

CANADA
Residential Catalogue



www.hotwatercanada.ca



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Innovation Has A Name

The story is all in the details. Every water heater that bears the A. O. Smith name has a reputation to live up to, one that we've earned through decades of innovations. As an industry leader, we constantly look for new materials and develop new technologies to improve energy efficiency. Even if it's as basic as a valve, we want to make sure every component passes the "best test". So, when you choose an A. O. Smith residential water heater, whether it's gas, electric, or hybrid, you can be confident that you are getting the best water heating solution regardless of the application—for today and for years to come. Innovation has a name . . . A. O. Smith.





ENERGY STAR®

A. O. Smith offers a variety of models that are ENERGY STAR qualified. Learn more at <http://oee.nrcan.gc.ca>



DynaClean™ II Automatic Sediment - Cleaning System

Automatic self-cleaning action greatly reduces sediment accumulation and maximizes hot water output.



PEX Dip Tubes

A. O. Smith's PEX cross-linked polymer dip tubes are long-lasting with superior resistance to destructive thermal oxidation. Standard on all gas and electric models.



Durable, Tamper-Resistant Brass Drain Valve

Reliable, quality brass drain valve with "screw-slot" head to help prevent valve opening by curious youngsters. Standard on most residential gas and electric models.



T&P Relief Valve

Every temperature and pressure relief valve is factory installed.



CoreGard™ – Advanced Anode Rod Protection

The anode rod is a highly effective corrosion fighting system which utilizes cathodic action to protect internal tank surfaces from corrosive elements. CoreGard adds a stainless steel core to magnesium anode rods.



Self-Powered Electronic Gas Valve

Series 300 A. O. Smith atmospheric vent and Series 200 A. O. Smith direct vent gas water heaters are equipped with a self-powered electronic gas valve with intelligent control logic. The gas valve has an internal microprocessor that provides enhanced operating parameters and tighter differentials for precise sensing and faster heating response to optimize performance. The gas valve uses a thermopile to generate the power needed for operation without the need for an external power source. It also includes an LED Status Indicator that monitors system operation and service diagnostics.



Heat Trap Nipples

Help manage standby heat loss. Factory installed on most models.

Innovative A. O. Smith water heaters are FVIR compliant

A. O. Smith's 30, 40, 50, 60 and 65 gallon standard atmospheric gas and 40, 50, 60 and 75 gallon Power Vent, Direct Vent, Power Direct Vent and gas water heater models all meet "Flammable Vapour Ignition Resistant" (FVIR) requirements for the ANSI Z21.10.1-CSA 4.1 Standards associated with the accidental ignition of flammable vapours outside the water heater. A. O. Smith's FVIR compliant design provides an advanced level of protection and the industry's most contractor-friendly product.

Residential Gas



NEXT Hybrid® High-Efficiency Gas

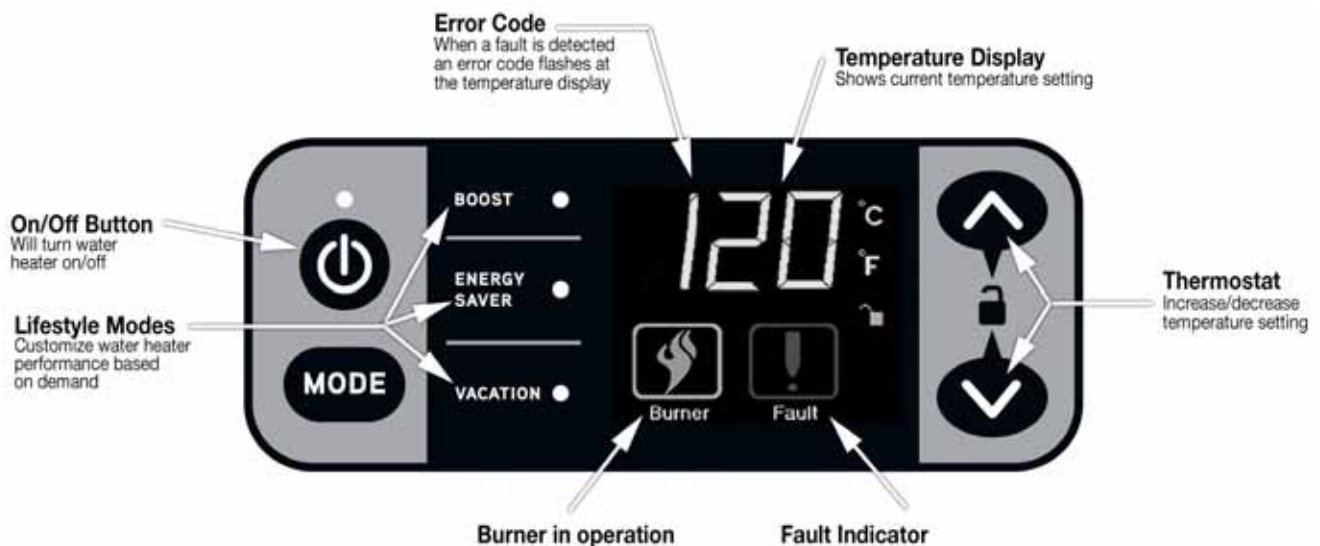
NEXT Hybrid is the new milestone in water heating — built for the way people ACTUALLY live and use hot water. The product combines the best features of tankless and conventional technologies to create a new category of water heating.

