

# Specification Data Sheet - TS Large Electro-Boiler™

## WATER FLOW REQUIREMENTS (MINIMUM 4 GPM WATER FLOW THROUGH BOILER)

Model	Water Temperature Rise											
	Flow - 20° F/6° C		Head Loss		Flow - 30° F/11° C		Head Loss		Flow - 40° F/16° C		Head Loss	
	gpm	lpm	ft	m	gpm	lpm	ft	m	gpm	lpm	ft	m
EB-C*-18-60	6.14	23.24	.002	.0006	4.09	15.48	.001	.0003	3.07†	11.62†	.0008	.0002
EB-C*-24-60	8.19	31.00	.002	.0006	5.46	20.66	.001	.0003	4.09	15.48	.0008	.0002
EB-C*-30-60	10.23	38.72	.06	.018	6.82	25.81	.07	.021	5.11	19.34	.07	.021
EB-C*-36-60	12.28	46.49	.01	.003	8.19	31.00	.004	.001	6.14	23.24	.002	.0006
EB-C*-45-60	15.35	58.10	.02	.006	10.23	38.72	.01	.003	7.67	29.03	.01	.003
EB-C*-54-60	18.43	69.77	.02	.006	12.28	46.49	.01	.003	9.21	34.86	.01	.003
EB-C*-18-48	6.14	23.24	.002	.0006	4.09	15.48	.001	.0003	3.07†	11.62†	.0008	.0002
EB-C*-36-48	12.28	46.49	.01	.003	8.19	31.00	.004	.001	6.14	23.24	.002	.0006
EB-C*-54-48	18.43	69.77	.02	.006	12.28	46.49	.01	.003	9.21	34.86	.01	.003
EB-C*-27-20	9.21	34.86	.01	.003	6.14	23.24	.002	.0006	4.60	17.41	.001	.0003
EB-C*-40-20	13.82	52.32	.01	.003	9.21	34.86	.01	.003	6.91	26.16	.003	.0009
EB-C*-27-24	9.21	34.86	.01	.003	6.14	23.24	.002	.0006	4.60	17.41	.001	.0003
EB-C*-40-24	13.82	52.32	.01	.003	9.21	34.86	.01	.003	6.91	26.16	.003	.0009
EB-C*-31	10.75	40.69	.06	.018	7.16	27.10	.07	.021	5.37	20.33	.07	.021
EB-C*-36	12.28	46.49	.06	.018	8.19	31.00	.06	.018	6.14	23.24	.07	.021
EB-C*-40	13.65	51.67	.01	.003	9.10	34.44	.01	.003	6.82	25.81	.003	.0009
EB-C*-44	15.01	56.82	.02	.006	10.01	37.89	.01	.003	7.50	28.39	.01	.003

\* = A or O

† Result below minimum required flow of boiler, make sure system design provides minimum flow requirements of boiler.

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

## ELECTRIC SUPPLY

Model	Volts	Watts	Amps	kW	Phase	Btu/h	CB
EB-C*-18-60	600	18,000	17	18	3-60	61,000	20
EB-C*-24-60	600	24,000	23	24	3-60	81,600	30
EB-C*-30-60	600	30,000	29	30	3-60	102,000	45
EB-C*-36-60	600	36,000	35	36	3-60	123,000	45
EB-C*-45-60	600	45,000	44	45	3-60	153,000	60
EB-C*-54-60	600	54,000	52	54	3-60	184,000	70
EB-C*-18-48	480	18,000	22	18	3-60	61,434	30
EB-C*-36-48	480	36,000	44	36	3-60	122,868	60
EB-C*-54-48	480	54,000	65	54	3-60	184,302	80
EB-C*-27-20	208	27,000	75	27	3-60	92,151	100
EB-C*-40-20	208	40,500	113	40.5	3-60	138,226	150
EB-C*-27-24	240	27,000	65	27	3-60	92,151	80
EB-C*-40-24	240	40,500	98	40.5	3-60	138,226	125
EB-C*-31	240	31,500	131	31.5	1-60	107,509	100 + 80
EB-C*-36	240	36,000	150	36	1-60	122,868	100 + 100
EB-C*-40	240	40,000	167	40	1-60	136,000	125 + 125
EB-C*-44	240	44,000	183	44	1-60	150,000	125 + 125

## SHIPPING WEIGHT

Model	Weight (lbs)	Model	Weight (lbs)
EB-C*-18-60	225	EB-C*-27-20	227
EB-C*-24-60	227	EB-C*-40-20	233
EB-C*-30-60	230	EB-C*-27-24	227
EB-C*-36-60	232	EB-C*-40-24	233
EB-C*-45-60	233	EB-C*-31	230
EB-C*-54-60	237	EB-C*-36	232
EB-C*-18-48	225	EB-C*-40	233
EB-C*-36-48	232	EB-C*-44	233
EB-C*-54-48	237		

## 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	16 INCHES	406 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			



Specifications subject to change without notice, all rights reserved.



ELECTRO INDUSTRIES, INC.

2150 West River Street, PO Box 538, Monticello, MN 55362  
763.295.4138 • 800.922.4138 • fax 763.295.4434  
sales@electromn.com • www.electromn.com

# STANDARD EQUIPMENT

Staging - EB-CA-\*\*

- Supply water sensing
- Regulates to front panel selected temperature
- Staging indicator lights
- Heavy duty contactors
- 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

- 13.1 gl. Steel vessel ASME "H" Stamp
- 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

Staging - EB-CO-\*\*

- Same as EB-CA-\*\* PLUS
- Adds outdoor reset capability

## Electro-Boiler EB-C\* series

dimensions are:  $\left[ \frac{\text{mm}}{\text{in.}} \right]$

Hydronic Boilers  
Submittal Data

