



# Residential Gas Condensing High Efficiency Tankless Water Heaters

## FEATURES

**ULTRA-LOW NO<sub>x</sub> CONDENSING TECHNOLOGY PROVIDES 0.93 ENERGY FACTOR (EF)**

**COMPLIES WITH CALIFORNIA SCAQMD RULE 1146.2 AND OTHER AIR QUALITY MANAGEMENT DISTRICTS WITH SIMILAR NO<sub>x</sub> EMISSION REQUIREMENTS OF 14 ng/J OR 20 PPM**

**OPERATES ON 1/2" GAS LINE WITH STANDARD GAS PRESSURES**

### DURABLE HEAT EXCHANGERS

- Copper Primary Heat Exchanger
- Secondary Heat Exchanger is made of Marine Grade Type 316L Stainless Steel to protect against corrosion

**CONTINUOUS MAXIMUM FLOW RATES UP TO 6.6 GPM**

**ENERGY STAR® QUALIFIED**

**AVAILABLE IN NATURAL GAS OR PROPANE (LP)**

**ATI-140 & ATO-140 CAN BE USED IN RESIDENTIAL HOT WATER AND HEATING APPLICATIONS (CHECK LOCAL CODES)**

**ELECTRONIC IGNITION - NO PILOT LIGHT**

**INDOOR MODEL - INCLUDES A BUILT-IN TEMPERATURE CONTROLLER AND ADVANCED DIAGNOSTICS TO SIMPLIFY TROUBLESHOOTING**

**OUTDOOR MODEL - INCLUDES A WALL MOUNT TEMPERATURE REMOTE CONTROLLER AND ADVANCED DIAGNOSTICS TO SIMPLIFY TROUBLESHOOTING**

**FACTORY-INSTALLED POWER CORD INCLUDED FOR INDOOR MODELS**

**COMPLIES WITH LEAD FREE STANDARDS**

### SAFETY FEATURES:

- Air-Fuel Ratio (AFR) Sensor
- Exhaust & Water Temperature Safety Control
- Overheat Cut-Off Fuse

**INTERNAL FREEZE PROTECTION SYSTEM**

### POWER DIRECT VENT DESIGN

- Exhaust, 3" PVC Venting up to 70 Feet or 4" PVC Venting up to 100 Feet
- Provides flexible venting with PVC, CPVC, or ABS Pipe for Intake and Exhaust (solid core only).
- Category IV Stainless Steel venting can also be used

### ACCESSORIES

- Pipe Cover
- Neutralizer Kit
- Isolation Valve Kits
- Concentric Termination
- Recess Box

### WARRANTY

- 15-year limited warranty on heat exchanger in residential applications
- 10-year limited warranty on heat exchanger in commercial applications
- 5-year limited warranty on all parts



**INDOOR MODEL  
ATI-140H**



**OUTDOOR MODEL  
ATO-140H**



**ANSI Z21.10.3  
CSA 4.3**



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## TANKLESS HIGH EFFICIENCY CONDENSING MODELS

MODEL NUMBER	FUEL TYPE	GAS CONSUMPTION INPUT		INLET GAS PRESSURE		ENERGY FACTOR	MAX GPM*	HOT/COLD CONN.	GAS CONN.	DIMENSIONS IN INCHES			UNIT WEIGHT (LBS)
		MINIMUM BTU/H	MAXIMUM BTU/H	MINIMUM W.C.	MAXIMUM W.C.					A HEIGHT	B WIDTH	C DEPTH	
<b>INDOOR</b>													
ATI-140H-N	Natural	15,000	120,000	5.0	10.5	0.93	6.6	3/4" NPT	1/2" NPT	22-7/8	13-7/8	10-13/16	44
ATI-140H-P	Propane	15,000	120,000	8.0	14.0	0.93	6.6	3/4" NPT	1/2" NPT	22-7/8	13-7/8	10-13/16	44
<b>OUTDOOR</b>													
ATO-140H-N	Natural	15,000	120,000	5.0	10.5	0.93	6.6	3/4" NPT	1/2" NPT	22-7/8	13-7/8	10-13/16	44
ATO-140H-P	Propane	15,000	120,000	8.0	14.0	0.93	6.6	3/4" NPT	1/2" NPT	22-7/8	13-7/8	10-13/16	44

All dimensions are in inches.

15-150 psi Water Pressure. 40 psi or above is recommended for maximum flow.

\*Current numbers based on factory testing; 0.5 gpm for activation; 0.4 gpm required for continuous fire after initial ignition.

