

# EVOLUTION<sup>®</sup>

Higher Efficiency Heating Equipment

## High Efficiency Outdoor Boilers Model EVO

Thermal Solutions has designed its Evolution "high efficiency" copper-fin boilers to be the industry standard for performance, quality, and reliability for any commercial space heating application.

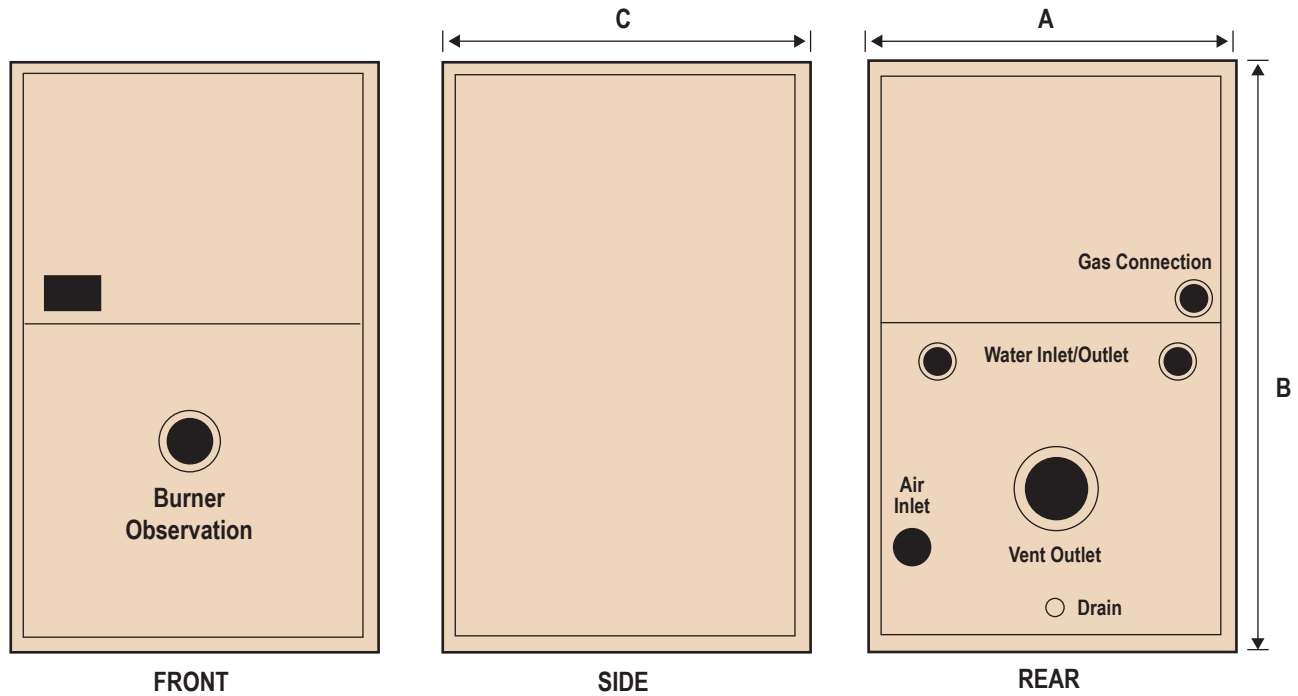
- 500,000 – 2,000,000 btuh input.
- Rugged and Robust Gasketless Heat Exchanger Design with Unmatched Fireside heating surface and thick copper tubes (0.072").
- Vertical two-pass copper fin tube configuration with symmetrical heating for improved heat transfer.
- Advanced combustion system is "whisper quiet" (<50dBA noise level) and environmentally clean (<10 ppm NOx and < 50 ppm CO emissions).
- Maintenance-free burner with 10-year warranty!
- Small footprint.
- Industrial-grade microprocessor-based flame safeguard provides combustion management and safety.
- Heavy, 16-gauge, powder coated, negative pressure lockable steel jacket is designed for outdoor use
- All rear connections allows for minimum side-to-side clearances and ease of installation/service.
- Corrosion resistant stainless steel combustion chamber enclosure
- UL Rated for stand-alone outdoor installation requiring no additional weather protection – UL Certified as a package.




**THERMAL<sup>®</sup>**  
**SOLUTIONS**  
Innovative Equipment for Hot Water Systems



### Ratings and Dimensional Data



BOILER RATINGS DATA 	EVO-500	EVO-750	EVO-1000	EVO-1500	EVO-2000
Input, MBH	500	750	1,000	1,500	2,000
Gross Output, MBH	431	621	817	1,250	1,696
Net Ratings, Water MBH*	374	540	711	1,087	1,475
Boiler Horsepower	12.9	18.6	24.4	37.3	50.7
Sq. Ft. per BHP	9.6	7.1	7.2	7.1	6.9

DIMENSIONAL DATA	EVO-500	EVO-750	EVO-1000	EVO-1500	EVO-2000
Width "A"	28.3"	28.3"	28.3"	28.3"	28.3"
Depth "C"	30.3"	30.3"	30.3"	30.3"	30.3"
Height "B"	71.2"	60.9"	67.3"	79.4"	91.8"
Gas Connection (NPT)	1"	1"	1.5"	1.5"	1.5"
Water Inlet (NPT)	2"	3"	3"	3"	3"
Water Outlet (NPT)	2"	3"	3"	3"	3"
Air Inlet Connection (NPT)	4"	6"	6"	8"	8"
Vent Connection (NPT)	4"	4"	6"	6"	6"
Boiler Drain Connection (NPT)	1"	1"	1"	1"	1"
Condensate Drain Connection (NPT)	5/8"	5/8"	5/8"	5/8"	5/8"
Shipping Weight (LBS)	772	1,097	1,185	1,327	1,461

Please refer to Evolution (EVA) Boiler Sales Literature for additional product features and design details.

\*Net water ratings shown are based upon an allowance of 1.15.

Dimensions are shown in Inches

The manufacturer should be consulted before selecting a boiler for installations having unusual piping and pickup requirements, such as intermittent system operation, extensive piping systems, etc. The ratings have been determined under the provisions governing forced draft boiler-burner units.