



# ELECTRICALLY OPERATED STEAM GENERATOR



- CE-24
- CE-324
- CE-36
- CE-336
- CE-42
- CE-342
- CE-48
- CE-348

### 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
- 220 VAC 1 Phase, 50/60 Hz
- 220 VAC 3 Phase, 50/60 Hz
- 240 VAC 1 Phase, 50/60 Hz
- 240 VAC 3 Phase, 50/60 Hz

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

### STANDARD FEATURES:

- Water Treatment System
- CSD-1 boiler controls
- Automatic boiler blowdown
- Split water lines
- Steam take off kit

### OPTIONS & ACCESSORIES

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> Stainless steel frame (SSF-)      | <input type="checkbox"/> 480 VAC 3 Phase, 50/60 Hz              | <input type="checkbox"/> Correctional package                   |
| <input type="checkbox"/> Stainless steel rear panel (SSB-) | <input type="checkbox"/> 415/240 VAC 3 Phase, 50/60 Hz          | <input type="checkbox"/> Water in "Y" strainer (condenser feed) |
| <input type="checkbox"/> 380 VAC 3 Phase, 50/60 Hz         | <input type="checkbox"/> 380/220 VAC 3 Phase, 50/60 Hz          | <input type="checkbox"/> Nickel plated boiler shell (NPBS)      |
| <input type="checkbox"/> 415 VAC 3 Phase, 50/60 Hz         | <input type="checkbox"/> 575 or 600 VAC 3 Phase, 60 Hz (EBVS-3) |   |

### STANDARD CONSTRUCTION SPECIFICATIONS

Shall be a Crown model CE-24, CE-324 or CE-36, CE-336 or CE-42, CE-342 or CE-48, CE-348, 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 with 4 adjustable flanged 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.

Automatic boiler blow-down, split water line, CSD-1 boiler controls, and steam take off kit.

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

**\*SEE REVERSE SIDE OF SPEC SHEET FOR WATER TREATMENT SYSTEM STATEMENTS\***



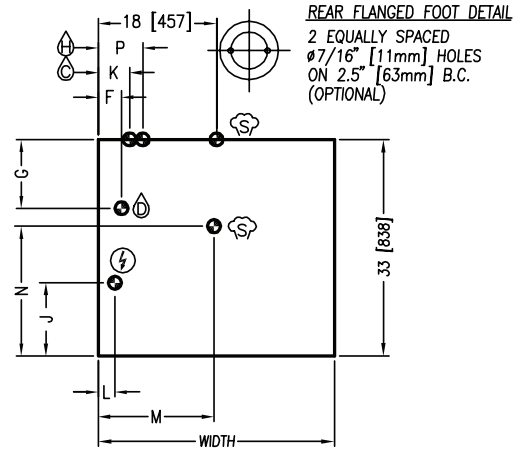
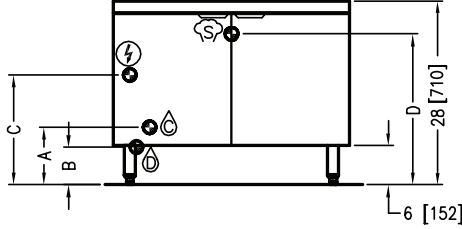
Approval Notes: \_\_\_\_\_

\_\_\_\_\_

CE

**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

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

**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" (222)	5.75" (146)	16.7" (425)	23" (584)	8.75" (222)	3.5" (89)	10.5" (267)	2.5" (64)	11.12" (283)	2.75" (70)	2.5" (64)	13" (330)	19.75" (502)	4.75" (121)
36" 914 mm	415 lbs. [188 kg]		18" (457)										4.75" (121)		21.25" (540)	

**COMPARTMENT PAN CAPACITY**

MODEL	CAPACITIES	
	kW	Lbs/HR
CE-24, CE-324	24	69
CE-36, CE-336	36	107

MODEL	CAPACITIES	
	kW	Lbs/HR
CE-42, CE-342	42	128
CE-48, CE-348	48	148

**WATER QUALITY STATEMENT**

Water is the essential ingredient in steam equipment, water quality is the major factor affecting the performance of your appliance. Crown Steam Group offers a Comprehensive Water Treatment System which exceeds our minimum water requirements. Proof of installation and proper cartridges replacement is required for warranty coverage. Water supply to Crown Steam Group steamers must be within these guidelines.

Total dissolved solids.....	Less than 60 PPM	Chlorine .....	Less than 1.5 PPM
Total alkalinity .....	Less than 20 PPM	pH Factor .....	6.8 - 7.3
Silica.....	Less than 13 PPM		

Water which does not meet these standards should be treated with the installation of Middleby's Water Treatment System. Call 919-762-1000 if you have questions concerning your water meeting these parameters.

\*Failure or malfunction of this appliance due to poor water quality is not covered under warranty.  
**Reference [www.crownsteamgroup.com](http://www.crownsteamgroup.com) for complete warranty details and instructions.**

**DISCLAIMER**

**Terry System Cartridge Changes / Installation** – "2-3 gallons of water MUST be purged at each cartridge change or new installation prior to water supply being fed to the steamer. Failure to do so can result in component damage within the steamer which is not covered under warranty. For additional guidance on proper installation, refer to install documentation provided with each Terry System and Replacement Cartridge Set."

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

