



# Residential / Light Commercial Gas On-Demand Water Heaters

## ON-DEMAND HIGH EFFICIENCY CONDENSING INDOOR MODELS

### FEATURES

#### CONDENSING TECHNOLOGY PROVIDES SIGNIFICANT ENERGY COST SAVINGS

#### PRIMARY HEAT EXCHANGER IS CONSTRUCTED OF HRS 35 COPPER

- Stronger than standard copper and more resilient against erosion

#### SECONDARY HEAT EXCHANGER IS MADE OF TYPE 316L STAINLESS STEEL

- Provides additional protection against corrosion

#### CONTINUOUS MAXIMUM FLOW RATES UP TO 9.0 GPM

#### CAN BE USED IN BOTH RESIDENTIAL AND LIGHT COMMERCIAL APPLICATIONS

#### ENERGY STAR® QUALIFIED

#### QUALIFIES FOR UP TO \$1500 TAX CREDIT (MUST BE INSTALLED BY DECEMBER 31, 2010)

#### EASILY CONNECT UP TO 4 UNITS

- With no additional parts or accessories needed

#### ELECTRONIC IGNITION-NO PILOT LIGHT

#### BUILT-IN DISPLAY SHOWS OPERATING TEMPERATURE ALONG WITH DIAGNOSTIC AND ERROR CODES

#### LOW NOX EMISSIONS

#### COMPLIES WITH LEAD PLUMBING LAW

#### SAFETY FEATURES:

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

#### INTERNAL FREEZE PROTECTION SYSTEM

#### POWER DIRECT VENT DESIGN

- 4" Pipe Vents up to 50 Equivalent Feet or 3" Pipe Vents up to 25 Equivalent Feet
- Uses Inexpensive PVC, CPVC, OR ABS Pipe for Intake and Exhaust (solid core only). Canadian Installations Require ULCS636 Listed PVC or CPVC Pipe for Venting.
- Category III Stainless Steel venting can also be used

#### ACCESSORIES

- Remote Temperature Controller
- Pipe Cover
- Neutralizer Kit
- Plumbing Installation Kits
- PVC Intake Adaptor
- Concentric Termination

#### WARRANTY

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



**INDOOR MODELS**  
**ATI-520H-N**  
**ATI-520H-P**



ANSI Z21.10.3

CSA 4.3

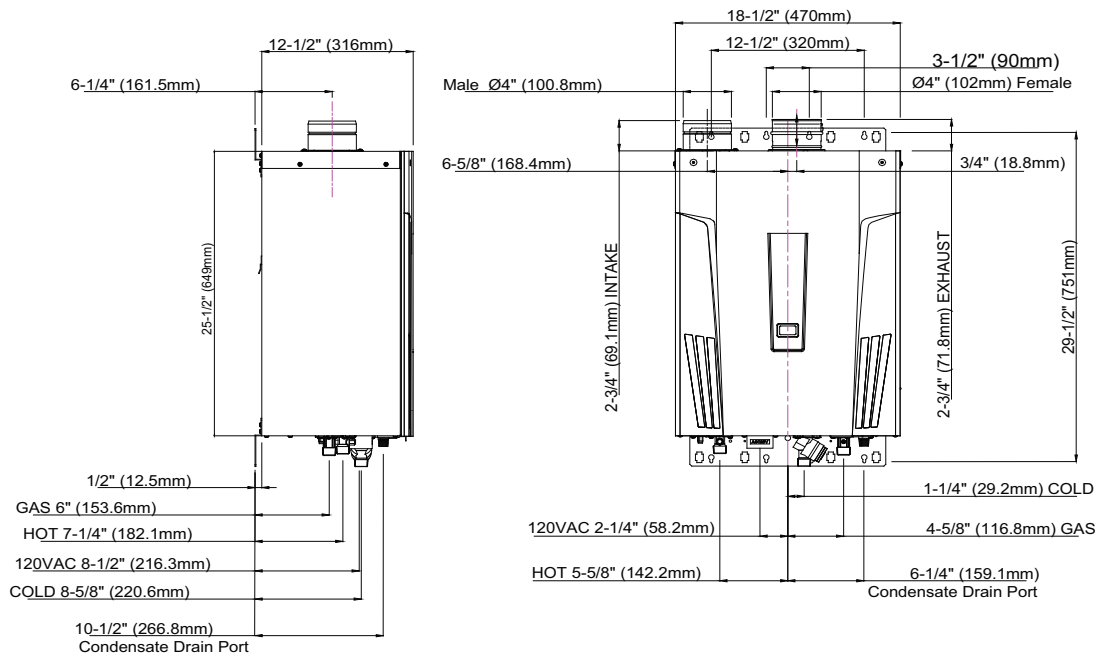


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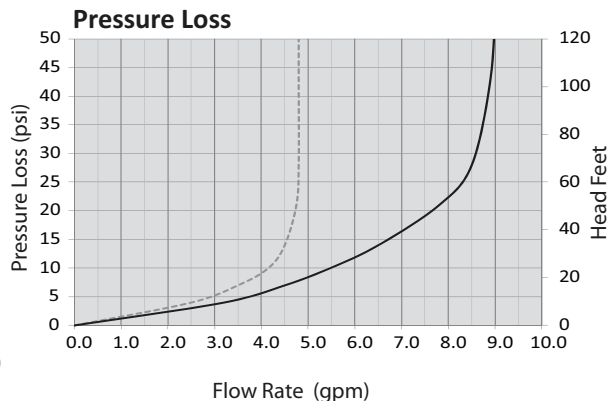
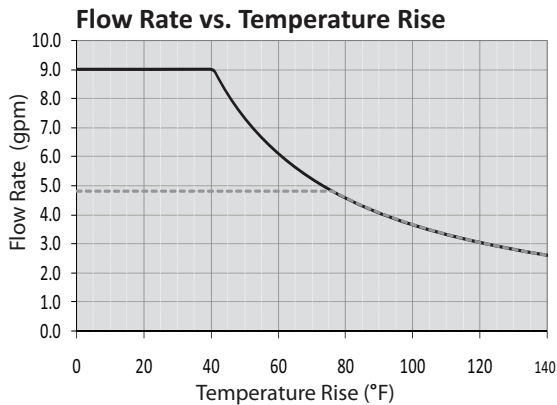
## INDOOR CONDENSING MODELS

MODEL NUMBER	FUEL TYPE	GAS CONSUMPTION INPUT		INLET GAS PRESSURE		ENERGY FACTOR	HOT/COLD GAS CONN.	DIMENSIONS IN INCHES			APPROX. SHIPPING WEIGHT (LBS)
		MINIMUM BTU/H	MAXIMUM BTU/H	MINIMUM W.C.	MAXIMUM W.C.			HEIGHT	WIDTH	DIAMETER	
ATI-520H-N	Natural	13,000	199,000	5.0	10.5	0.91	3/4" NPT	25.6	18.5	12.4	73
ATI-520H-P	Propane	13,000	199,000	8.0	14.0	0.91	3/4" NPT	25.6	18.5	12.4	70

All dimension in inches.  
15-150 psi Water Pressure. 40 psi or above recommended for maximum flow.



**CLEARANCES:** Top: 12"; Bottom: 12"; Front: 4"; Back: .05"; Sides: 3"



————— Set Temperature : 125 °F & lower  
 - - - - - Set Temperature: 130 °F & Higher

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