



# OIL-FIRED WATER BOILER STARFIRE SFH SERIES 6



## UP TO 87% AFUE EFFICIENCY

**The Starfire SFH Oil-Fired Water Boiler** features a dependable cast iron heat exchanger and a HydroLevel High Limit and Circulator Relay Control with LWCO.

■ **Exceptional Heat Exchanger Design:**

Features a dependable cast iron heat exchanger with cast iron push nipple connections. The sections and push nipples expand at the same rate when heated. By using similar materials instead of less expensive gaskets or steel push nipples, the boiler maintains a water tight seal.

■ **Hydrolevel Operating Control:**

- Features digital display and diagnostics
- Adjusts the water temperature based on your heating system demand which further reduces your heating costs
- Built-in low water cut-off (LWCO) to protect the boiler from potentially dangerous low water conditions

■ **Biofuel Certified:**

Beckett Burner up to B100  
Riello Burner up to B20

- Utica Boilers backs our reliability with an industry leading limited 5-year parts warranty!

## SFH FEATURES

- 5 Sizes are available:
  - 119, 140, 175, 224, 259 MBH Input (CH)
- Optional Tankless Domestic Hot Water Heater Coil
- 20 Year Non-Prorated Limited Warranty  
5 Year Parts Limited Warranty (Residential)
- Assembled in the USA



There are some things you can always depend on...



[www.utica boilers.com](http://www.utica boilers.com)  
PN 700000026 Rev. [08/14/26]

# PRODUCT SPECIFICATIONS



| AHRI CERTIFIED RATINGS |                 |            |                              |                                        |                                   |                  | DIMENSIONS                  |                          |                     |           |             |                                      |
|------------------------|-----------------|------------|------------------------------|----------------------------------------|-----------------------------------|------------------|-----------------------------|--------------------------|---------------------|-----------|-------------|--------------------------------------|
| MODEL                  | Firing Rate GPH | Fuel Type* | Max Input MBH <sup>(1)</sup> | Heating Capacity MBH <sup>(1)(3)</sup> | Net AHRI Water MBH <sup>(2)</sup> | Efficiency AFUE% | Chimney Size <sup>(4)</sup> | Flue Size <sup>(4)</sup> | Water Content Gals. | -A- Depth | Weight Lbs. | Tankless Capacity GPM <sup>(5)</sup> |
| SFH-3085W(T)           | 0.85            | NO. 2      | 119                          | 103                                    | 90                                | 86%              | 8"x8"x15'                   | 6"                       | 10.5                | 17-7/8"   | 534         | 3                                    |
|                        |                 | B20        | 116                          | 99                                     | 86                                |                  |                             |                          |                     |           |             |                                      |
|                        |                 | B100       | 108                          | 93                                     | 81                                |                  |                             |                          |                     |           |             |                                      |
| SFH-4100W(T)           | 1.00            | NO. 2      | 140                          | 124                                    | 108                               | 87%              | 8"x8"x15'                   | 6"                       | 13.5                | 21-1/2"   | 668         | 3.25                                 |
|                        |                 | B20        | 136                          | 118                                    | 103                               |                  |                             |                          |                     |           |             |                                      |
|                        |                 | B100       | 128                          | 111                                    | 97                                |                  |                             |                          |                     |           |             |                                      |
| SFH-4125W(T)           | 1.25            | NO. 2      | 175                          | 152                                    | 132                               | 86%              | 8"x8"x15'                   | 6"                       | 13.5                | 21-1/2"   | 668         | 3.75                                 |
|                        |                 | B20        | 170                          | 146                                    | 127                               |                  |                             |                          |                     |           |             |                                      |
|                        |                 | B100       | 159                          | 137                                    | 119                               |                  |                             |                          |                     |           |             |                                      |
| SFH-5160W(T)           | 1.60            | NO. 2      | 224                          | 195                                    | 170                               | 86%              | 8"x8"x15'                   | 7"                       | 16.5                | 25-1/8"   | 781         | 4                                    |
|                        |                 | B20        | 218                          | 187                                    | 163                               |                  |                             |                          |                     |           |             |                                      |
|                        |                 | B100       | 204                          | 176                                    | 153                               |                  |                             |                          |                     |           |             |                                      |
| SFH-6185W(T)           | 1.85            | NO. 2      | 259                          | 226                                    | 197                               | 86%              | 8"x8"x15'                   | 8"                       | 19.5                | 29-1/2"   | 901         | 4.25                                 |
|                        |                 | B20        | 252                          | 216                                    | 188                               |                  |                             |                          |                     |           |             |                                      |
|                        |                 | B100       | 236                          | 203                                    | 177                               |                  |                             |                          |                     |           |             |                                      |

(T) Tankless Coil Models

## CONNECTIONS

|              |                                                                                           |
|--------------|-------------------------------------------------------------------------------------------|
| Water Supply | 2" NPT                                                                                    |
| Water Return | 1-1/2" NPT                                                                                |
| Oil Line     | 3/8" O.D. Copper Tubing for runs 50' or less<br>1/2" O.D. Copper Tubing for runs over 50' |

## ELECTRICAL

120 V ac, 60 hertz, 1 phase, less than 12 amps  
(15 amp circuit recommended)

## STANDARD EQUIPMENT

Boiler Control: Hydrolevel Fuel Smart Hydrostat Control - combination Low Water Cut Off with boiler temperature reset 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", Temperature Pressure Gauge, Safety Relief Valve, Drain Valve.

## OPTIONS

Burners: Beckett, Carlin, Riello or Less burner; Pumps: Taco or Less Pump; Tankless Coil

\* Beckett Burner is certified up to B100, Riello Burner is certified up to B20, Carlin Burner is #2 fuel only.

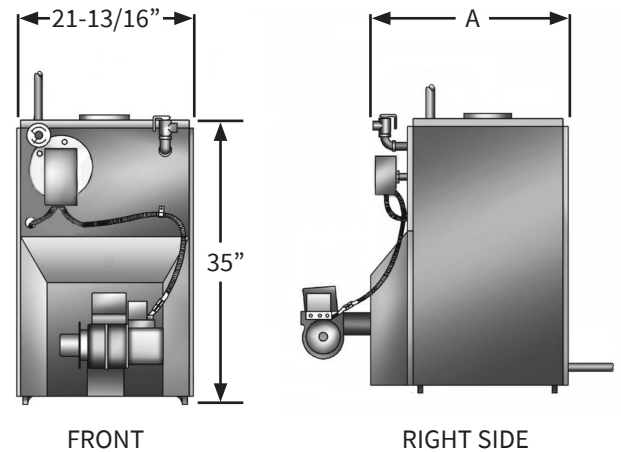
(1) Oil burner input based on 140,000 Btu/gal.

(2) Net AHRI Water Ratings shown are based on a piping and pickup allowance of 1.15. Consult manufacturer before selecting boiler for installations having unusual piping and pickup requirements, such as intermittent system operation, extensive piping.

(3) Heating Capacity and AFUE based on 13.1% CO<sub>2</sub> with -0.02" WC draft over fire and #1 smoke or less. Tested in accordance with U.S. Department of Energy test procedure.

(4) Refer to IOM and vent pipe manufacturer's instructions for equivalent lengths and approved venting materials.

(5) Capacity GPM applies to (T) models with a tankless coil.



**ECR international**

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All specifications subject to change without notice.  
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