



# ELECTRICALLY OPERATED STEAM GENERATOR



MODEL	CAPACITIES	
	kW	LBS/Hr
CE-24S, CE-324S	24	69
CE-36S, CE-336S	36	107
CE-42S, CE-342S	42	128
CE-48S, CE-348S	48	148

### OPERATION SHALL BE BY:

Electrically operated steam boiler, steam rated at 15 psi (103 kPa). Electrically rated at:

- 24kW, 1 and 3 phase
- 36kW, 3 phase
- 42kW, 3 phase
- 48kW, 3 phase, 240 VAC minimum

The boiler shall be equipped for operation on:

- 208 VAC 1 Phase, 50/60 Hz
- 208 VAC 3 Phase, 50/60 Hz
- 240 VAC 1 Phase, 50/60 Hz
- 240 VAC 3 Phase, 50/60 Hz

### OPTIONAL ITEMS AT EXTRA COST:

- Automatic boiler blow down
- Split water lines (boiler feed and condensate)
- Stainless steel frame
- Stainless steel rear panel
- California code
- CSD-1
- 220 VAC 1 Phase, 50/60 Hz
- 220 VAC 3 Phase, 50/60 Hz
- 380 VAC 3 Phase, 50/60 Hz
- 415 VAC 3 Phase, 50/60 Hz
- 480 VAC 3 Phase, 50/60 Hz
- 415/240 VAC 3 Phase, 50/60 Hz
- 380/220 VAC 3 Phase, 50/60 Hz
- Front flanged feet
- Rear flanged feet
- Correctional package

### ACCESSORIES:

- Steam take off kit (STOK)
- De-liming kit (DPA-1) not available with CSD-1
- Water in "Y" strainer

### SPECIFICATIONS:

Shall be a Southbend model \_\_\_\_\_, electrically heated steam boiler in a cabinet base suitable for operation at any pressure from 9 - 11 psi (62 - 76 kPa). Polished #4 finish stainless steel cabinet base shall be equipped with 6" (152 mm) stainless steel legs fitted with adjustable bullet feet, reinforced stainless steel counter top, and hinged door(s) with magnetic latch. All piping shall be confined within the cabinet.

Unit shall come standard with automatic water level control, pressure gauge, water gauge glass, pressure control with secondary safety pressure control, safety relief valve and cathodic protector.

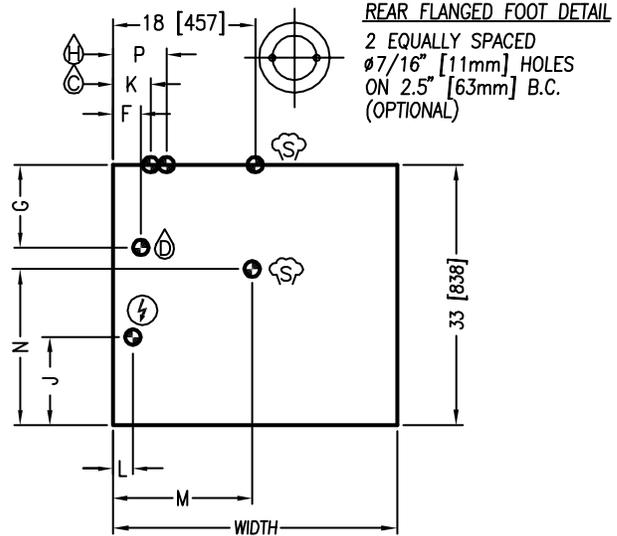
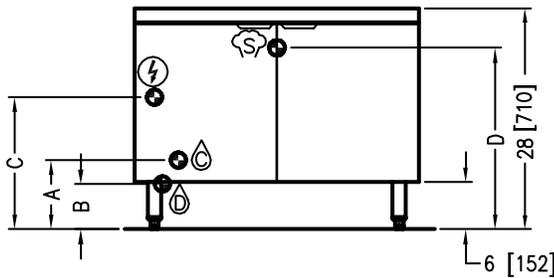
Thermostatically controlled cold water shall automatically condensate exhausted steam into water before releasing in to the drain.

Boiler shall be ASME Code stamped and National Board Registered and shall be c-CSA-us and NSF certified.

Job \_\_\_\_\_  
Item# \_\_\_\_\_



WIDTH	24 kW	36kW	42kW	48kW	MINIMUM CLEARANCE	
	24" 610 mm	CE-24S	CE-36S	CE-42S	CE-48S	SIDES
36" 914 mm	CE-324S	CE-336S	CE-342S	CE-348S	BACK	0



**SERVICE CONNECTIONS**

- COLD WATER: 3/8" O.D. tubing at 25-50 PSI (170 - 345 kPa).
- HOT WATER: 3/8" O.D. tubing at 25-50 PSI (170 - 345 kPa).
- DRAIN: 2" (51 mm) IPS piped to open floor drain. No solid connection.
- ELECTRICAL CONNECTION: Field wiring electrical connection to be as specified on data plate.
- STEAM TAKE-OFF CONNECTION: 3/4" (19 mm) IPS to operate adjacent equipment.

**ELECTRICAL CHARACTERISTICS**

kW	PHASE	OUTPUT MAX. LBS/HR	AMPS PER LINE					
			208V	220V	240V	380V	415V	480V
24	1	69	115.4	109.1	100.0	N/A	N/A	N/A
	3	69	66.6	62.9	57.7	36.5	33.4	28.9
36	3	107	99.9	94.5	86.6	54.7	50.1	43.3
42	3	128	116.6	110.2	101.0	63.8	58.4	50.5
48	3	148	N/A	N/A	115.5	72.9	33.4	57.7

**DIMENSIONS**

WIDTH	SHIPPING WEIGHT	UNITS	A	B	C	D	E	F	G	H	J	K	L	M	N	P
24" 610 mm	350 lbs. [159 kg]	in (mm)	8.75"	5.75"	16.7"	23"	8.75"	3.5"	10.5"	2.5"	11.12"	2.75"	2.5"	13"	19.75"	4.75"
			(222)	(146)	(425)	(584)	(222)	(89)	(267)	(64)	(283)	(70)	(64)	(330)		(121)
36" 914 mm	415 lbs. [188 kg]		8.75"	5.75"	16.7"	23"	18"	3.5"	10.5"	2.5"	11.12"	4.75"	2.5"	21.25"	(502)	6.75"
			(222)	(146)	(425)	(584)	(457)	(89)	(267)	(64)	(283)	(121)	(64)	(540)		(171)

**WATER QUALITY STATEMENT**

Water quality is the major factor affecting the performance of your appliance. If you are unsure of water quality, consult a local water treatment specialist and have the water analyzed. Your water supply must be within these general guidelines:

- Total dissolved solids ..... Less than 60 PPM
- Total alkalinity ..... Less than 20 PPM
- Silica ..... Less than 13 PPM
- Chlorine ..... Less than 30 PPM
- pH Factor ..... 7.0 - 8.5

Water which fails to meet these standards should be treated by installation of water conditioner.

**FAILURE OR MALFUNCTION OF THIS APPLIANCE DUE TO POOR WATER QUALITY IS NOT COVERED UNDER WARRANTY. CONTACT SOUTHBEND FOR WATER QUALITY SOLUTIONS.**

**INTENDED FOR COMMERCIAL USE ONLY.  
NOT FOR HOUSEHOLD USE.**



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