

A. O. Smith On-Demand Gas Water Heaters Indoor and Outdoor models

Residential and Commercial Products Features:

Innovative Technology

- A variety of indoor and outdoor 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

Excellent Performance

- 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
- Outdoor installations save valuable indoor square footage
- ASME models available
- All models available in Natural Gas and Propane (LP)

Energy Efficiency

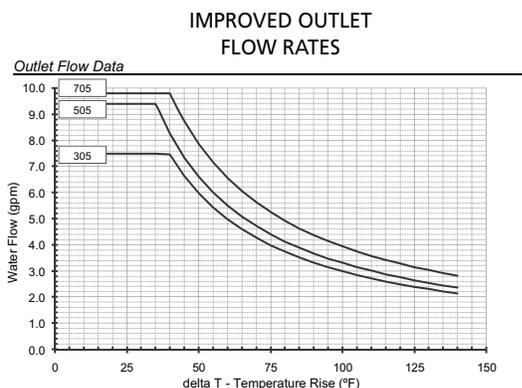
- Up to 84% thermal efficiency, providing significant energy cost savings
- 305 (200/201 Series) and all 505 models qualify for up to \$1500 tax credit. See www.hotwater.com for details
- 305 (200/201 Series) and all 505 models are Energy Star® qualified



200/201 SERIES



ANS Z21.10.3 • CSA 4.3

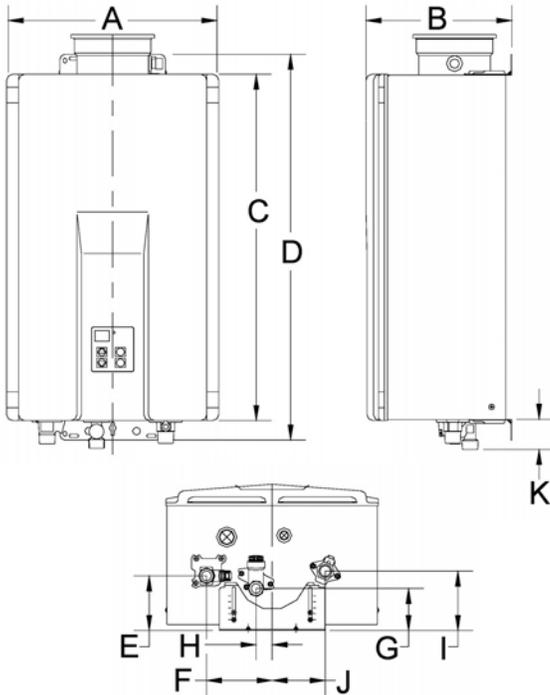


A Variety of Sleek, Compact Indoor Models To Choose From

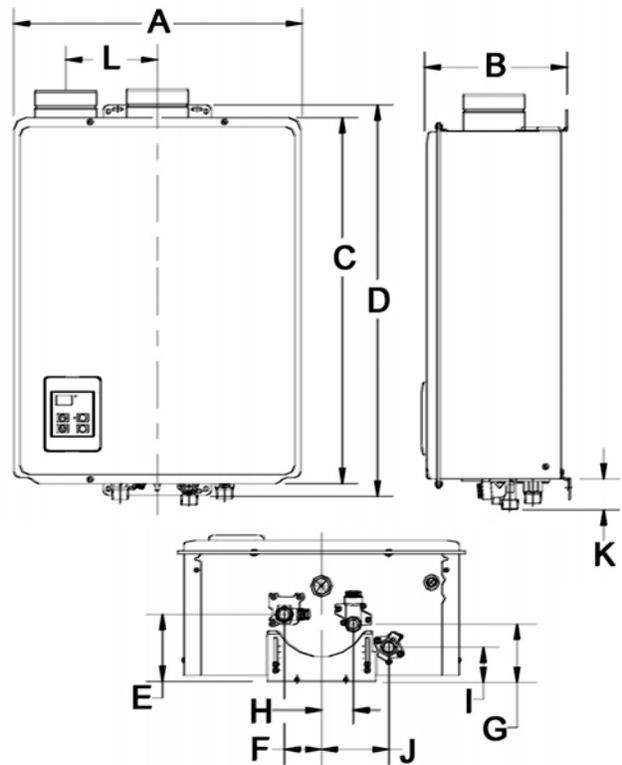
ATI-305-N (Natural Gas), ATI-305-P (Propane)
 ATI-505-N (Natural Gas), ATI-505-P (Propane)

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

305 and 505 Models
 200/201 Series



705 Model



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)	9.1 (230.5)
C	Height - Unit	22.9 (582)	23.6 (600)
D	Height - with brackets	25.5 (648.2)	25.2 (639.8)
E	Hot Water Outlet - from wall*	3.6 (91)	4.3 (110)
F	Hot Water Outlet - from center	4.3 (110)	2.4 (61)
G	Cold Water Inlet - from wall*	2.8 (70)	3.7 (94)
H	Cold Water Inlet - from center	1.1 (27)	2.0 (52)
I	Gas Connection - from wall*	4.3 (109)	2.2 (56.2)
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)

