (but can be evaluated under other programs):
 - Chillers
 VFDs greater than 200 hp
 - Refrigeration compression Irrigation (see Agricultural programs)
- 5. Non-approved applications may be submitted for evaluation through the Custom Rebate Program. The drive will be evaluated in conjunction with the equipment operating efficiency and loading. Additional applications not approved for drive rebates include soft-start, power-factor correction or related equipment.
- 6. Rebates are based on the rated VFD controlled horsepower or horsepower of motor, whichever is lower.
- 7. ECM or DC motors with controls for speed regulation also qualify for the VFD rebate on a cumulative HP basis as long as all other requirements are met.

FRACTIONAL HORSE POWER MOTORS

- 1. Rebates are available for new or retrofit motor installations. Rewound or repaired motors do not qualify.
- 2. Retrofit motor rebates are available only if an existing fractional AC motor of comparable size is replaced. Replacement of existing ECM or brushless DC motors do not qualify.
- 3. Rebates apply to motors from 1/64 hp to 3/4 hp.
- 4. The nameplate of the new motor must clearly state the efficiency in order to qualify for rebates.
- 5. Motors greater than 3/4 hp must be evaluated through the Custom Rebate Program.
- 6. Motors controlled to vary speed depending on load conditions may qualify for the a variable speed rebate of \$30/ cumulative HP under the VFD prescriptive rebate..

Equipment & Rebate Information

FRACTIONAL HP MOTORS

1/64 - 1/16 HP (11 - 48 watt) Motors - Rebate \$5/Motor

End Use	Manufacturer & Model	Type	RPM	Eff %	Operating Hrs	Quantity	Rebate

1/15 - 1/6 HP Motors - Rebate \$10/Motor

End Use	Manufacturer & Model	Type	RPM	Eff %	Operating Hrs	Quantity	Rebate

1/5 - 3/4 HP Motors - Rebate \$15/Motor

End Use	Manufacturer & Model	Туре	RPM	Eff %	Operating Hrs	Quantity	Rebate

^{*} DC - brushless direct current motor, ECM - electronically commutated motor

Rebate Information

Project Cost	
Rebate	



Equipment & Rebate Information

VFDS & VSDS

Application	Manufacturer	Model	Operating Hrs*	HP	Quantity

^{*}Please provide operating hours/year if application is selected as "other"

Rebate Information

Project Cost	
\$30 per Horsepower	