

Submittal Data Sheet - TS Series Midsize Electro-Boiler™

PROJECT INFORMATION

Job Name: _____

Location: _____

Engineer: _____

Contractor: _____

Mfg. Rep: _____

Part No. Ordered: _____

PO Number: _____

Date Submitted: _____

STANDARD EQUIPMENT

Staging - EB-MS-**

- Supply water sensing
- Regulates to front panel selected temperature
- Staging indicator lights
- DC Power Relays
- Hi-limits: 1st - automatic reset at 190° F
2nd - 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

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

CLEARANCES

	MINIMUM CLEARANCE FROM COMBUSTIBLE SURFACES		SUGGESTED MINIMUM SERVICE CLEARANCE	
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			



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Electro-Boiler EB-M* series

DIMENSIONS ARE: MM
IN.

Hydronic Boilers Submittal Data