- Patented circulation system delivers 90% thermal efficiency, ensuring maximum heat transfer, saving money on operating costs compared to a standard 78% efficient conventional or 84% tankless gas water heater
- 189-Gallon First Hour Delivery provides continuous hot water shower after shower when properly sized for your home
- Energy-Saver, Vacation and Boost modes allow for simple, one-touch customization based on specific hot water needs
- User-friendly integrated Temperature Controller with LED display allows for easy temperature adjustment
- Easy installation — utilizes a standard 1/2 inch gas connection found in most homes today and the same 3/4 inch water connections as conventional tank-type models
- Power vent design
- Can be vented with ULC s636 approved PVC or CPVC pipe for venting
- 6-year limited tank and heat exchanger warranty and 6-year limited parts warranty

MODEL NUMBER	INPUT BTU PER HOUR	FIRST HOUR RATING (GALLONS)	RECOVERY @ 90°F RISE (GPH)	ELECTRICAL CHARACTERISTICS		DIMENSIONS IN INCHES			VENT CONNECTION	BC COMPLIANT
				VOLTS/Hz	AMPERES	HEIGHT	WIDTH	DEPTH		
HYB 90N	100,000	189	121	120/60	2.5	47-3/8	23-3/4	32	2 or 3	√



*Available for natural gas only



4.3 GPM continuous flow, based on 65°F inlet water temperature and 110°F outlet water temperature.



Family-Friendly Hot Water, Earth-Friendly Efficiency

Through an inspired blend of innovation, efficiency and years of industry expertise, A. O. Smith has created a state-of-the-art product that provides a long-lasting supply of hot water during those times when everyone in your home needs it most. Simply put, Vertex delivers.

Vertex™ Power Vent

- Fulfills homeowners' needs during peak demand periods
- 90% Thermal efficiency
- Vents with ULC s636 approved PVC or CPVC pipe
- Fully submerged coil heat exchanger maximizes heat transfer
- Advanced electronic gas control
- Easy installation
- Versatile power vent design
- 127-gallon first hour delivery
- Available for Natural Gas only
- 92-gallon recovery @ 90°F rise
- Recirculating side taps for combination systems
- Two heavy-duty commercial-grade anodes for better protection against corrosion
- Intelli-Vent™ gas control for precise water temperature control
- 6-year limited tank and parts warranty

MODEL NUMBER	SERIES	CAPACITY (GALLONS)	INPUT BTU PER HOUR	FIRST HOUR RATING (GALLONS)	RECOVERY @ 90°F RISE (GPH)	DIMENSIONS IN INCHES		BC COMPLIANT
						HEIGHT	DIAMETER	
GPHE 50	100	50	76,000	127	92	70-5/8	22	√



Inlet and outlet connections: 3/4" male
Circulation loop connections: 3/4" female



