



HURST

BOILER & WELDING CO., INC

AVAILABLE WITH LOW NOX

4VT HW SERIES

4-PASS TUBELESS DESIGN

HOT WATER BOILER
CAPACITIES FROM 6 TO 100 BHP
201 TO 3348 MBTU/HR
30-160 PSI. 250° F WATER

The 4VT Hot Water Boiler provides for exceptionally high efficiencies, lower fuel costs, and extremely rugged construction.



COMPACT SPACE SAVING
VERTICAL DESIGN

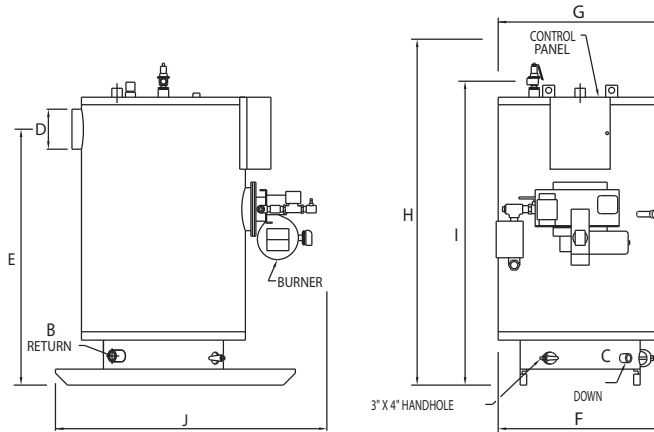
*HEAVIEST DESIGNED
BOILER IN ITS CLASS*

HURST PERFORMANCE SERIES BOILERS

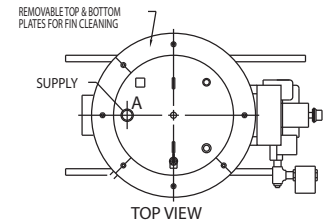
HURST PERFORMANCE SERIES BOILERS

Capacities from 6 to 100 H.P.
201 to 3348 MBTU/HR.

- Efficient 4-Pass Tubeless Design.
- Easy Service.
- ASME Code Constructed & Stamped For Pressures To 160 Psi.
- Registered With The National Board Of Boiler Inspectors.
- Low Furnace Heat Release.
- Large Furnace Volume For Ultimate Combustion Efficiency.
- Steel Skids And Lifting Eyes.
- U.L. Listed Controls & Trim.
- Competitively Priced, Easily Maintained, Designed For Efficiency.
- Flame Observation Ports.
- Factory Jacketed & Painted.
- Easy Access To Fireside Surfaces Ample Water Side Clean out Openings.
- Fully Automatic Operation.
- U.L. Listed, Forced Draft Burners.
- Fuel Flexibility – Gas, Oil And Combination Gas Oil.



