

COMBINATION FURNACE



ATCO™

WHY ATCO?

ATCO serves customers around the world, delivering integrated products and services across the energy, housing, transportation and infrastructure industries.

At home, we provide safe, reliable natural gas to more than 1.1 million customers in nearly 300 Alberta communities.

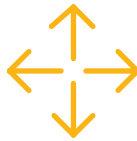
ATCO is the right choice for you, if you want:

- Innovative, high-efficiency energy solutions
- Reduced carbon footprint and lower greenhouse gas (GHG) emissions
- Sound technical expertise and over 100 years of industry knowledge
- A company you can count on

WHAT IS A COMBINATION FURNACE?

Combining furnace and tankless hot water heating into one high-performing appliance, this unit is the ideal heating solution for multi-family and single-family residential projects, including new builds, renovations, and appliance replacements.

BUILDING YOUR HOMES WITH A COMBI FURNACE



Save Space

Eliminate space traditionally needed for water heater; smaller mechanical rooms provide more living space



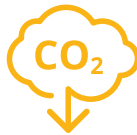
Easy-to-Install

Cheaper to install – simple, single-appliance installation process reduces contractor time



Reduce Operating Costs

Homeowners save ~45% annually compared to an electric hot water tank



Reduce Carbon Output

Reduce GHG emissions by ~30% annually compared to an electric hot water tank



Warranty

5-year manufacturer's warranty on all parts; 10-year warranty on heat exchanger



Support Local

Designed and made in Canada

FURNACE OPTIONS TO FIT WIDE RANGE OF PROJECT NEEDS

- Multiple furnace heating/cubic feet per minute (CFM) capacities available
- Compatible with next generation low-carbon technologies like mCHP, geothermal, solar thermal and natural gas heat pumps

AVAILABLE ADD-ONS

- Internal domestic hot water (DHW) recirculation pump kit
- Variable speed motor blower to support high-velocity ducting

WATER CONNECTION FLEXIBILITY

- Any direction – bottom, front, back, left or right side pipe connections

ONE CONCENTRIC PVC VENT FOR ENTIRE HEATING SYSTEM

- Reduce building envelope perforations
- Streamline side-wall gas venting and minimize clearance issues

SUPERIOR WATER HEATING PERFORMANCE

- High turn-down, dual pass stainless steel heat exchanger
- 192,000 <-> 19,000 BTU/hr burner capacity
- 4.8 GPM (288 GPH) output at 77 °F temp rise

INDUSTRY LEADING EFFICIENCY

- 0.97 EF | .95 UEF water heater efficiency, ENERGY STAR certified



THE TECHNOLOGY

This space-saving technology is designed to deliver high-performance comfort to homes year-round, as both furnace and water heating functions provide best-in-class features compared to stand alone traditional furnace and water heating appliances.

Height: 38"

Depth: 37"

Width: 17.5" – 24"
(dependent on model)



Approx. the same height as a typical furnace

COST COMPARISON (Annually)

	ELECTRIC DHW TANK/GAS FURNACE	COMBI FURNACE
WATER HEATER OPERATING COST	\$597	\$118
FURNACE OPERATING COST	\$472	\$472
TOTAL OPERATING COSTS	\$1,069	\$590
ANNUAL SAVINGS		\$479 (45%)
LIFETIME SAVINGS (15 YEARS)		\$7,185

EMISSIONS COMPARISON (Annually)

TOTAL GHG EMISSIONS	7.7 tonnes	5.4 tonnes
ANNUAL GHG REDUCTION		2.3 tonnes (30%)

Cost assumptions: Based on 2,000 sq. ft. home in Alberta that consumes 80GJ/yr for space heating and 20GJ/yr for DHW heating. Assumes \$0.10/kwhr for electricity, \$5.6/GJ for natural gas.

Emission assumptions: Annual space heat requirement average estimated at 80GJ/yr and 20GJ/yr for DHW heating. The Alberta Government future electrical grid GHG factor of 0.00057t/kWh was used for related electric consumption. The Alberta natural gas GHG emission factor of 0.051t/GJ has been used for related gas consumption.

ONE COMPANY, INFINITE POSSIBILITIES

With diverse products and services across many industries, we are a one-stop provider of integrated energy, housing, transportation and infrastructure solutions.

We provide customers with innovative, sustainable solutions in the sectors that are fundamental to global growth and prosperity: housing, real estate, energy, water, transportation and agriculture. From the delivery of efficient and reliable energy for homes, businesses and communities, to affordable temporary and permanent buildings, we build communities, energize industries and deliver customer-focused solutions like no other company in the world.

For more information, reach out to us at:

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