

ROTARY-SCREW AIR COMPRESSOR WITH VSD

Save your business money by replacing your standard rotary-screw air compressor with a compressor that has a variable speed drive (VSD)—with help from Seattle City Light.

Standard rotary-screw air compressors—commonly used for operating machinery, spray painting, and sand blasting in businesses such as laundries, printing presses, auto body shops and small manufacturers—are inefficient. Switch to a compressor with VSD for significant savings on your electric bill.

Decrease noise

New VSD rotary-screw compressors can be significantly quieter than older compressors, making for a more pleasant and safer work environment.

Get an incentive payment

We'll pay \$0.27 per kilowatt hour, up to 70% of the project cost, for switching to a rotary-screw air compressor with VSD. For small compressors, under 34 HP, you'll get an incentive based on estimated first-year energy savings. For larger compressors, we'll perform pre- and post-metering analyses to calculate projected energy savings to determine your incentive.

QUESTIONS?
(206) 684-3800
CONTACT AN
ENERGY ADVISOR

**Seattle City Light
will pay up to 70%
of project cost for
upgrading to an
energy efficient
VSD rotary-screw
air compressor.**

Lower your electric bill

A rotary-screw compressor with a VSD adjusts the speed to match the load, so it uses up to 50% less electricity than a standard rotary-screw compressor. For example, replacing a standard 30 horsepower (HP) rotary-screw compressor with a VSD can save an estimated \$4,680 or more per year on your electric bill.

The amount of your energy savings, and therefore your incentive, will depend on factors such as the horsepower rating of your air compressor and how many hours a day you operate the unit.



ESTIMATED SAVINGS

TECHNOLOGY	ESTIMATED ANNUAL ENERGY USE	ESTIMATED ANNUAL ENERGY COST
Standard rotary-screw compressor 30 HP	113,045 kWh	\$9,043
Rotary-screw compressor with VSD 30 HP	54,545 kWh	\$4,364
Estimated Annual Savings	58,500 kWh	\$4,680

Chart assumes both air compressors are operating at one-half of full cubic feet per minute (CFM) capacity for 5,000 hours per year. Estimated annual energy cost is based on an average rate of 8¢ per kWh.

How to get your incentive

- 1 Call the Energy Advisors at (206) 684-3800.
- 2 City Light will evaluate your project and estimate your energy savings.
- 3 Secure approval prior to equipment purchase or installation.
- 4 Proceed with installation, gather invoices and contact City Light when work is complete.



Seattle City Light is dedicated to delivering customers affordable, reliable and environmentally responsible electricity services.