



# Starfire IV

**There Are Some Things You Can Always Depend On...**



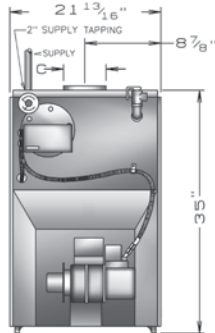
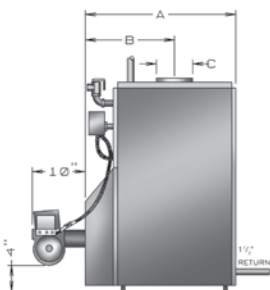




## Starfire Water IV

Up to 86% AFUE Oil Fired Hot Water Boiler

- Available in 9 sizes from 103 MBH to 252 MBH.
- Dependable Cast Iron Heat Exchanger with Cast Iron Push Nipples. The Sections and Push Nipples expand at the same rate when heated. By using similar materials instead of less expensive gaskets the boiler maintains a water tight seal over time.
- Honeywell 2012 Compliant High Limit and Circulator Relay Control.
  - Digital temperature display and diagnostics.
  - Less Coil: Control monitors water temperature and delays the burner starting until any residual heat has been transferred. Thermal purge logic measures rate of temperature change inside the boiler and delays burner firing accordingly. This maximizes efficiency by turning on the burner only when needed.
  - With Coil: The Boiler utilizes a Honeywell non-thermal purge High Limit, Low Limit and Circulator Relay control.
- Atmospheric Chimney Vent Boiler.
- Optional Tankless Heater Coil.
- Textured paint Jacket.
- Limited Lifetime Warranty (Residential Applications).
- Made in the U.S.A.



# Utica Starfire IV Residential Oil Fired Water Boiler

Dimensional Diagram	Model <sup>(1)</sup>	AHRI Oil Burner Input <sup>(1)</sup>		Heating Capacity MBH <sup>(4)</sup>	Net AHRI Ratings <sup>(2) (4)</sup>	Min. Natural Draft Chimney Size	AFUE %
		G.P.H.	MBH <sup>(4)</sup>		Water MBH		
 <p><b>Front View</b></p>	SFH-3085W*	0.85	119	103	90	8"x8"x15'	85.0%
	SFH-3100W	1.00	140	119	103	8"x8"x15'	84.0%
	SFH-4100W*	1.00	140	122	106	8"x8"x15'	86.0%
	SFH-4125W*	1.25	175	151	131	8"x8"x15'	85.0%
	SFH-4145W	1.45	203	173	150	8"x8"x15'	84.0%
	SFH-5160W*	1.60	224	193	168	8"x8"x15'	85.0%
	SFH-5185W	1.85	259	221	192	8"x8"x15'	84.0%
	SFH-6175W*	1.75	245	212	184	8"x8"x15'	85.0%
	SFH-6210W	2.10	294	252	219	8"x8"x15'	84.0%
	* Indicates an ENERGYSTAR rated product.						
(1) AHRI burner capacity is based on an oil heating value of 140,000 Btu/gal and with 13% CO <sub>2</sub> .							
(2) Net AHRI Water Ratings shown are based on a piping and pickup allowance of 1.15.							
(3) Consult manufacturer before selecting boiler for installations having unusual piping and pickup requirements, such as intermittent system operation, extensive piping.							
(4) For forced hot water heating systems where boiler and all piping are within the area to be heated, select boiler on basis of its Heating Capacity.							
<b>General Information</b> (See Installation, Operation and Maintenance Manual for complete instructions)							
<b>Clearances Required distances measured from boiler.</b>	Top					<b>Combustible Materials (Required)</b>	
	Sides					24" (610 mm)	
	Front					6" (152 mm)	
	Back					24" (610 mm)	
	Flue Connector					6" (152 mm)	
	Connections (All Models)	Supply Tapping - 2", Return Tapping 1-1/2" NPT, Oil Line 3/8" O.D. copper tubing for runs of 50 feet or less, and 1/2" O.D. for longer runs.					
Electrical	120 Volts AC, 60 hertz, 1 phase, Less than 12 amps (15 amp circuit recommended).						
 <p><b>Side View</b></p>	<b>Tankless Heater Capacities</b>	<b>Model</b>	<b>Input Rate G.P.H.</b>	<b>Tankless Heater Number</b>	<b>Tankless Heater Capacity Intermittent Draw G.P.M.</b>	<b>Boiler Water Content (Gallons)</b>	
		SFH-3085W	0.85	T3	3	10.5	
		SFH-3100W	1.00	T3	3-1/4	10.5	
		SFH-4100W	1.00	T4	3-1/4	13.5	
		SFH-4125W	1.25	T4	3-1/4	13.5	
		SFH-4145W	1.45	T4	4	13.5	
		SFH-5160W	1.60	T4	4	16.5	
		SFH-5185W	1.85	T4	4-1/4	16.5	
		SFH-6210W	2.10	T4	4-1/2	19.5	
<b>Dimensions/Weights</b>	<b>No. of Sec.</b>	<b>A (Depth of Flush Jacket)</b>		<b>B (Front of Jacket to Center Line of Flue Outlet)</b>		<b>C (Flue Outlet Diameter)</b>	<b>Weight</b>
	3	17-7/8"		11-3/4"		6"	534 lbs.
	4	21-1/2"		12-5/8"		6"	668 lbs.
	5	25-1/8"		14-1/4"		7"	781 lbs.
	6	29-1/4"		15-15/16"		8"	901 lbs.
<b>Standard Equipment</b>	Boiler Controls: Primary Control, High Limit and Circulator Control Heat Exchanger: Cast Iron Heat Exchanger with Cast Iron Push Nipples. Swing out Burner Door. Combustion: Oil Burner, Target Wall/Liner. Electrical: Wiring Harness, Burner Electrical Disconnect. Other: Crated Boiler, Flush Jacket, Circulator- 1 1/4", Supply Tapping-2", Return Tapping-1 1/2", Temperature Pressure Gauge, Safety Relief Valve, Drain Valve. For Tankless Heater Units add Tankless Hot Water Coil and Triple Combination High Limit/Low Limit/Circulator Control.						
<b>Options</b>	Taco, Grundfos or Less Pump; Tankless Coil.						
<b>Certifications</b>	   						

All ratings and specifications subject to change.

PN 240009798 Rev. 9/12A

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