

Specification Data Sheet - TS Standard Electro-Boiler™

STANDARD EQUIPMENT

Staging - EB-S-**

- 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
- 6.5 gl. Steel vessel ASME "H" Stamp (20-year warranty*)
- Supply temperature/pressure gauge

* 20-year warranty does not apply to 3-phase models.

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

Modulating - EB-WA-**

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

Modulating - EB-WO-**

- Same as EB-WA-** 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-**-13	9.21	34.86	.03	.009	4.60	17.41	.01	.003	3.07	11.62	.004	.001
EB-**-18	12.28	46.49	.06	.018	6.14	23.24	.02	.006	4.09	15.48	.01	.003
EB-**-23	15.35	58.11	.09	.027	7.67	29.03	.02	.006	5.11	19.34	.01	.003
EB-**-27	18.43	69.77	.13	.039	9.21	34.86	.03	.009	6.14	23.24	.02	.006
EB-W*-13-2	9.21	34.86	.03	.009	4.60	17.41	.01	.003	3.07	11.62	.004	.001
EB-W*-27-2	18.43	69.77	.13	.039	9.21	34.86	.03	.009	6.14	23.24	.02	.006

** = S, WA, or WO

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

ELECTRIC SUPPLY

Model	Volts	Watts	Amps	kW	Phase	Btu/h	CB
EB-**-13	240	13,500	56	13.5	1-60	46,075	60 + 30
EB-**-18	240	18,000	75	18	1-60	61,434	60 + 60
EB-**-23	240	22,500	94	22.5	1-60	76,792	60 + 60 + 30
EB-**-27	240	27,000	113	27	1-60	92,151	60 + 60 + 60
EB-W*-13-2	208	13,500	37.5	13.5	3-60	46,075	50
EB-W*-27-2	208	27,000	75	27	3-60	92,151	100

** = S, WA, or WO

CLEARANCES

	MINIMUM CLEARANCE FROM COMBUSTIBLE SURFACES		SUGGESTED MINIMUM SERVICE CLEARANCE	
	0 INCH	0 MM	0 INCH	0 MM
BACK				
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 - 16 INCHES/406 MM			

SHIPPING WEIGHT

Model	Weight (lbs)
EB-**-13	150
EB-**-18	152
EB-**-23	153
EB-**-27	155
EB-W*-13-2	150
EB-W*-27-2	155



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Electro-Boiler EB-S/EB-W* series

DIMENSIONS ARE: MM
IN.

Hydronic Boilers
Submittal Data

