

# Efficient Product Rebates

## Commercial VFD Rebate Guide

The following table lists the rebates available for energy efficient Variable Frequency Drive (VFD) technologies. For more information please visit our website [efficiencyns.ca/business](http://efficiencyns.ca/business).

If your utility bill is less than \$3,800 monthly and you have not yet purchased your products, your business may qualify for rebates in addition to those listed here.

**To qualify for a rebate, the VFD will be used in one of the following applications:**

### HVAC

- Supply Fan
- Return Fan
- Exhaust Fan
- Make-up Air Fan
- Cooling Tower Fan
- Boiler Draft Fan ( $\leq 10$  hp)
- Chilled Water Pump
- Condenser Pump
- Boiler Feed Water Pump
- Hot Water Circulating Loop Pump

### Non-HVAC

- Fan
- Pump

## Variable Frequency Drives (VFD)

Motor Horsepower (hp) Controlled	Requirements	Rebate
1 - 5 hp	<ul style="list-style-type: none"><li>• Applications up to 100 hp are eligible for rebates (up to 10 hp for boiler draft fans).</li><li>• VFDs controlled automatically by differential pressure flow or temperatures are eligible for rebates.</li><li>• VFDs must be new and not replacing existing VFDs.</li><li>• Redundant (back-up) systems are not eligible for rebates.</li><li>• VFDs that control forward-curve fans with inlet guide vanes or variable pitch vane-axial fans are not eligible for rebates.</li><li>• Must operate at least 2,000 hours per year.</li></ul>	\$750
> 5 hp - 10 hp		\$1,200
> 10 hp - 100 hp		\$100 / hp

**Related Measures:** Booster Pump Systems with VFDs rebates can be found in the [Commercial Pumping Rebate Guide](#).

# Efficient Product Rebates After You Buy

Complete this application if your business has purchased and installed qualifying products within the last 90 days.

## Business Information

<b>Business Name:</b>	
<b>Business Contact Name:</b>	<b>Position:</b>
<b>Phone:</b>	<b>Fax:</b>
<b>Contact Email:</b>	
<b>Mailing Address:</b>	
<b>City/Town:</b>	<b>Postal Code:</b>
<b>Address where products were installed (if different from above):</b>	
<b>City/Town:</b>	<b>Postal Code:</b>

## Installation Information

<b>Is this project?</b> <input type="checkbox"/> <b>New Construction</b> <input type="checkbox"/> <b>Existing Building Retrofit</b>
<b>Date Products Installed:</b>
<b>Company Installing Products:</b>
<b>Installer Contact Name and Title:</b>
<b>Installer Phone:</b>
<b>Installer Email:</b>

<b>Without any assistance from Efficiency Nova Scotia, would you:</b>		
Install any energy efficient equipment?	<input type="checkbox"/> <b>Yes</b>	<input type="checkbox"/> <b>No</b>
Install significantly less energy efficient equipment?	<input type="checkbox"/> <b>Yes</b>	<input type="checkbox"/> <b>No</b>
Postpone the installation of equipment by more than two years?	<input type="checkbox"/> <b>Yes</b>	<input type="checkbox"/> <b>No</b>

## How would you like your rebate?

<input type="checkbox"/> <b>Direct Deposit</b>	Attach a void cheque or a direct deposit form from your bank to have your rebate deposited directly into your account.
<input type="checkbox"/> <b>Cheque</b>	Complete the information below to have your rebate sent to you as a cheque.
<b>Make cheque payable to:</b>	

**Please note:** Rebates cannot be made payable to personal banking accounts.

## Where would you like your cheque sent?

<input type="checkbox"/> <b>Company Address</b>	<input type="checkbox"/> <b>Facility Address</b>	<input type="checkbox"/> <b>Other (please fill below)</b>
<b>Mailing Address:</b>		
<b>City/Town:</b>		<b>Postal Code:</b>

By checking below, you agree to the terms and conditions, [www.energycyns.ca/business/consent](http://www.energycyns.ca/business/consent) and confirm the account information provided is complete and accurate. If you check "I Agree" and you have not read the terms, then you are still agreeing to be bound by the terms.

☐ **I Agree**

**Name:** \_\_\_\_\_

**Title:** \_\_\_\_\_

### Complete your application

**Send the following documents with your application.**  
**Check each box once you enclose each item.**

- ☐ This fully completed rebate application
- ☐ An official detailed invoice (see [invoice guidelines](#) for what's required)
- ☐ Completed worksheet(s) for the products you installed;
- ☐ A copy of a recent electric bill

Send your fully completed application and all required documents to:

#### Email:

rebates@energycyns.ca  
(please note that we cannot accept high-risk attachments such as ZIP, EXE or files that exceed 10MB).