Vertex™ 100 Power Direct Vent

- 96% Thermal efficiency
- Vents up to 128 feet using ULC s636 approved PVC or CPVC pipe for venting
- Advanced electronic diagnostics control
- iCOMM™ compatible and can be monitored from remote locations. Call 1.888.WATER02 for more information
- 164-gallon first hour delivery
- 129-gallon recovery @ 90°F rise
- Top-fired burner
- Available for Natural Gas or Propane (LP) gas
- 6-year limited tank and parts warranty



MODEL NUMBER	SERIES	CAPACITY (GALLONS)	INPUT BTU PER HOUR	FIRST HOUR RATING (GALLONS)	RECOVERY @ 90°F RISE (GPH)	DIMENSIONS IN INCHES		BC COMPLIANT
						HEIGHT	DIAMETER	
GDHE 50	124/125	50	100,000	164	129	66-3/4	22	√



Residential Gas



Effex® High-Efficiency

The exclusive and patented pressurized combustion system features an advanced air intake blower, enabling the Effex to deliver superior efficiency. Much like a turbo charger, the blower promotes an optimum air-to-gas mixture, and pushes exhaust gases through the highly restrictive flue baffle. The end result is the most efficient atmospheric gas product on the market with a .70 Energy Factor (EF).

- .70 Energy Factor
- ENERGY STAR® qualified
- Powered anode
- LCD user interface
- Electronic ignition
- FVIR compliant design
- Advanced technology
- 6-year limited tank and parts warranty
- Available for Natural Gas only
- Certified for altitudes up to 10,100 ft.

MODEL NUMBER	SERIES	CAPACITY (GALLONS)	INPUT BTU PER HOUR	ENERGY FACTOR	FIRST HOUR RATING (GALLONS)	RECOVERY @ 90°F RISE (GPH)	DIMENSIONS IN INCHES			BC COMPLIANT
							HEIGHT TO TOP OF DRAFT HOOD	DIAMETER	DRAFT HOOD OUTLET	
GAHH 40	102	40	40,000	.70	70	43	61-3/4	20	3 or 4	√
GAHH 50	100	50	40,000	.70	81	43	60-5/8	22	3 or 4	√





High-Efficiency Atmospheric Vent

- ENERGY STAR® qualified
- Increases efficiency as the damper automatically opens and closes, reducing heat loss while in standby mode
- Intelligent control logic provides enhanced operating parameters and tighter differentials for precise sensing and faster heating response to optimize performance
- LED status indicator for improved system monitoring and service diagnostics
- Operates with an automatic pilot relight system that shuts off the pilot during standby modes to reduce gas consumption and eliminates nuisance pilot outage issues associated with standing pilot models
- Plugs into standard 110/120V outlet (10 foot, 24-volt power cord included)
- Durable, tamper-proof brass drain valve
- DynaClean™ diffuser dip tube - reduces lime and sediment buildup
- 8-year limited tank and 6-year limited parts warranty

MODEL NUMBER	SERIES	CAPACITY (GALLONS)	INPUT BTU PER HOUR NATURAL	ENERGY FACTOR	FIRST HOUR RATING (GALLONS)	RECOVERY 90°F RISE (GPH)	DIMENSIONS IN INCHES		DRAFT HOOD OUTLET (IN)	APPROX. SHIPPING WEIGHT (LB)	BC COMPLIANT
							HEIGHT	DIAMETER			
TALL MODELS											
GCF 40	100/101	40	40,000	.67	67	42	64-1/4	20	3 or 4	152	√
GCF 50	100/101	50	40,000	.67	81	42	63-1/2	22	3 or 4	167	√
SHORT MODELS											
GCFL 40	100/101	40	40,000	.67	67	42	54	22	3 or 4	149	√
GCFL 50	100	50	40,000	.67	81	42	55-3/4	24	3 or 4	183	√

50 Gallon short model - Available for natural gas only.



Residential Gas



ProMax® + Plus High Recovery

- Highest recoveries and first hour ratings – capacity/input combinations up to 98 gallons / 75,100 BTU produce recoveries up to 81 gallons per hour, with deliverable hot water up to 150 gallons in the first hour
- “Flammable Vapour Ignition Resistant” (FVIR) compliant design
- DynaClean™ diffuser dip tube – reduces lime and sediment buildup
- Advanced PEX cross-linked polymer dip tube lasts longer than standard polymer dip tubes
- Piezo ignitor on FVIR-compliant models for easy, “no-match” pilot ignition
- CoreGard™ anode rod with stainless steel core provides added protection against tank corrosion
- CSA Certified and ASME Rated T&P relief valve
- Durable, Tamper-resistant brass drain valve
- 8-year limited tank and 6-year limited parts warranty

