

STEAM MAX



The gas steam boiler that you've been waiting for!

- 75-550 MBH in 12 sizes (not available for LP gas)
- 82% AFUE
- Unmatched corrosion warranty

The new benchmark for longevity and flexibility in gas steam boilers.

INDUSTRY-LEADING VALUE

- 10-year waterside corrosion warranty (residential only, under 300 MBH only)

INDUSTRY-LEADING DESIGN FOR RELIABILITY & PERFORMANCE

- Robust, corrosion-resistant cast iron sectional design extends heat exchanger life in a wide variety of water conditions
 - Larger “steam chest” with increased steam disengaging area above a stable water line; wider internal waterways
 - No heat transfer pins above water line, no crown sheet fins; greater corrosion resistance in critical areas
 - More heat transfer pins below water line, provide ample heat transfer and efficiency
 - Leak-free metal push nipples, not gaskets
- Steam risers in intermediate sections promote stable water line & smooth steam flow
 - 2” supply tapplings, 2” skimming port tapping

INDUSTRY-LEADING SIMPLICITY FOR STEAM INSTALLATIONS

- Available pre-cut, near boiler piping kits for perfect piping every time (residential models 075-250 MBH)
- Rear, low-profile draft diverter clears low overhead and eases installation
- Tappings on both sides of boiler for greater piping flexibility and additional controls
- Packaged boilers or knock-downs, full, split or individual sectional assemblies
- Additional tapping (1.25”) for indirect/hydronic zone



SteamMax: Technical Information



Standard Equipment

- UNMATCHED 10-yr limited heat exchanger warranty, 10-yr limited waterside corrosion
- Cast iron sectional design with metal push nipples
 - Wide waterways
 - Heat transfer pins below water line
 - Large steam disengaging area (steam chest)
 - Tappings on both sides of boiler
- SteamMax boiler control suite
- Industrial-grade pressuretrol
- Probe-type low water cut-off
- Optimized stainless steel burners
- Step-opening gas valve
- 2" risers
- Rear-mounted low profile draft diverter
- Vent damper (models 075-299)
- Junction box
- Thermostat isolating relay
- 15 PSI relief valve
- Gauge glass

Residential Builds (100-550 MBH)

- Combustion controls, continuous retry ignition (Honeywell S8610M)
- Draw rods/nuts/plates included as needed

Commercial Builds (450-550 MBH)

- Dual combustion controls, manual reset ignition, alarm (UTEC®1003 and UTEC 1145-2)
- Additional auxiliary LWCO & pressuretrol, manual reset
- Draw rods/nuts/plates included

SteamMax Ratings & Specifications (Natural Gas Only)

Model	Input ¹ (MBH)	Output (MBH)	Net AHRI Rating ²		AFUE (%)	Combustion Efficiency (%)	Sections	Vent Size (In.)	Approx Ship Weight (lbs.)
			Steam (sq.ft.)	Steam (MBH)					
STMX075	75	62	169	47	82.0	—	3	5	N/A ⁵
STMX100	100	82	258	62	82.0	—	3	5	484
STMX125	125	103	321	77	82.0	—	4	6	600
STMX150	150	124	388	93	82.0	—	4	6	600
STMX175	175	144	450	108	82.0	—	5	7	729
STMX200	200	165	517	124	82.0	—	5	7	729
STMX250	250	206	646	155	82.0	—	6	8	842
STMX299	299	246	771	185	82.0	—	7	8	881 ⁶
STMX350	350	284	892	213	81.0 ³	82.5	8	9 ⁴	1,008 ⁶
STMX399	399	323	1,013	242	81.0 ³	82.5	9	9 ⁴	1,123 ⁶
STMX450	450	365	1,142	274	81.0 ³	82.5	10	10 ⁴	1,239 ⁶
STMX500	500	405	1,271	304	81.0 ³	82.5	11	10 ⁴	1,354 ⁶
STMX550	550	446	1,396	335	81.0 ³	82.5	12	12 ⁴	1,469 ⁶

Accessories:

- Near boiler piping kit
 - 75-150 MBH P/N: 111295-01
 - 175-250 MBH P/N: 111296-01
- Input conversion kit (100 to 75 MBH) P/N: 111251-01

- 1 Input ratings can be used for elevations up to 2000 ft.
- 2 Net AHRI Ratings shown are based on a piping and pickup allowance of 1.333. The manufacturer should be consulted before selecting a boiler for installations having unusual piping and pickup requirements, such as intermittent operation, extensive piping systems, etc.
- 3 Thermal efficiency
- 4 Final Size
- 5 Conversion kit required, see "Accessories"
- 6 Weight for knock-down units

SteamMax Dimensions (inches)

Model	A	B	C	D	E	F	G	Supply (NPT)	Return (NPT)	Gas Connection (NPT)
STMX075	17	5	6	—	—	8-1/2	—	(1) 2	2	1/2
STMX100	17	5	6	—	—	8-1/2	—	(1) 2	2	1/2
STMX125	22	6	6-1/2	—	—	11	—	(1) 2	2	1/2
STMX150	22	6	6-1/2	—	—	11	—	(1) 2	2	3/4
STMX175	27	7	7	—	—	13-1/2	—	(2) 2	2	3/4
STMX200	27	7	7	—	—	13-1/2	—	(2) 2	2	3/4
STMX250	32	8	7-1/2	—	—	16	—	(2) 2	2	3/4
STMX299	37	8	7-1/2	—	—	18-1/2	—	(2) 2	2	3/4
STMX350	42	6 & 7	—	—	23-3/16	11	17-1/2	(3) 2	2	3/4
STMX399	47	6 & 8	—	—	23-3/16	11	20	(3) 2	2	1
STMX450	52	7 & 8	—	28-3/16	18-3/16	13-1/2	22-1/2	(4) 2	2	1
STMX500	57	8 & 8	—	33-3/16	23-3/16	16	25	(4) 2	2	1
STMX550	62	8 & 8	—	38-3/16	23-3/16	16	27-1/2	(4) 2	2	1

