

# Specification Data Sheet - TS Series Midsize Electro-Boiler™

## STANDARD EQUIPMENT

### Staging - EB-MS-\*\*

- Supply water sensing
- Regulates to front panel selected temperature
- Staging indicator lights
- DC Power Relays
- Hi-limits: 1<sup>st</sup> - automatic reset at 190° F  
2<sup>nd</sup> - manual reset at 205° F
- Circulator switching relay - 10-amp maximum
- Thermostat or end switch connection (R and W)
- Utility load control provisions
- 2.2 gl. Steel vessel ASME "H" Stamp (20-year warranty)
- Supply temperature/pressure gauge

- Safety relief valve (30 PSI)
- Optional standby boiler control kit, plug-in
  - Standby switch and boiler contact
- Made in the USA

### Modulating - EB-MA-\*\*

- Same as EB-MS-\*\* PLUS
- Modulates at a tighter temperature control
- Standby control package

### Modulating - EB-MO-\*\*

- Same as EB-MA-\*\* PLUS
- Outdoor sensing with outdoor reset capability. The target supply temperature ramps up as it is colder outside.

## WATER FLOW REQUIREMENTS (MINIMUM 2 GPM WATER FLOW THROUGH BOILER)

Model	Water Temperature Rise											
	Flow - 10° F/6° C		Head Loss		Flow - 20° F/11° C		Head Loss		Flow - 30° F/16° C		Head Loss	
	gpm	lpm	ft	m	gpm	lpm	ft	m	gpm	lpm	ft	m
EB-M*-10	6.82	25.82	.01	.003	3.41	12.91	.004	.001	2.27	8.59	.001	.001
EB-M*-15	10.23	38.73	.03	.009	5.11	19.34	.01	.003	3.41	12.91	.004	.001
EB-M*-20	13.65	51.66	.07	.02	6.82	25.01	.02	.006	4.55	17.22	.01	.003

\* = S, A, or O

Note: Head Loss based on 110° F return temperature.

## ELECTRIC SUPPLY

Model	Volts	Watts	Amps	kW	Phase	Btu/h	CB†
EB-M*-10	240	10,000	41.66	10	1-60	34,130	60
EB-M*-15	240	15,000	62.50	15	1-60	51,195	60 + 30
EB-M*-20	240	20,000	83.33	20	1-60	68,260	60 + 60

\* = S, A, or O

† Canadian models include single feed bus option where applicable.

## CLEARANCES

	MINIMUM CLEARANCE FROM COMBUSTIBLE SURFACES		SUGGESTED MINIMUM SERVICE CLEARANCE	
	0 INCH	0 MM	0 INCH	0 MM
BACK	0 INCH	0 MM	0 INCH	0 MM
LEFT	1 INCH	25 MM	12 INCHES	305 MM
RIGHT	1 INCH	25 MM	6 INCHES	152 MM
FRONT	1 INCH	25 MM	24 INCHES	610 MM
TOP	1 INCH	25 MM	24 INCHES	610 MM
BOTTOM	REQUIRED CLEARANCE - 18 INCHES/457 MM			

## SHIPPING WEIGHT

Model	Weight (lbs)
EB-M*-10	76
EB-M*-15	77
EB-M*-20	78



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# Electro-Boiler EB-M\* series

DIMENSIONS ARE: MM  
IN.

Hydronic Boilers  
Submittal Data