MODEL NUMBER	SERIES	CAPACITY (GALLONS)	INPUT BTU PER HOUR NATURAL	ENERGY FACTOR	FIRST HOUR RATING (GALLONS)	RECOVERY @ 90°F RISE (GPH)	DIMENSIONS IN INCHES			BC COMPLIANT
							HEIGHT*	DIAMETER	DRAFT HOOD OUTLET	
GCVT 40	300/301	40	50,000	.60	75	51	61-3/4	20	4	---
GCVT 50	300/301	48	50,000	.58	90	51	60-7/8	20	4	---
GVRT 60	100/101	60	52,200	.58	104	53	62-3/4	24	4	√
GCVT 60	100/101	60	52,200	.56	104	53	62-3/4	22	4	---
GCV 65	100/101	65	65,000	.57	116	67	65	24	4	---
FCG 75L**	300/301	74	75,100	N/A	N/A	81	61	26-1/2	4	---



ProMax® + Plus High-Efficiency

- “Flammable Vapour Ignition Resistant” (FVIR) compliant design
- 2 Inch “Environmentally-Friendly non-CFC foam insulation reduces standby heat loss
- DynaClean™ diffuser dip tube – reduces lime and sediment buildup
- Advanced PEX cross-linked polymer dip tube lasts longer than standard polymer dip tubes
- Piezo ignitor on FVIR-compliant models for easy, “no - match” pilot ignition
- CoreGard™ anode rod with stainless steel core provides added protection against tank corrosion
- CSA Certified and ASME Rated T&P relief valve
- Durable, tamper- resistant brass drain valve
- 8-year limited tank and 6-year limited parts warranty

*Height to top of draft hood.
**Not equipped with FVIR.

MODEL NUMBER	SERIES	CAPACITY (GALLONS)	INPUT BTU PER HOUR NATURAL	ENERGY FACTOR	FIRST HOUR RATING (GALLONS)	RECOVERY @ 90°F RISE (GPH)	DIMENSIONS IN INCHES			BC COMPLIANT
							HEIGHT*	DIAMETER	DRAFT HOOD OUTLET	
GVR 40	300/301	40	40,000	.62	70	41	61-3/4	20	3 or 4	√
GVR 40	300/301	40	40,000	.62	67	41	51-1/2	22	3 or 4	√
GVR 50	300/301	50	40,000	.62	88	41	61	22	3 or 4	√

*Height to top of draft hood.





ProMax®

Series 300/301:

- Intelligent control logic
- Self-Powered electronic gas valve
- Diagnostics
- “Flammable Vapour Ignition Resistant” (FVIR) compliant design
- DynaClean™ diffuser dip tube – reduces lime and sediment buildup
- Piezo ignitor on FVIR-compliant models for easy, “no-match” pilot ignition
- Advanced PEX cross-linked polymer dip tube lasts longer than standard polymer dip tubes
- CoreGard™ anode rod with stainless steel core provides added protection against tank corrosion
- Durable, Tamper-resistant brass drain valve
- CSA Certified and ASME Rated T&P relief valve
- 8-year limited tank and 6-year limited parts warranty

MODEL NUMBER	SERIES	CAPACITY (GALLONS)	INPUT BTU PER HOUR NATURAL	ENERGY FACTOR	FIRST HOUR RATING (GALLONS)	RECOVERY @ 90°F RISE (GPH)	DIMENSIONS IN INCHES			BC COMPLIANT
							HEIGHT*	DIAMETER	DRAFT HOOD OUTLET	
GCV 30	300/301	30	35,500	.61	67	36	61-1/2	16	3 or 4	---
GCVL 30	300/301	30	35,500	.61	60	36	50	18	3 or 4	---
GCV 40	300/301	40	40,000	.59	70	41	61-3/4	18	3 or 4	---
GCVL 40	300/301	40	40,000	.59	66	41	51-1/2	20	3 or 4	---
GCV 50	300/301	50	40,000	.58	88	41	60-3/4	20	3 or 4	---
GCVL 50	100/101	50	40,000	.61	93	41	53-1/4	24	3 or 4	√

*Height to top of draft hood.



