



Residential Gas Tankless Water Heaters

TANKLESS HIGH EFFICIENCY CONDENSING MODELS

FEATURES

CONDENSING TECHNOLOGY PROVIDES SIGNIFICANT ENERGY COST SAVINGS

SECONDARY HEAT EXCHANGER IS MADE OF TYPE 316L STAINLESS STEEL

- Provides additional protection against corrosion

DURABLE COPPER PRIMARY HEAT EXCHANGER

CONTINUOUS MAXIMUM FLOW RATES UP TO 8.0 GPM

ENERGY STAR® QUALIFIED

ELIGIBLE FOR THE FEDERAL TAX CREDIT

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 warranty on all parts



INDOOR MODELS
ATI-320H-N, ATI-320H-P



OUTDOOR MODELS
ATO-320H-N, ATO-320H-P



ANSI Z21.10.3

CSA 4.3



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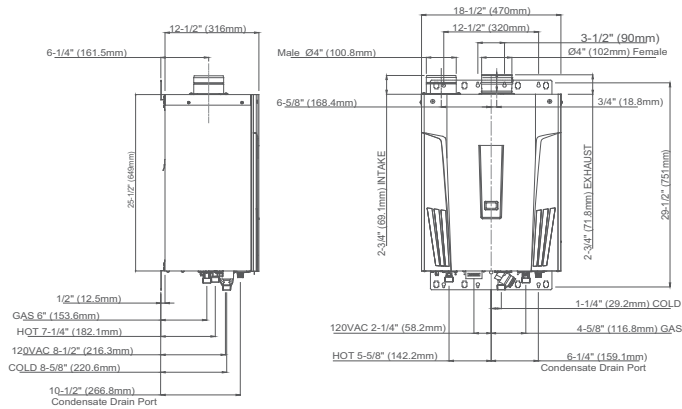
MODEL NUMBER	FUEL TYPE	GAS CONSUMPTION INPUT		INLET GAS PRESSURE		ENERGY FACTOR	MAX GPM*	HOT/COLD AND GAS CONN.	DIMENSIONS IN INCHES			APPROX. SHIPPING WEIGHT (LBS)
		MINIMUM BTU/H	MAXIMUM BTU/H	MINIMUM W.C.	MAXIMUM W.C.				HEIGHT	WIDTH	DEPTH	
INDOOR												
ATI-320H-N	Natural	13,000	180,000	5.0	10.5	0.91	8.0	3/4" NPT	25-3/5	18-1/2	12-2/5	73
ATI-320H-P	Propane	13,000	180,000	8.0	14.0	0.91	8.0	3/4" NPT	25-3/5	18-1/2	12-2/5	73
OUTDOOR												
ATO-320H-N	Natural	13,000	180,000	5.0	10.5	0.91	8.0	3/4" NPT	25-3/5	18-1/2	12-2/5	70
ATO-320H-P	Propane	13,000	180,000	8.0	14.0	0.91	8.0	3/4" NPT	25-3/5	18-1/2	12-2/5	70

All dimension in inches.

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

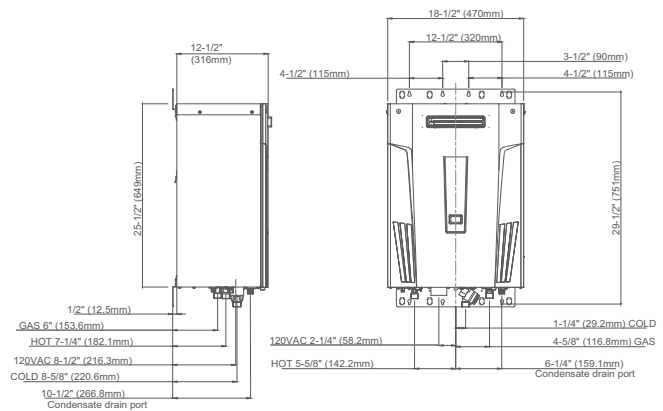
*Current numbers based on factory testing; 0.4 GPM required for continuous fire after initial ignition.

INDOOR MODELS



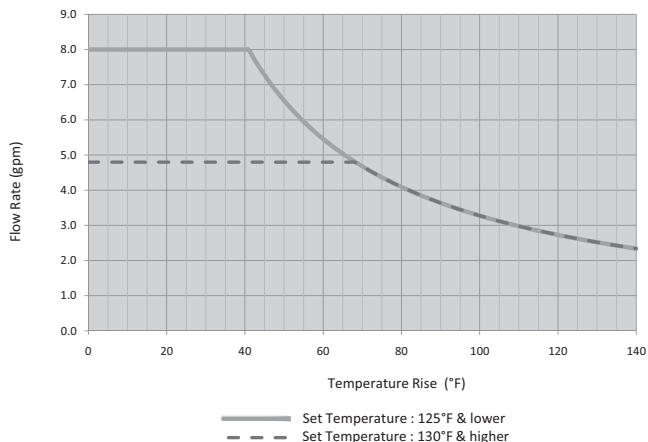
CLEARANCES: Top: 12"; Bottom: 12"; Front: 4"; Back: .05"; Sides: 3"

OUTDOOR MODELS

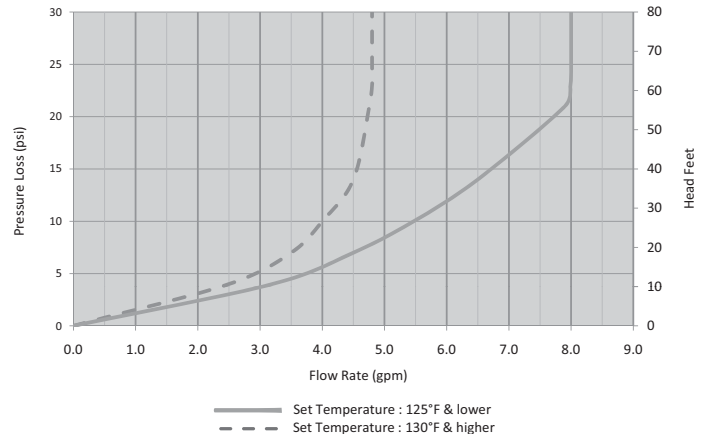


CLEARANCES: Top: 36"; Bottom: 12"; Front: 4"; Back: 0.5"; Sides: 3"

Flow Rate Vs. Temperature Rise



Pressure Loss



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