Indoor models are certified from sea level to 10,100 ft. elevations.

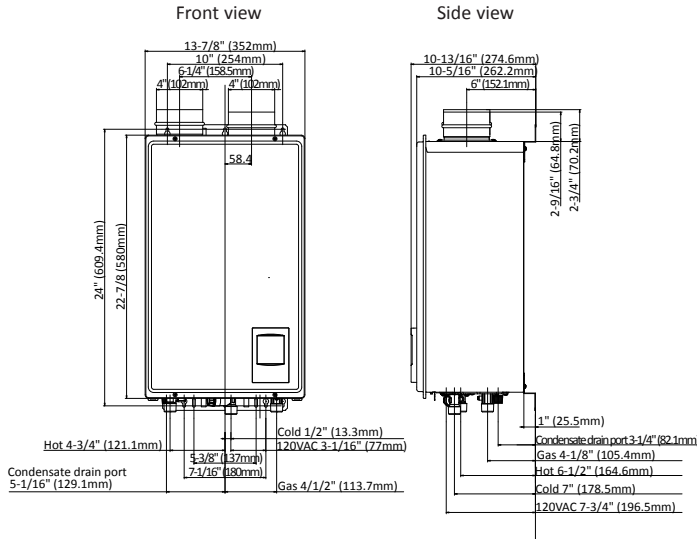
In accordance with ANSI Z21.10.3, CO emission does not exceed 400 PPM for normal input.

The manufacturer reserves the right to discontinue, or change at any time, specifications or designs without notice and without incurring obligation.

