BRADFORD WHITE®
WATER HEATERS

PowerStor Series® SS

Single-Wall Indirect Water Heater

Photo is of SS-50-L

Hydrojet®

Features

- **Hydrojet® Total Performance System**—Sediment reducing device that also increases first hour delivery of hot water while minimizing temperature build-up in tank*.

Additional Details

- **Stainless Steel Tank and Heat Exchanger**—Made from chromium molybdenum - titanium ferritic 444 stainless steel alloy.
- **Stainless Steel Heat Exchanger**—Single-wall 1" (25mm) O.D. stainless steel coil. Maximum supply temperature from the boiler must not exceed 240°F (116°C).
- **Immersed Adjustable Aquastat**—Fast acting for automatic temperature control (adjustable from 80°F to 160°F), (27°C to 71°C).
- **Supply and Return Connections**—1" (25mm) NPT female connections located on the front for both boiler supply and return.
- **Insulation System**—Non-CFC foam covers the tank, reducing heat loss, energy consumption, and improves efficiency and jacket rigidity.
- **Water Connections**—NPT factory-installed dielectric waterway with heat traps.
- **T&P Relief Valve**—Installed.
- **Low Restrictive Brass Drain Valve**—Durable tamper proof design*.
- **AHRI Certified**—These water heaters are rated by the Air-Conditioning, Heating, and Refrigeration Institute to provide accurate performance data within the standards of the certification. This certification provides a recognized standard for proper comparison of hydronic appliances.

*excludes SS-120-L

AHRI CERTIFIED www.ahridirectory.org

LLC - Low Lead Content

c UL us LISTED

Limited Lifetime Tank and Heat Exchanger Warranties / 6-Year Limited Warranty on Component Parts.
5-Year Limited Tank Warranties on Commercial Models / 1-Year Limited Warranty of Component Parts.

For more information on warranty, please visit **www.bradfordwhite.com**

For products installed in USA, Canada, and Puerto Rico. See complete copy of the warranty included with the heater for limitations

C556-0625 CANADA

PowerStor Series® SS

Single-Wall Indirect Water Heater

SPECIFICATIONS

Model Number	Capacity		A Floor to Top of Heater	B Jacket Dia.	C Floor to T&P Conn.	D Floor to Hot Water Conn.	E Floor to Cold Water Conn.	F Floor to Exchanger Outlet	G Floor to Exchanger Inlet	H Floor to Aquastat	Approx. Shipping Weight
	U.S. Gal.	Imp. Gal.	in.	in.	in.	in.	in.	in.	in.	in.	lbs.
SS-30-L	29	24	31 5/8	24	22 1/2	32 1/2	32 1/2	10	22 5/8	16 1/2	75
SS-40-L	38	31	38 1/4	24	29 1/8	38 7/8	38 7/8	10	24 3/4	18 3/4	91
SS-50-L	50	42	48	24	39 3/4	48 7/8	48 7/8	10	29 1/4	19 1/2	103
SS-75-L	73	60	65 5/8	24	56 1/2	66 1/4	66 1/4	10	33 5/8	19 1/2	142
SS-120-L	111	92	63 3/8	30 1/4	65 3/4	53 1/2	2 11/16	11 3/4	40	31 3/8	217

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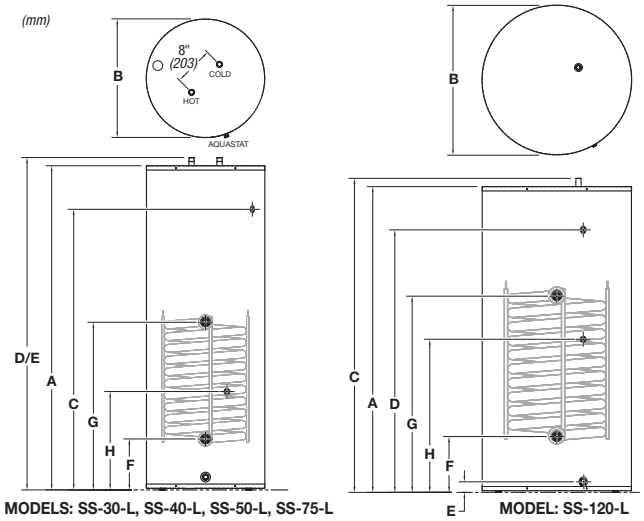
		mm.	mm.	mm.	mm.	mm.	mm.	mm.	mm.	kg.
SS-30-L	110	803	610	572	826	826	254	575	419	34
SS-40-L	142	972	610	740	987	987	254	629	476	41
SS-50-L	189	1219	610	1010	1241	1241	254	743	495	47
SS-75-L	274	1667	610	1435	1683	1683	254	854	495	64
SS-120-L	420	1610	768	1670	1359	68	299	1016	797	98

AHRI Certified Water Heater Ratings

Model Number	First Hour Delivery Rating	Continuous Draw @135°F	Standby Heat Loss Rating	Minimum Heat Required Rate	Minimum Heat Source Flow Rate
	Gal./Hr.	Gal./Hr.	°F/Hr.	BTU/Hr.	Gal./Min.
SS-30-L	179	160	0.8	105,000	14.0
SS-40-L	237	209	0.6	135,000	14.0
SS-50-L	269	229	0.5	145,000	14.0
SS-75-L	367	307	0.4	193,000	14.0
SS-120-L	409	319	0.3	199,000	9.0

Model Number	First Hour Delivery Rating	Continuous Draw @57°C	Standby Heat Loss Rating	Minimum Heat Required Rate	Minimum Heat Source Flow Rate
	Liters/Hr.	Liters/Hr.	°C/Hr.	kW/Hr.	Liters/Min.
SS-30-L	678	606	0.44	30.8	53.0
SS-40-L	897	791	0.33	39.6	53.0
SS-50-L	1018	867	0.27	40.5	53.0
SS-75-L	1389	1162	0.22	56.6	53.0
SS-120-L	1548	1208	0.16	58.3	34.0

NOTE: These certified ratings were obtained with a heat source output and flow rate as specified and a 180°F (82°C) boiler water supply temperature. Other results will be obtained under different conditions.



MODELS: SS-30-L, SS-40-L, SS-50-L, SS-75-L

MODEL: SS-120-L

Heat Exchanger Head Loss		
Model	GPM	Ft. of Hd. Loss
SS-30-L & SS-40-L	2	0.2
SS-50-L		0.2
SS-75-L		0.1
SS-120-L		0.2
SS-30-L & SS-40-L	5	1.1
SS-50-L		1.4
SS-75-L		0.8
SS-120-L		1.4
SS-30-L & SS-40-L	8	2.8
SS-50-L		3.6
SS-75-L		2.1
SS-120-L		3.5
SS-30-L & SS-40-L	10	4.4
SS-50-L		5.6
SS-75-L		3.3
SS-120-L		5.5

GENERAL:

All units are certified at 300 PSI (2068 kPa) test pressure and 150 PSI working pressure (1034 kPa). All potable water connections are 3⁄4" (19mm) NPT (1" (25mm) NPT on SS-120).

Suitable for Water (Potable) Heating and Space Heating.

Toxic chemicals, such as those used for boiler treatment, shall NEVER be introduced into the potable side of this system. The potable side may NEVER be connected to any existing heating system or component(s) previously used with a non-potable water heating appliance. The heat exchanger side of the unit may be used in space heating applications.

Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement.

BRADFORD WHITE® WATER HEATERS

Built to be the Best®

Customer Service / Sales: 1-866-690-0961 / 905-203-0600

24/7 Technical Support: 800-334-3393 • Email: TechServ@bradfordwhite.com

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