



HURST

BOILER & WELDING CO., INC.

AVAILABLE WITH LOW NOX

HURST SERIES 4VT HW

4-PASS VERTICAL TUBELESS DESIGN
Low Furnace Heat Release



HIGH PRESSURE BOILER
Capacities from 6 to 100 BHP.
201 to 3348 MBTU/HR.

HOT WATER
30 to 160 PSI.
250°F water.

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

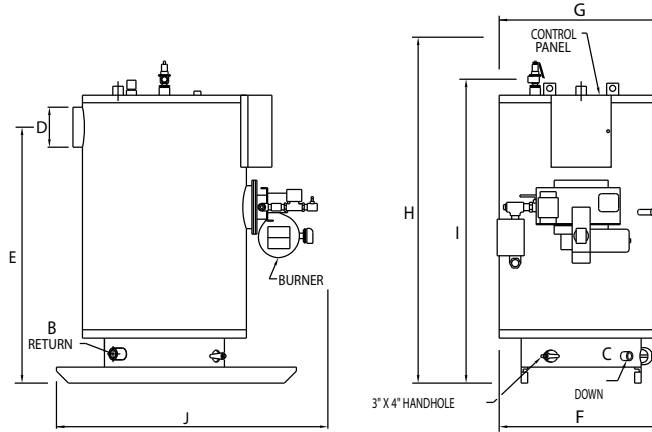
SKID MOUNTED
MODULAR PACKAGED

HURST PERFORMANCE SERIES BOILERS

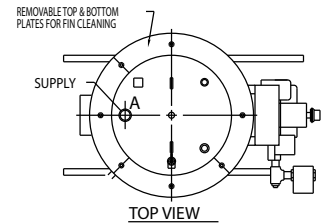
HURST PERFORMANCE SERIES BOILERS

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

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hurstboiler.com

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