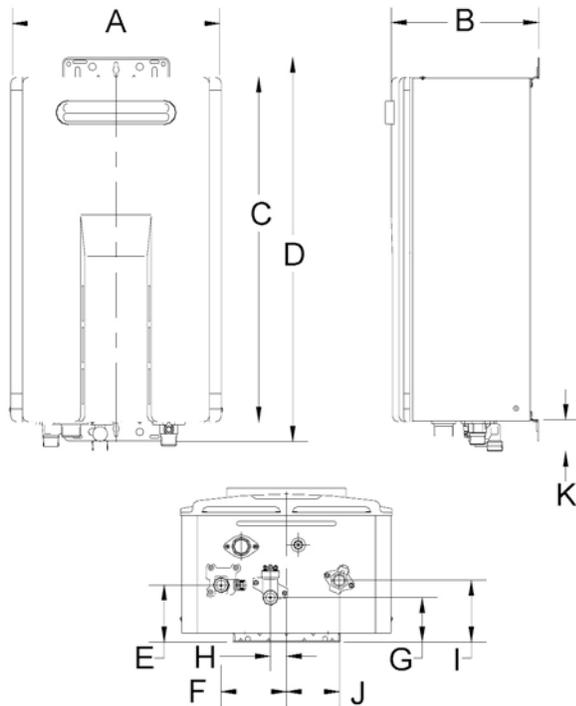
* This is the minimum dimension from the wall. The wall bracket is adjustable to allow an additional 1.57 inches (40mm).

An Array of High Performance Outdoor Models To Choose From

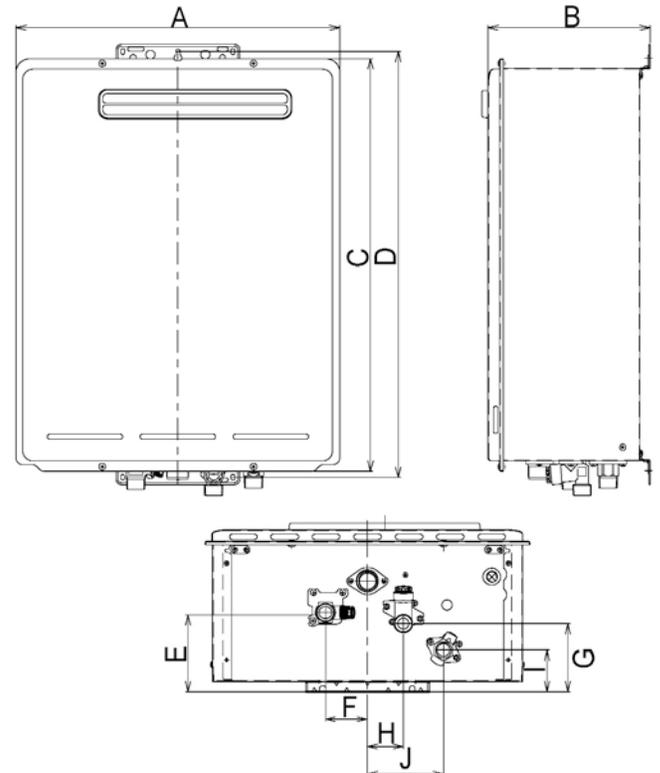
ATO-305-N (Natural Gas), ATO-305-P (Propane)
 ATO-505-N (Natural Gas), ATO-505-P (Propane)

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

305 and 505 Models
 200/201 Series



705 Model



Model Dimensions

Dimension	Description	305 and 505 inches (mm)	705 inches (mm)
A	Width	14 (355.6)	18.5 (470)
B	Depth	9.8 (249.5)	9.3 (235.5)
C	Height - Unit	22.9 (582)	23.6 (600)
D	Height - with brackets	25.4 (646.4)	25.2 (640)
E	Hot Water Outlet - from wall*	3.8 (96)	4.5 (115)
F	Hot Water Outlet - from center	4.3 (110)	2.4 (61)
G	Cold Water Inlet - from wall*	3.0 (75)	3.9 (99)
H	Cold Water Inlet - from center	1.1 (27)	2.0 (52)
I	Gas Connection - from wall*	4.1 (104)	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)



On-Demand Gas Water Heaters

Specifications

Model	305 200/201 Series	505 200/201 Series	705
Minimum Gas Consumption Btu/h	15,000		19,000
Maximum Gas Consumption Btu/h	180,000	199,000 Natural Gas 190,000 Propane Gas	237,000
Hot Water Capacity (Min - Max) *	0.6 - 7.5 GPM (2.3 - 28.4 L/min)	0.6 - 9.4 GPM (2.3 - 35.5 L/min)	0.6 - 9.8 GPM (2.3 - 37 L/min)
Indoor Hot Water Capacity (45°F rise)	6.6 GPM (25.0 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)
Outdoor Hot Water Capacity (45°F rise)	6.6 GPM (25.0 L/min)	7.4 GPM (28.0 L/min)	8.7 GPM (33.1 L/min)
Default Temperature Setting (no controller)	120° F (49° C)		
Temperature Controller Default Setting	104° F (40° C)		
Maximum Temp Setting (Commercial**)	160° F (71° C)	185° F (85° C)	
Maximum Temp Setting (Residential)	Selectable at 120° F (49° C) or at 140° F (60° C)		140° F (60° C)
Minimum Temperature Setting	98° F (37° C)		
Weight (Indoor / Outdoor)	Indoor unit 50lb (23 kg) Outdoor unit 46lb (21kg)		55 lb (25 kg)
Efficiency Rating and Energy Factor (E.F.)	84% and .82		84% and NA
Noise level	49 dB		
Electrical Consumption	Normal (Indoor/Outdoor)	65 W/50 W	79 W/55W
	Standby	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 temperature 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. Temperature 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 performance)		
Maximum Water Supply Pressure	150 PSI		
Temperature Control Cable	Non-Polarized Two Core Cable (Minimum 22 AWG)		
Energy Star Qualified	Yes	Yes	No

* 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.