Specialty Vent

Specialty vent gas water heaters are an alternative to standard metal vent water heaters. They provide venting flexibility in replacement applications and offer useful choices for location of gas water heaters in new homes. Specialty-vent benefits include:

Flexible Installation – Horizontal venting options allow tremendous flexibility for placement of the water heater in the home. A. O. Smith's ProMax® power vent and power direct vent models offer various venting options and use ULC s636 approved PVC or CPVC or polypropylene (Power Direct Vent & Power Vent).

Direct-venting for proper combustion – Insufficient indoor ventilation can deprive a gas water heater of enough air for proper operation. The power direct vent and direct vent water heaters have “two-pipe” systems that vent to and draw air from outside the home, eliminating concerns about indoor air quality.



ProMax® Power Direct Vent

- ENERGY STAR® qualified
- Exceeds energy efficiency standards
- Exclusive TankSaver® design to prolong tank life
- Low-profile design is ideal for replacement applications
- Conveniently located T&P and drain valve for serviceability
- Maintains air quality as no indoor air is required for combustion
- Great for tight space installations
- Can be vented with ULC s636 approved PVC or CPVC or polypropylene up to 50 equivalent feet, horizontally through the wall or vertically through the roof
- Auto-reset temperature switch monitors vent temperature
- 8-year limited tank and 6-year limited parts warranty

MODEL NUMBER	SERIES	CAPACITY (GALLONS)	INPUT BTU PER HOUR NATURAL	ENERGY FACTOR	FIRST HOUR RATING (GALLONS)	RECOVERY @ 90°F RISE (GPH)	DIMENSIONS IN INCHES			BC COMPLIANT
							HEIGHT TO TOP OF BLOWER	OVERALL DEPTH	VENT CONN.	
GPDF 40	102/103	40	40,000	.67	72	43	59-1/2	25-3/8	2 or 3	√
GPDF 50	102/103	50	40,000	.67	87	44	68-1/2	25-3/8	2 or 3	√
GPDL 50*	100	50	65,000	.67	114	72	69-3/4	25-3/8	3	√



* Available for Natural Gas only.



ProMax® Power Direct Vent (Large Capacity)

- Two-pipe “closed combustion” system permits combined horizontal and vertical venting and air intake runs up to 45 feet (including one 90° elbow)
- Vents using ULC s636 approved PVC or CPVC pipe for venting
- Quiet modular blower, with 110V / 120V electrical system (rating 3 amps or less), with 6-foot cord, standard 3-prong male connector
- Advanced Intelli-Vent™ gas control valve with silicon nitride hot surface ignitor
- Heat trap nipples factory-installed (3/4” male connection)
- CoreGard™ anode rod with stainless steel core provides added protection against tank corrosion
- CSA Certified and ASME Rated T&P relief valve
- Durable, tamper-resistant brass drain
- 8-year limited tank and 6-year limited parts warranty

MODEL NUMBER	SERIES	CAPACITY (GALLONS)	INPUT BTU PER HOUR NATURAL	ENERGY FACTOR	FIRST HOUR RATING (GALLONS)	RECOVERY @ 90°F RISE (GPH)	DIMENSIONS IN INCHES			BC COMPLIANT
							HEIGHT	DIAMETER	VENT CONN.	
GPD 75	100/101	75	70,000	.58	130	72	71-1/2	26-1/4	3	√



Intelli-Vent™ is a registered trademark of Emerson Electric Company.

For further detailed information on warranties and technical specifications, visit www.hotwatercanada.ca to view and download specifications.



ProMax® Power Vent

The ProMax® Power Vent water heaters have been re-engineered for increased efficiency and to deliver a greater energy factor (EF).