#### Fax:

902 470 3599  
Attention: Rebates

#### Mail:

Efficiency Nova Scotia  
230 Brownlow Avenue  
Suite 300  
Dartmouth, NS B3B 0G5  
Attention: Rebates

# Efficient Product Rebates

## Commercial VFD Rebate Worksheet

For assistance in completing this Commercial VFD Rebate Worksheet please refer to the [Commercial VFD Rebate Guide](#).

To receive your rebates, enter the product details in the table(s) below. To prevent unnecessary delays in the processing of your application, please complete all of the information requested.

### General Business Information:

Hours of operation

	Open	Close
MON		
TUES		
WED		
THURS		
FRI		
SAT		
SUN		

Are there times of the year when your business is non-operational?

No

Yes - general holidays

Yes - seasonal shutdown

Yes - for other reasons

Explain:

Explain:

NOTES:

### Instructions

1. Review the criteria on the following [Commercial VFD Rebate Guide](#) to verify that your selected products qualify for rebates.
2. If products are eligible, complete the Commercial VFD Rebate Worksheet.
3. Attach completed Commercial VFD Rebate Worksheet to the rest of your application.

# VFD for HVAC Application Types

## Product 1

<b>Application Type:</b>	Supply Fan	Chilled Water Pump	Return Fan
	Condenser Pump	Boiler Draft Fan	Make-up Air Fan
	Boiler Feed Water Pump	Cooling Tower Fan	Exhaust Fan
	Hot Water Circulating Loop Pump		
<b>VFD Control Input:</b>	Differential Pressure	Differential Temperature	
	Differential Flow	Other:	
<b>Annual Runtime Hours:</b>		<b>Installation Location:</b>	
<b>Motor Nameplate HP*:</b>		<b>Motor Nameplate Efficiency*:</b>	
<b>Quantity:</b>			

## Product 2

<b>Application Type:</b>	Supply Fan	Chilled Water Pump	Return Fan
	Condenser Pump	Boiler Draft Fan	Make-up Air Fan
	Boiler Feed Water Pump	Cooling Tower Fan	Exhaust Fan
	Hot Water Circulating Loop Pump		
<b>VFD Control Input:</b>	Differential Pressure	Differential Temperature	
	Differential Flow	Other:	
<b>Annual Runtime Hours:</b>		<b>Installation Location:</b>	
<b>Motor Nameplate HP*:</b>		<b>Motor Nameplate Efficiency*:</b>	
<b>Quantity:</b>			

## Product 3

<b>Application Type:</b>	Supply Fan	Chilled Water Pump	Return Fan
	Condenser Pump	Boiler Draft Fan	Make-up Air Fan
	Boiler Feed Water Pump	Cooling Tower Fan	Exhaust Fan
	Hot Water Circulating Loop Pump		
<b>VFD Control Input:</b>	Differential Pressure	Differential Temperature	
	Differential Flow	Other:	
<b>Annual Runtime Hours:</b>		<b>Installation Location:</b>	
<b>Motor Nameplate HP*:</b>		<b>Motor Nameplate Efficiency*:</b>	
<b>Quantity:</b>			

\*We accept photographs of the Motor Nameplate as a substitute for completing the fields above. Please ensure the picture quality allows details on the nameplate to be legible.

## VFD for non-HVAC Application Types

<b>Application Type:</b>	Fan	Pump
<b>Fan Baseline Control Type:</b>	No Control or Bypass Damper Discharge Dampers Inlet Damper Box Inlet Vane Dampers Eddy Current Drives	Outlet Damper, Backward Inclined & Airfoil Fans Inlet Guide Vane, Backward Inclined & Airfoil Fans Outlet Damper, Forward Curved Fans Inlet Guide Vane, Forward Curved Fans Unknown Control Type
<b>Pump Baseline Control Type:</b>	No Control Bypass Valve	Throttling Valve Unknown Control Type
<b>Annual Runtime Hours:</b>		<b>Installation Location:</b>
<b>Motor Nameplate hp:</b>		<b>Motor Nameplate Efficiency*:</b>
<b>Quantity:</b>		<b>Motor Load Factor (%):</b>

Enter Percentage of Runtime at Each Speed or Flowrate**:	
Speed or Flow (%)	Duty Cycle (%)
10%	
20%	
30%	
40%	
50%	
60%	
70%	
80%	
90%	
100%	

\*We accept photographs of the Motor Nameplate as a substitute for completing the fields above. Please ensure the picture quality allows details on the nameplate to be legible.

\*\*If Duty Cycle is unknown, leave blank and choose:

**Medium Load** - If system will be operating between 40% and 70% speed/flow for over 50% of the time.

**Low Load** - If system will be operating below 70% speed/flow for over 95% of the time.