



HURST

BOILER & WELDING CO., INC.

AVAILABLE WITH LOW NOX

HURST SERIES MIX

VERTICAL FIRETUBE BOILERS

High Pressure Design
Capacities From 30 to 125 BHP.
1004 to 4184 MBTU/HR.

STEAM PRESSURES
to 350 PSI
HOT WATER PRESSURE
30-160 PSI



Available in Steam
& Hot Water Models



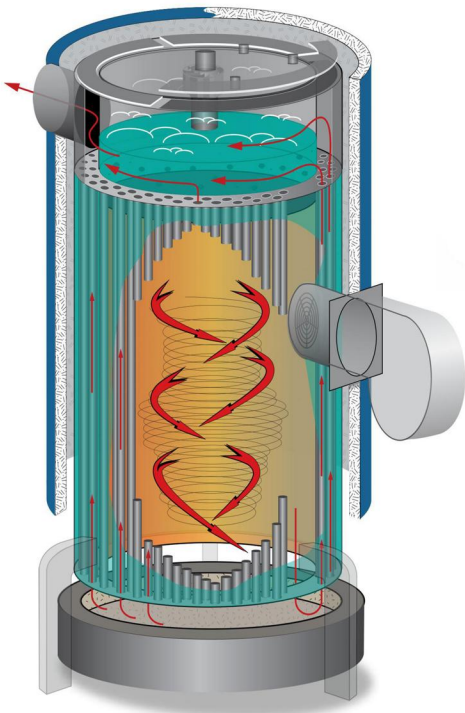
Skid Mounted Package



Superior
Enhanced Fire Tubes
Heat Transferring Spiral Surface

HURST PERFORMANCE SERIES BOILERS

Compact FireTube Design ALL STEEL CONSTRUCTION



100% WATER BACKED DESIGN

Built To Deliver Years
of Reliable Service.

■ Removable Turn-a-round box

Simply loosen the lug nuts and lower the section to inspect the system.

■ Innovative vessel design

Constant calm water levels with water-to-steam stabilization features.

■ Large steam chamber with internal water separator insures "dry" high quality steam.

■ **Totally new design** industrial grade construction, 2 pass fire tube design with enhanced heat transfer features. The VIX Series can offer higher efficiencies than standard vertical boilers. It is 100% water-backed and built for years of reliable service.

■ Smaller foot print

More than 50% of standard vertical boilers.

■ **Easy access to burner** and eye-high control panel. All valves and control located within reach.

Superior Heat Transfer

**ALL COMBUSTION
WITHIN THE
WATER WALL**

BOILER SPECIFICATIONS

BOILER HORSEPOWER

		30	40	50	60	70	80	100	125
STEAM OUTPUT F&A 212°F	LBS/HR	1035	1380	1725	2070	2415	2760	3450	4313
GROSS OUTPUT	BTU X 1000	1004	1339	1674	2009	2343	2678	3348	4184
INPUT BTU REQ'D	BTU X 1000	1255	1674	2092	2511	2929	3348	4184	5230
FIRING RATE NAT. GAS	1000BTU/FT FT/HR	1255	1674	2092	2511	2929	3348	4184	5230
FIRING RATE LP GAS	91,500 BTU/GAL GPH	13.7	18.3	22.9	27.4	32	36.6	45.7	57.2
FIRING RATE NO.2 OIL	140,000BTU/GAL GPH	9	12	14.9	17.9	20.9	23.9	29.9	37.4

A	STEAM OUTLET HIGH PRESS.	150#	1.5	2.5	2.5	2.5	2.5	2.5	3	3	A
A	HOT WATER SUPPLY OUTLET		3	4	4	6	6	6	6	6	A
B	BLOWDOWN CONN. HIGH PRESS.	150#	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	B
B	BLOWDOWN CONN. LOW PRESS.		1.25	1.25	1.25	1.5	1.5	1.5	1.5	1.5	B
C	FEEDWATER CONN.		1	1	1	1	1	1	1.25	1.25	C
C	HOT WATER RETURN		3	3	4	4	4	4	4	6	C
D	STACK O. DIA.		10	10	10	14	14	14	14	14	D
E	STACK HEIGHT		80.6875	88.3125	88.3125	87.0625	87.0625	87.0625	87.313	87.313	E
F	WIDTH WITHOUT TRIM		36.75	42.875	42.875	54.25	54.25	54.25	63.63	63.63	F
G	WIDTH WITH TRIM	SEE NOTE 1	53	58.5	58.5	60	60	60	70	70	G
H	OVERALL HEIGHT		104.375	115	115	115	115	115	117	117	H
I	HEIGHT WITHOUT TRIM		92.375	97.50	97.50	99.625	99.625	99.625	99.625	99.625	I
J	LENGTH	SEE NOTE 1	76	83	83	97	97	98	112	112	J
K	FURNACE O. DIA.		24	30	30	36	36	36	44	44	K
L	SUPPORT WIDTH		26	30	30	54.25	54.25	54.25	63.63	63.63	L
M	SUPPORT LENGTH		50	56	56	63	63	63	72	72	M
N	SUPPORT TO CENTER LINE		24.88	28	28	26.38	26.38	26.38	27.313	27.313	N
	FIRESIDE HEATING SURFACE		94	138	138	151	151	151	217	217	
	FURNACE VOLUME		14	24	24	33	33	33	54	54	
	WATER CAP. @ NWL	GALS.	78	141	141	167	167	167	221	221	
	WATER CAP. FLOODED	GALS.	93	168	168	232	232	232	320	320	
	SHIPPING WEIGHT	LBS.	2700	3706	3706	5074	5094	5094	7010	7050	

BOILER HORSEPOWER

	30	40	50	60	70	80	100	125
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NOTE 1: LENGTHS, WIDTHS & WEIGHTS BASED ON HURST BOILER STANDARD BURNERS

NOTE 2: 30, 40, & 50 HP HAVE LEGS IN LIEU OF SKIDS

DIMENSIONS SUBJECT TO CHANGE WITHOUT NOTICE

CERTIFIED DRAWINGS AVAILABLE ON REQUEST



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