- ENERGY STAR® qualified
- Dynaclean™ II dip tube optimizes inlet water pressure to minimize cold water regions within the tank, and deliver more hot water. The self-cleaning action also reduces sediment accumulation on the bottom of the tank
- Hot-surface ignitor is more robust and reliable than standing pilot, and reduces energy consumption
- Built-in heat traps on the water inlet and outlet reduce the amount of heat lost through piping
- 2" foam insulation reduces the amount of heat loss and contributes to overall energy efficiency
- All models feature an exclusive 3-position rotatable blower outlet for installation flexibility
- Combined horizontal and vertical vent runs up to 180 equivalent feet with 4" diameter venting (ULC s636 approved PVC or CPVC or polypropylene)
- All models are equipped with a protected sensor that detects the presence of flammable vapours and automatically disables the unit to prevent ignition
- Air intake snorkel elevates the inlet location of combustion air to prevent flammable vapours from entering the sealed combustion chamber
- State-of-the-art electronic gas control provides more precise temperature control
- LED control light displays operation status and diagnostics information
- Factory-installed T&P and a durable, tamper-resistant brass drain valve are positioned for service accessibility
- All models rated for installation at altitudes up to 10,100 ft.
- 8-year limited tank and 6-year limited parts warranty

MODEL NUMBER	SERIES	CAPACITY (GALLONS)	INPUT BTU PER HOUR NATURAL	ENERGY FACTOR	FIRST HOUR RATING (GALLONS)	RECOVERY @ 90°F RISE (GPH)	DIMENSIONS IN INCHES			BC COMPLIANT
							HEIGHT*	DIAMETER	VENT CONN.	
GPVL 40	200/201	40	40,000	.70	73	45	59	22	2, 3 or 4	√
GPVT 40	200/201	40	50,000	.70	90	56	68-1/2	20	2, 3 or 4	√
GPVL 50	200/201	50	40,000	.70	90	45	60-1/8	24	2, 3 or 4	√
GPVT 50	200/201	50	50,000	.70	96	56	68-1/8	22	2, 3 or 4	√
GPVX 50L	200/201	50	62,000	.70	110	69	61-1/8	24	3 or 4	√
GPVL 60	200/201	60	42,000	.70	106	47	67-1/4	24	3 or 4	√
GPVX 75L	200/201	75	72,000	.68	155	80	70-5/8	26	3 or 4	√

*Height to top of blower outlet.



Residential Gas



ProMax® Direct Vent Side Loop (SL)

- One-pipe/dual-channel system permits horizontal venting and air intake on all models up to 80 inches from outside wall
- No electrical power needed
- Heat trap nipples factory-installed (3/4" male connection)
- Dual-channel vent system – draws combustion air from outside, vents to outside the home
- Piezo ignitor on FVIR-compliant models for easy, “no-match” pilot ignition
- CoreGard™ anode rod with stainless steel core provides added protection against tank corrosion
- CSA Certified and ASME Rated T&P relief valve
- No electrical power required
- Durable, tamper-resistant brass drain valve
- 8-year limited tank and 6-year limited parts warranty

MODEL NUMBER	SERIES	CAPACITY (GALLONS)	INPUT BTU PER HOUR NATURAL	ENERGY FACTOR	FIRST HOUR RATING (GALLONS)	RECOVERY @ 90°F RISE (GPH)	DIMENSIONS IN INCHES			BC COMPLIANT
							HEIGHT*	DIAMETER	VENT CONN.	
GDV 40L	200/201	37	38,000	.60	73	37	68	22-1/4	Co-Axial	---
GDVT 50L	200/201	50	50,000	.58	88	55	76	22-1/4	Co-Axial	---
GDV 75L	200/201	75	55,000	.57	131	60	76	26-1/4	Co-Axial	---



*Height to the 90° vent termination.

Tankless Innovation

A. O. Smith's complete line of tankless gas water heaters

Trust the innovation leader to give you more choices in tankless water heating. The comprehensive line of A. O. Smith tankless water heaters supplies endless hot water (when properly sized for your application) at preset temperatures. All residential models are ENERGY STAR® qualified and feature improved flow rates. Condensing models provide the highest energy efficiency, saving money in both residential and commercial applications.

