## **DURABILITY ON-DEMAND.**

INTRODUCING A COMPLETE LINE OF ON-DEMAND GAS-FIRED WATER HEATERS.





# STATE ON-DEMAND GAS WATER HEATERS.

#### **Product Features:**

#### Style

- Durable powder coated finish
- Smooth, pleasant lines and rounded corners
- Matching pipe cover available for finished appearance

#### **Technology**

- Interior and exterior 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

#### **Durability**

- Durable enough for 12-year limited warranty on heat exchanger, 5-year warranty on all parts
- Tough enough to deliver endless hot water
- Durable enough to be installed outdoors, saving valuable indoor square footage
- ASME models available

#### Tankless Energy Efficiency

• Up to 84% thermal efficiency providing significant energy cost savings

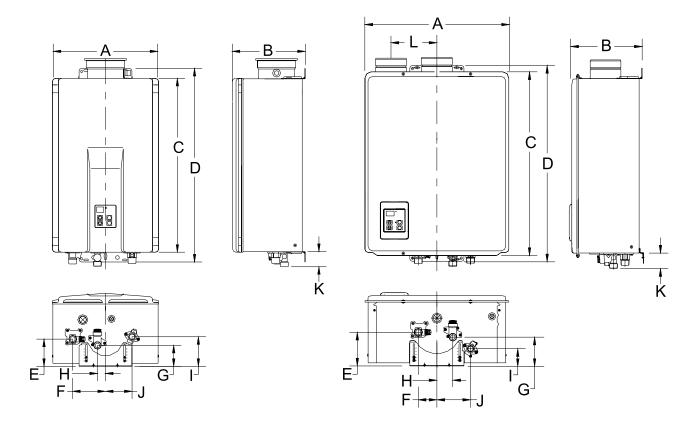
Choose from 16 different interior and exterior models designed specifically for Residential or Commercial applications.



## **INTERIOR DIMENSIONS**

## 305 and 505 Interior Models

## **705** Interior Model

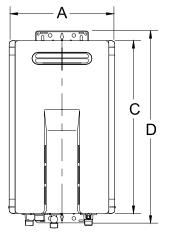


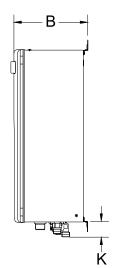
DIM	DESCRIPTION	305 505 in (mm)	705 in (mm)
Α	Width	14 (355.6)	18.5 (470)
В	Depth *	9.6 (244.5)	9.1 (230.5)
С	Height - Unit	22.9 (582)	23.6 (600)
D	Height - with brackets	25.5 (648.2)	25.2 (639.8)
E	Hot Water Outlet - from wall *	3.6 (91)	4.3 (110)
F	Hot Water Outlet - from center	4.3 (110)	2.4 (61)
G	Cold Water Inlet - from wall *	2.8 (70)	3.7 (94)
Н	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)
	From base to gas connection	1.6 (40)	1.6 (40)
K	From base to cold connection	2.0 (50)	2.0 (50)
	From base to hot connection	1.6 (41)	1.6 (41)

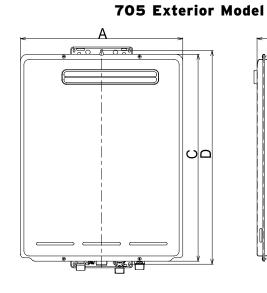
<sup>\*</sup> This is the minimum dimension from the wall. The wall bracket is adjustable to allow an additional 1.57 inches (40 mm).

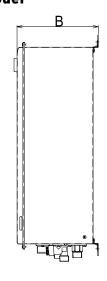
## **EXTERIOR DIMENSIONS**

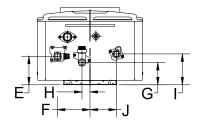
#### 305 and 505 Exterior Models

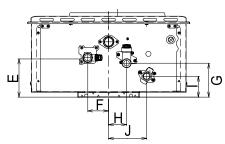












DIM	DESCRIPTION	305	505	705
		in (mm)	in (mm)	in (mm)
Α	Width	14 (355.6)	14 (355.6)	18.5 (470)
В	Depth	7.7 (196)	9.8 (249.5)	9.3 (230.5)
С	Height - Unit	19.8 (503)	22.9 (582)	23.6 (600)
D	Height - with brackets	22.5 (571)	25.4 (646.4)	25.2 (640)
E	Hot Water Outlet - from wall	3.4 (87)	3.8 (96)	4.5 (115)
F	Hot Water Outlet - from center	4.1 (105)	4.3 (110)	2.4 (61)
G	Cold Water Inlet - from wall	2.7 (68)	2.6 (75)	3.9 (99)
Н	Cold Water Inlet - from center	0.4 (10)	1.1 (27)	2.0 (52)
I	Gas Connection - from wall	3.0 (77)	4.1 (104)	2.4 (61.2)
J	Gas Connection - from center	3.3 (83)	3.5 (89)	4.3 (110)
	From base to gas connection	1.6 (40)	1.6 (40)	1.6 (40)
K	From base to cold connection	2.0 (50)	2.0 (50)	2.0 (50)
	From base to hot connection	1.6 (41)	1.6 (41)	1.6 (41)

## **SPECIFICATIONS**

Mo	odel	305	505	705	
Minimum Gas Consum	ption Btu/h	15,	000	19,000	
Maximum Gas Consun	nption Btu/h	199,000 Natural Gas 190,000 Propane Gas		237,000	
Hot water capacity (Min	ו - 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)	
Interior Hot water capa	city (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)	
Exterior Hot water capa	acity (45°F rise)	5.3 GPM (20.1 L/min)	7.3 GPM (27.6 L/min)	8.7 GPM (33.1 L/min)	
Default Temperature S	etting (no controller)		120° F (49° C)		
Remote Controller Defa	ault Temperature	104° F (40° C)			
Maximum Temp Settin	Maximum Temp Setting (Commercial**)		160° F (71° C) 185° F (85° C)		
Maximum Temp Settin	g (Residential)		140° F (60° C)		
Minimum Temperature	Setting		98° F (37° C)		
Weight	, ,		50 lb (23 kg)		
Interior Efficiency Ratir	ıg		84%	•	
Interior Noise level		49 dB			
	Normal	79 W 99 W		99 W	
Interior Electrical Consumption	Standby	2.8	2.8 W		
	Anti-frost Protection	100 W		116 W	
Exterior Efficiency Rating		83%			
Exterior Noise level		49 dB			
Exterior Electrical	Normal	55 W		72 W	
Consumption	Standby	2.8 W		2 W	
	Anti-frost Protection	100 W		116 W	
By-Pass Control	l			tronic	
Minimum Gas Supply Pressure	Natural Gas	5.0 inch W.C.			
	Propane Natural Gas	8.0 inch W.C.			
Maximum Gas Supply Pressure	Propane	10.5 inch W.C.			
Interior Type of Appliar	<u> </u>	13.5 inch W.C.  Direct Vent, Temperature controlled continuous flow gas hot water system.			
Exterior Type of Applia			Power Vent, Temperature controlled continuous flow gas not 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 Co	ntrol	Simulation Feedforward and Feedback.			
Water Supply Pressure	,	Minimum Water Pressure: 20 PSI (Recommended 30-80 PSI for maximum			
Maximum Water Suppl	y 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.

www.statewaterheaters.com

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



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