

Specification Data Sheet - TS Standard Series Electro-Boiler™

STANDARD EQUIPMENT

Staging - EB-S-**

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

- 6.5 gl. steel vessel ASME "H" Stamp
- Supply temperature/pressure gauge
- Safety relief valve (30 PSI)
- Made in the USA

Modulating - EB-WX-**

- Same as EB-S-** *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-**-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-WX-13-2	9.21	34.86	.03	.009	4.60	17.41	.01	.003	3.07	11.62	.004	.001
EB-WX-27-2	18.43	69.77	.13	.039	9.21	34.86	.03	.009	6.14	23.24	.02	.006

** = S or WX

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

ELECTRIC SUPPLY

Model	Volts	Phase	kW	Watts	Btu/h	Amps	CB†
EB-**-13	240/208	1-60	13.5/10.1	13,500/10,100	46,063/34,547	56.3/48.7	60A + 30A
EB-**-18	240/208	1-60	18/13.5	18,000/13,500	61,418/46,063	75.0/64.9	60A + 60A
EB-**-23	240/208	1-60	22.5/16.9	22,500/16,900	76,773/57,579	93.8/81.1	60A + 60A + 30A
EB-**-27	240/208	1-60	27/20.3	27,000/20,300	92,127/69,095	112.5/97.4	60A + 60A + 60A
EB-WX-13-2	208	3-60	13.5	13,500	46,063	37.5	50A
EB-WX-27-2	208	3-60	27	27,000	92,127	74.9	100A

** = S or WX

† Canadian models include single feed bus option where applicable.

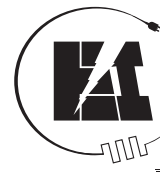
CLEARANCES

	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	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-**-13		EB-**-27	
EB-**-18		EB-WX-13-2	
EB-**-23		EB-WX-27-2	

** = S or WX



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

DIMENSIONS ARE: MM
IN.

Hydronic Boilers
Submittal Data