SHOCK PROOF DESIGN



BOILER SPECIFICATIONS

BOILER HORSEPOWER			6	10	15	20	25	30	40	50	60	70	80	100
GROSS OUTPUT	MBH	BTU X 1000	201	335	502	670	837	1004	1339	1674	2009	2343	2678	3348
		KCAL X 1000	51	84	127	127	211	253	337	422	506	590	675	844
INPUT REQUIRED		BTU X 1000	251	418	628	837	1046	1255	1674	2092	2511	2929	3348	4184
		KCAL X 1000	63.3	105	158	211	264	316	422	527	633	738	844	1054
FIRING RATE NAT. GAS	1000 BTU/FT	FT ³ /HR	251	418	628	837	1046	1255	1674	2092	2511	2929	3348	4184
		M ³ /HR	7.1	11.8	17.8	23.7	29.6	35.5	47.4	59.2	71.1	82.9	94.8	118.5
FIRING RATE LP GAS	91,500 BTU	GPH	2.7	4.6	6.9	9.1	11.4	13.7	18.3	22.9	27.4	32	36.6	45.7
		LPH	10.4	17.3	26	34.6	43.3	51.9	69.2	86.6	103.9	121.2	138.5	173.1
FIRING RATE OIL #2	140,000 BTU	GPH	1.8	3	4.5	6	7.5	9	12	14.9	17.9	20.9	23.9	29.9
		LPH	6.8	11.3	17	22.6	28.3	33.9	45.3	56.6	67.9	79.2	90.5	113.1
A	OUTLET SIZE	IN	2	2	2	3	3	4	4	6	6	6	6	6
		MM	51	51	51	76	76	102	102	152	152	152	152	152
B	RETURN SIZE	IN	2	2	2	2.5	2.5	3	3	4	4	4	4	4
		MM	51	51	51	64	64	76	76	102	102	102	102	102
C	DRAIN	IN	1	1	1	1	1	1.25	1.25	1.25	1.25	1.5	1.5	1.5
		MM	25	25	25	25	25	32	32	32	32	38	38	38
D	STACK OUTLET SIZE O.D.	IN	8	8	8	8	8	10	12	12	12	14	14	14
		MM	203	203	203	203	203	254	305	305	305	356	356	356
E	STACK OUTLET HEIGHT	IN	52	52	58	64	64	63	73	83	83	82	82	82
		MM	1321	1321	1473	1626	1626	1600	1854	2108	2108	2083	2083	2083
F	WIDTH WITHOUT TRIM	IN	35.2	35.2	35.2	35.2	35.2	43.75	53.5	59	59	68	68	78.2
		MM	894	894	894	894	894	1111	1359	1499	1499	1727	1727	1986
G	WIDTH WITH TRIM	IN	42	42	42	42	42	47	55	63	63	72	72	72
		MM	1067	1067	1067	1067	1067	1194	1397	1600	1600	1829	1829	1829
H	OVERALL HEIGHT	IN	70	70	76	82	82	82	93	105	105	106	106	106
		MM	1778	1778	1930	2083	2083	2083	2362	2667	2667	2692	2692	2692
I	SUPPLY HEIGHT	IN	65	65	71	77	77	77	88	98	98	98	98	98
		MM	1651	1651	1956	1956	1956	1956	2235	2489	2489	2489	2489	2489
J	APPROX. OVERALL LENGTH	IN	60	60	60	60	60	78	87	115	115	120	120	127
		MM	1524	1524	1524	1524	1524	1981	2210	2921	2921	3048	3048	3226
	WATER CAPACITY	FLOODED	62	62	68	79	79	113	208	313	313	440	440	591
			235	235	257	299	299	428	787	1185	1185	1665	1665	2237
	APPROX. SHIPPING WEIGHT	LBS	1931	1931	2101	2181	2181	2621	4852	6680	6680	9225	9225	11205
			876	876	953	989	989	1189	2201	3030	3030	4184	4184	5082
	BOILER HORSEPOWER		6	10	15	20	25	30	40	50	60	70	80	100

STANDARD FEATURES

All units are factory packaged with operating controls, relief valves, burner and fuel train. Installation is made simple in that only service connections are needed to place in operation. Flexible burner systems are available for firing natural gas, LP gas, #2-6 oil or combinations. High density ceramic wool insulation assures lower radiant heat loss. In addition to meeting the requirements of UL, burner systems are optionally available to meet the requirements of FM, IRI, CSD-1 and others.

TRIM: Safety relief valve, operating temperature control, high limit temperature control with manual reset, combination pressure & temperature gauge, low water cut-off control with manual reset.

CERTIFIED DRAWING AVAILABLE UPON REQUEST.

DIMENSIONS SUBJECT TO CHANGE WITHOUT NOTICE.

HBC-09513
08/2009



 hurstboiler.com

HURST BOILER & WELDING CO., INC.

100 Boilermaker Lane • Coolidge, GA 31738-0530

Tel: (229) 346-3545 • Fax: (229) 346-3874

email: info@hurstboiler.com