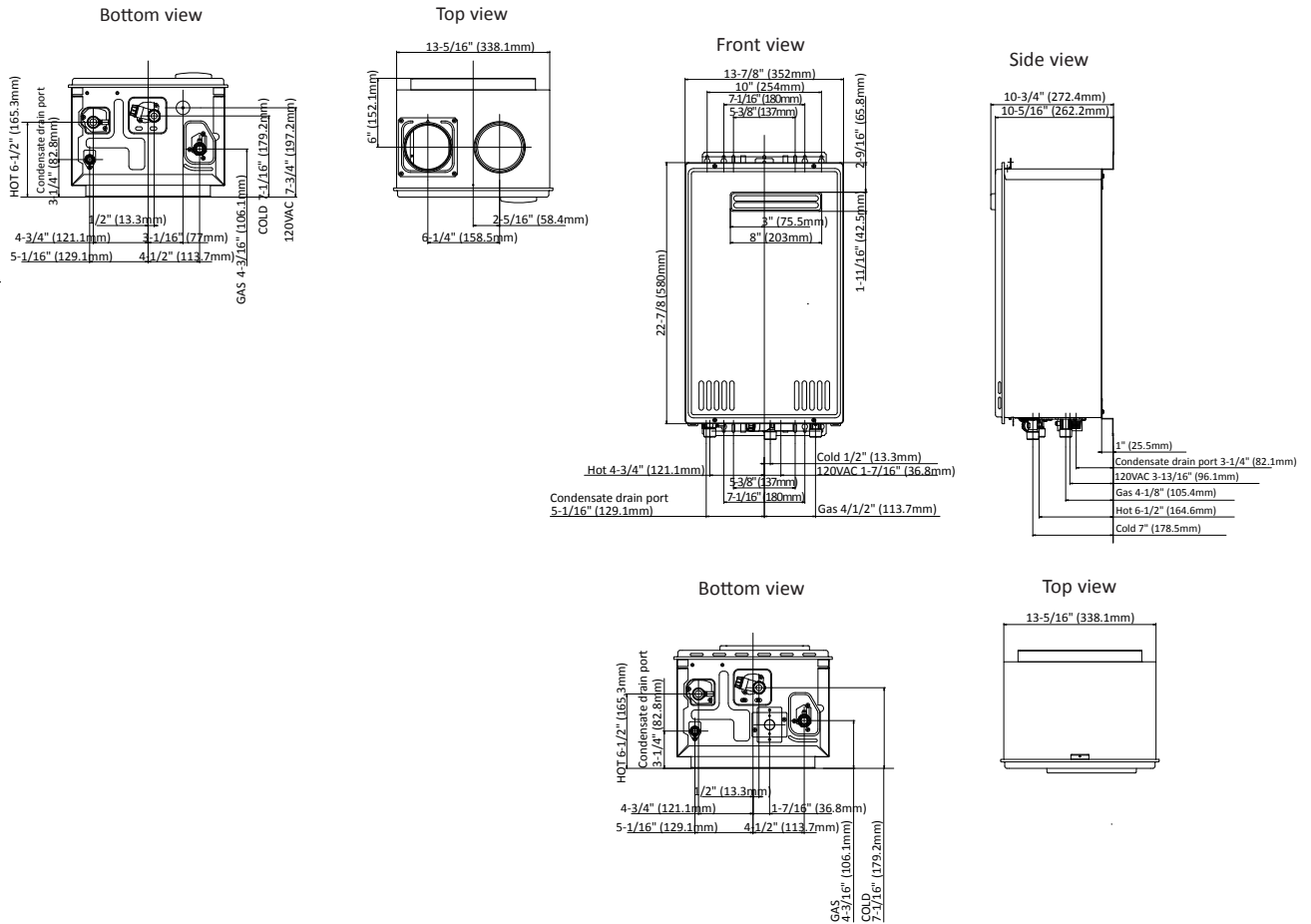


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## INDOOR MODEL



## OUTDOOR MODEL

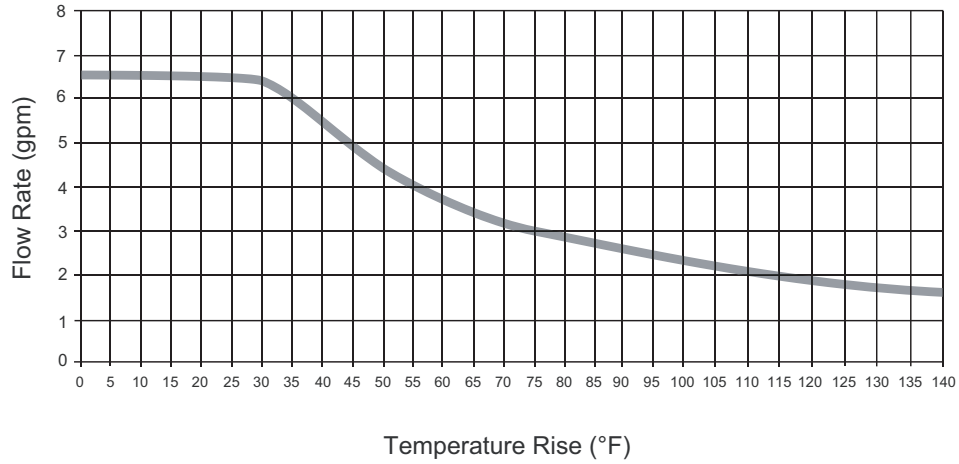


For Technical Information call 1-877-737-2840. A. O. Smith Corporation reserves the right to make product changes or improvements without prior notice.

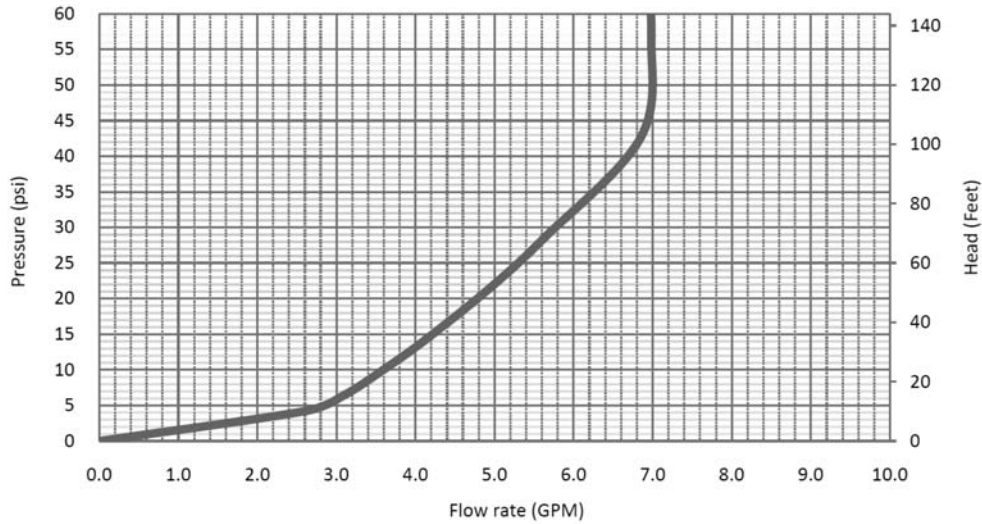


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## FLOW RATE vs TEMPERATURE RISE



## PRESSURE LOSS



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