Innovative Technology

- Condensing models feature 316L stainless steel secondary heat exchanger, providing additional protection against corrosion
- Increased flow rates provide continuous hot water (up to 10.0 GPM)
- Improved scale-reduction software
- Whole house water heating solution
- All models include internal freeze protection and multiple safety features
- Direct vent conversion kits available

Excellent Performance

- Complete range of models from 140,000 to 199,000 BTU to suit most residential applications
- Residential warranty: 15-year limited warranty on heat exchanger / 5-year parts
- Models ATI 510 and ATI 540H are also suitable for light duty commercial applications and can Easy Link up to 4 units

Energy Efficiency

- All residential models are ENERGY STAR® qualified
- Condensing models provide the highest energy efficiency with 0.95 EF (Energy Factor)



Non-Condensing Models

MODEL NUMBER	BTU INPUT NATURAL/PROPANE		ENERGY FACTOR	HOT WATER OUTPUT (GPM)			DIMENSIONS IN INCHES		
	MINIMUM	MAXIMUM		MAXIMUM	45°F RISE	70°F RISE	HEIGHT	WIDTH	DEPTH
ATI 110	19,500	140,000	.82	6.6	5.1	3.3	20-1/4	13-3/4	7-3/4
ATI 310	11,000	190,000	.82	8.0	6.9	4.4	20-1/4	13-3/4	8-1/2
ATI 510	11,000	199,000	.83	10.0	7.2	4.7	20-1/4	13-3/4	8-1/2



Models listed above include factory-installed power cord and temperature remote control.

Residential Gas

Condensing Models



MODEL NUMBER	INPUT BTU PER HOUR		ENERGY FACTOR	HOT WATER OUTPUT (GPM**)			DIMENSIONS IN INCHES		
	MINIMUM	MAXIMUM		MAXIMUM	45°F RISE	70°F RISE	HEIGHT	WIDTH	DEPTH
ATI 240H	15,000	160,000	.95	6.6	6.6	4.4	22-1/2	17-3/4	10-3/4
ATI 340H	13,000	180,000	.95	8.0	7.8	4.7	22-1/2	17-3/4	10-3/4
ATI 540H	13,000	199,000	.95	10.0	8.0	5.4	22-1/2	17-3/4	10-3/4



15-150 psi Water Pressure. 40 psi or above recommended for maximum flow.
 **Current numbers based on factory testing; 0.4 GPM required for continuous fire after initial ignition

MATCH THE UNIT TO YOUR NEEDS

Number of showers each A. O. Smith unit can handle, depending on ground water temperature

Cooler Climates
 40°F Incoming Groundwater Temperature

110	2 Showers	
240H	2 Showers	
310	2 Showers	
340H	3 Showers	
510	3 Showers	
540H	4 Showers	

Assuming the outgoing temperature is 105°F - Assuming a standard showerhead of 2.5 GPM

FLOW RATE GUIDE

Temperature Rise vs. Gallons Per Minute

Temp Rise	110	240H	310	340H	510	540H
30	6.6	6.6	8.0	8.0	10.0	10.0
35	6.6	6.6	8.0	8.0	9.3	10.0
40	5.7	6.6	7.8	8.0	8.1	9.5
45	5.1	6.6	6.9	7.6	7.2	8.4
50	4.6	6.1	6.2	6.8	6.5	7.6
55	4.2	5.5	5.7	6.2	5.9	6.9
60	3.8	5.1	5.2	5.7	5.4	6.3
65	3.5	4.7	4.8	5.3	5.0	5.8
70	3.3	4.3	4.4	4.9	4.7	5.4
75	3.1	4.1	4.1	4.6	4.3	5.0
80	2.9	3.8	3.9	4.3	4.1	4.7
85	2.7	3.6	3.7	4.0	3.8	4.4



Voltex® Hybrid Electric Heat Pump Water Heaters

Voltex® Hybrid water heaters are the most versatile, energy-efficient option for the consumer who is looking to go green and save some green. Voltex can provide the same amount of hot water as a conventional electric water heater at less than half the cost.

