

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

## STANDARD EQUIPMENT

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

- Supply water sensing
- Regulates to front panel selected temperature
- Temperature range 90° F to 170° F
- 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)
- Standby switch and backup boiler contact

- Utility load control provisions
- 2.2 gl. steel vessel ASME "H" Stamp (20-year warranty)
- Supply temperature/pressure gauge
- Safety relief valve (30 PSI)
- Made in the USA

### Modulating - EB-MX-\*\*

- Same as EB-MS-\*\* PLUS
- Modulates for tighter temperature control
- Temperature range 90° F to 180° F
- Outdoor sensing with outdoor reset capability, the target supply temperature ramps up as it gets 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*-12	7.8	29.53	.02	.006	3.92	14.84	.007	.002	2.6	9.84	.002	.001
EB-M*-15	10.23	38.73	.03	.009	5.11	19.34	.01	.003	3.41	12.91	.004	.001
EB-M*-17	11.9	45.05	.05	.015	5.97	22.6	.01	.003	3.98	15.02	.007	.002
EB-M*-20	13.65	51.66	.07	.02	6.82	25.01	.02	.006	4.55	17.22	.01	.003

\* = S or X

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

## ELECTRIC SUPPLY

Model	Volts	Phase	kW	Watts	Btu/h	Amps	CB†
EB-M*-10	240/208	1-60	10/7.5	10,000/7,500	34,121/25,591	41.7/36.1	60A
EB-M*-12	240/208	1-60	11.5/8.6	11,500/8,600	39,239/29,429	47.9/41.5	60A
EB-M*-15	240/208	1-60	15/11.3	15,000/11,300	51,182/38,386	62.5/54.1	60A + 30A
EB-M*-17	240/208	1-60	17.5/13.1	17,500/13,100	59,712/44,784	72.9/63.1	60A + 45A
EB-M*-20	240/208	1-60	20/15	20,000/15,000	68,242/51,182	83.3/72.1	60A + 60A

\* = S or X

† 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	1 INCH	25 MM	12 INCHES	305 MM
LEFT	1 INCH	25 MM	12 INCHES	305 MM
RIGHT	1 INCH	25 MM	12 INCHES	305 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			

## WEIGHT

Model	Weight (lbs)	Model	Weight (lbs)
EB-M*-10		EB-M*-17	
EB-M*-12		EB-M*-20	
EB-M*-15			



**ELECTRO INDUSTRIES**

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# Electro-Boiler EB-M\* series

DIMENSIONS ARE: MM  
IN.

Hydronic Boilers  
Submittal Data

