

# A. O. SMITH'S INNOVATION ON DEMAND

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

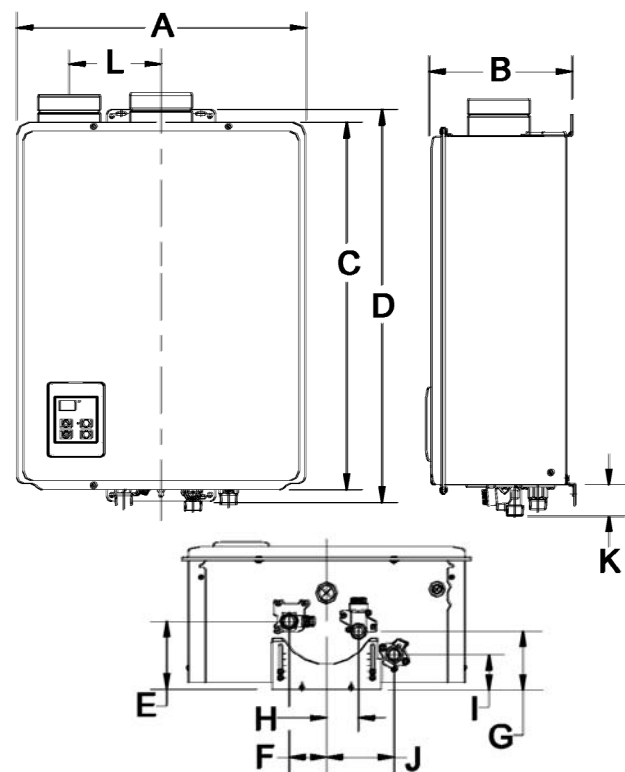
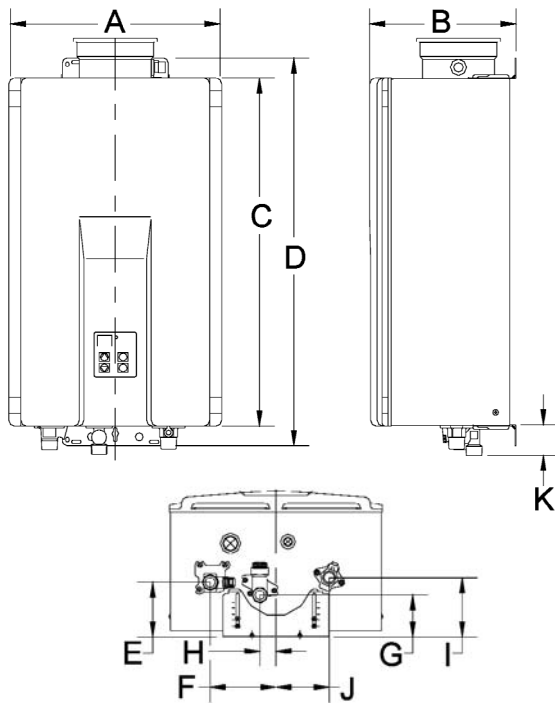
## A Variety of Sleek, Compact Indoor Models To Choose From

ATI-305-N (Natural Gas), ATI-305-P (Propane)  
ATI-505-N (Natural Gas), ATI-505-P (Propane)

ATI-705-N (Natural Gas), ATI-705-P (Propane)  
ATI-705A-N (Natural Gas), ATI-705A-P (Propane) Commercial

305 and 505 Models

705 Model



All Models Available  
In Both Natural Gas  
And Propane Designs

### Model Dimensions

Dimension	Description	305 and 505 inches (mm)	705 inches (mm)
A	Width	14 (355.6)	18.5 (470)
B	Depth	9.6 (244.5)	9.3 (230.5)
C	Height - Unit	22.9 (582)	23.6 (600)
D	Height - with brackets	25.5 (648.2)	25.2 (640)
E	Hot Water Outlet - from wall*	3.6 (91)	4.5 (115)
F	Hot Water Outlet - from center	4.3 (110)	2.4 (61)
G	Cold Water Inlet - from wall*	2.8 (70)	3.9 (99)
H	Cold Water Inlet - from center	1.1 (27)	2.0 (52)
I	Gas Connection - from wall*	4.3 (109)	2.4 (61.2)
J	Gas Connection - from center	3.5 (89)	4.3 (110)
K	From base to gas connection	1.6 (40)	1.6 (40)
	From base to cold connection	2.0 (50)	2.0 (50)
	From base to hot connection	1.6 (41)	1.6 (41)

\* This is the minimum dimension from the wall. The wall bracket is adjustable to allow an additional 1.57 inches (40mm).