- Energy Star® qualified
- Energy saving heat pump technology can reduce operating costs by more than 50%
- Increased storage allows heat pump to operate more frequently, boosting savings
- Environmentally-friendly R134a refrigerant
- Multiple operating modes to optimize savings & performance
- Water temperature set point range 95°F to 150°F (35°C to 66°C), with tamper resistant safety lock
- Advanced diagnostics convey error messages – stores last four error messages
- Maintenance free powered anode protects the tank from corrosion in any water conditions
- Easy-to-remove, washable air filter
- Long lasting incoloy backup heating elements
- 2 Inch “Environmentally-friendly” non-CFC foam Insulation reduces standby heat loss
- 10-Year limited tank and parts warranty

MODEL NUMBER	SERIES	CAPACITY (GALLONS)	ENERGY FACTOR BY MODE			FIRST HOUR RATING BY MODE (GALLONS)			STANDARD VOLTAGE	NO. OF ELEMENTS	STANDARD INPUT (KW) UPPER/LOWER	DIMENSIONS IN INCHES		BC COMPLIANT
			EFFICIENCY	HYBRID	ELECTRIC	EFFICIENCY	HYBRID	ELECTRIC				HEIGHT	DIAMETER	
PHPT 60	100	60	2.40	2.33	.88	51	68	66	240	2	4500/2000	67-1/3	24-1/2	√
PHPT 80	100	80	2.30	2.33	.85	70	84	76	240	2	4500/2000	81-1/2	24-1/2	√



240 VAC Single phase power, 25 amp breaker

Residential Electric



ProMax®

A terrific value for homes that need an economical water heater that will perform exceptionally well for years.

- Top and Bottom Entry models available
- Thick, "Environmentally-Friendly" Non-CFC foam insulation reduces standby heat loss
- DynaClean™ diffuser dip tube reduces lime and sediment buildup
- Durable, tamper-resistant brass drain valve
- CSA Certified and ASME rated T&P relief valve
- Factory-installed heat trap nipples (3/4" male connection)
- 8-year limited tank and 6-year limited parts warranty

MODEL NUMBER	SERIES	CAPACITY (GALLONS)	ELEMENT WATTAGE		FIRST HOUR RATING (GALLONS)	STANDBY LOSS (WATTS)	DIMENSIONS IN INCHES		BC COMPLIANT
			WATTS	VOLTS			HEIGHT	DIAMETER	
TOP ENTRY									
EPSX 50	200	50	3000	208	60	57	48-3/4	22	√
EPSX 50	200	50	3000	240	60	57	48-3/4	22	√
ECS 50	210	50	3000	208	60	66	48	21-1/2	-
ECS 50	210	50	3000	240	60	66	48	21-1/2	-
ECS 50	210	50	3800	240	60	66	48	21-1/2	-
EPSX 50	200	50	4500	208	60	57	48-3/4	22	√
EPSX 50	200	50	4500	240	60	57	48-3/4	22	√
ECS 50	210	50	4500	208	60	66	48	21-1/2	-
ECS 50	210	50	4500	240	60	66	48	21-1/2	-
EPSX 50	200	50	6000	208	60	57	48-3/4	22	√
EPSX 50	200	50	6000	240	60	57	48-3/4	22	√
ECS 50	210	50	6000	208	60	66	48	21-1/2	-
ECS 50	210	50	6000	240	60	66	48	21-1/2	-
ECT 80	200	80	3000	208	81	78	60-1/2	24	√
ECT 80	200	80	3000	240	81	78	60-1/2	24	√
ECT 80	200	80	3800	240	81	78	60-1/2	24	√
ECT 80	200	80	4500	208	81	78	60-1/2	24	√
ECT 80	200	80	4500	240	81	78	60-1/2	24	√
ECT 80	200	80	6000	208	81	78	60-1/2	24	√
ECT 80	200	80	6000	240	81	78	60-1/2	24	√
BOTTOM ENTRY									
EJSH 50	100	50	3000	240	60	66	48	22	√
EJSH 50	100	50	4500	208	60	66	48	22	√
EJTH 80	100	80	4500	208	81	82	60-1/2	24	√
EJTH 80	100	80	4500	240	81	82	60-1/2	24	√



For further detailed information on warranties and technical specifications, visit www.hotwatercanada.ca to view and download specifications.



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*A. O. Smith reserves the right to make product changes
or improvements at any time without notice.*