# A. O. Smith On-Demand Gas Water Heaters

## Residential and Commercial Product Features:

### Innovative Technology

- A variety of indoor installation options
- Continuous hot water on demand (up to 9.8 GPM)
- Whole house water heating solution
- Direct electronic ignition – no pilot light
- On-board diagnostics and safety monitoring
- Interior sealed combustion (does not use interior combustion air)

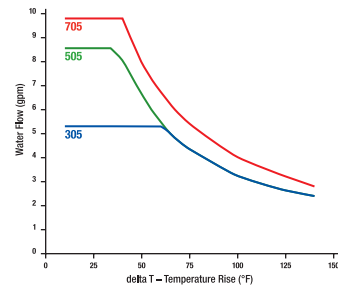
### Excellent Performance

- 12-year limited warranty on heat exchanger, 5-year warranty on all parts
- Models available that meet requirements of ASME Boiler and Pressure Vessel Code

### Energy Efficiency

- Up to 84% thermal efficiency, providing significant energy cost savings

### Outlet Flow Data



## Model Specifications

Model	305	505	705
Minimum Gas Consumption Btu/h	15,000		19,000
Maximum Gas Consumption Btu/h	199,000 Natural Gas 190,000 Propane Gas		237,000
Hot water capacity (Min - Max)*	0.6 - 5.3 GPM (2.3 - 20.1 L/min)	0.6 - 8.5 GPM (2.3 - 32.0 L/min)	0.6 - 9.8 GPM (2.3 - 37 L/min)
Hot water capacity (45°F rise)	5.3 GPM (20.1 L/min)	7.4 GPM (28.0 L/min) Natural Gas 7.1 GPM (26.9 L/min) Propane Gas	8.8 GPM (33.5 L/min)
Default Temperature Setting (no controller)	120° F (49° C)		
Remote Controller Default Temperature Setting	104° F (40° C)		
Maximum Temp Setting (Commercial**)	160° F (71° C)	185° F (85° C)	
Maximum Temp Setting (Residential)	140° F (60° C)		
Minimum Temperature Setting	98° F (37° C)		
Weight	50 lb (23 kg)		55 lb (25 kg)
Efficiency Rating	84%		
Noise level	49 dB		
Electrical Consumption	Normal	79 W	99 W
	Standby	2.8 W	2 W
	Anti-frost Protection	100 W	116 W
By-Pass Control	Fixed	Electronic	
Minimum Gas Supply Pressure	Natural Gas	5.0 inch W.C.	
	Propane	8.0 inch W.C.	
Maximum Gas Supply Pressure	Natural Gas	10.5 inch W.C.	
	Propane	13.5 inch W.C.	
Type of Appliance	Direct Vent, Temperature controlled continuous flow gas hot water system.		
Operation	With or without remote controls, mounted in kitchen, bathroom, etc.		
Approved Gas Type	Natural Gas or Propane - Ensure unit matches gas type it's being installed on.		
Connections	Gas Supply: 3/4" MNPT, Cold Water Inlet: 3/4" MNPT, Hot Water Outlet: 3/4"		
Ignition System	Direct Electronic Ignition		
Electric Connections	Appliance: AC 120 Volts, 60Hz. Remote Control: DC 12 Volts (Digital)		
Water Temperature Control	Simulation Feedforward and Feedback.		
Water Supply Pressure	Minimum Water Pressure: 20 PSI (Recommended 30-80 PSI for maximum		
Maximum Water Supply Pressure	150 PSI		
Remote Control Cable	Non-Polarized Two Core Cable (Minimum 22 AWG)		

\* Minimum flow may vary slightly depending on the temperature setting and the inlet water temperature.

\*\* for commercial and hydronic applications requiring higher temperatures

Specifications are subject to change without prior notice.

The maximum inlet gas pressure must not exceed the value specified by the manufacturer. The minimum value listed is for the purpose of input adjustment.

## A.O. Smith

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