

## TWO COMPARTMENT, 24 PAN, CONVECTION STEAMER ON 36" CABINET BASE WITH ELECTRIC BOILER



ECX-24-SB

### OPERATION SHALL BE BY:

Electrically heated steam boiler operating at 9-11 psi (62-76k Pa) and rated at:

42.0 kw (standard)

The steam boiler shall be equipped for operation on:

208 VAC, 3 Phase, 60 Hz (not available in 48 kw)

240 VAC, 3 Phase, 60 Hz

### Standard Features

- Water Treatment System
- Automatic boiler blowdown
- Split water lines (boiler feed and condensate)
- CSD-1 boiler controls
- Drain tempering system for 140 degree temperature requirement (requires 1/2" cold water connection)

48.0 kw (240 volt min)  
 Stainless steel frame (SSF-)  
 Stainless steel back on cabinet (SSB-)  
 380 VAC, 3 Phase, 50 Hz  
 415 VAC, 3 Phase, 50 Hz

### OPTIONS & ACCESSORIES

480 VAC, 3 Phase, 50 Hz  
 575 or 600 VAC, 3 Phase, 60 Hz (EBVS-3)  
 Load compensate timer  
 Spray and rinse assembly  
 Steam take-off kit

Sheet pan support (SPS-24-1-SB)  
 Sheet pan support with standard pan supports (SPS-24-2-SB)  
 Water in "Y" strainer

### STANDARD CONSTRUCTION SPECIFICATIONS

Shall be a Southbend Steam model **ECX-24-SB** convection steamer with electric steam boiler.

The steamer shall be constructed of satin finish stainless steel, type 304, with a cooking chamber of one piece all welded 316 stainless steel.

The doors shall have a removable inner liner of stainless steel with full perimeter gasket seal, an outer liner of one-piece all welded stainless steel and a positive lock and seal mechanism.

The door opening shall be 17.625" x 26.75" (448 x 680mm).

The steamer shall be provided with removable stainless steel pan supports and a stainless steel drip trough connected to drain to collect condensate when door is opened.

The control housing shall be constructed of stainless steel with a full access removable panel.

The timing of each cooking compartment shall be independently controlled by a "60" minute timer, a green ready pilot light and a red cook pilot light.

At the end of the cooking cycle an audible signal is sounded.

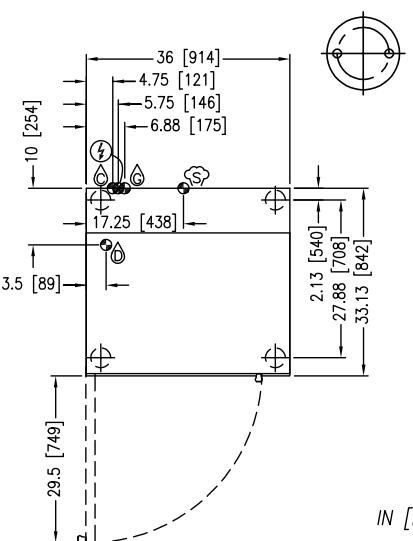
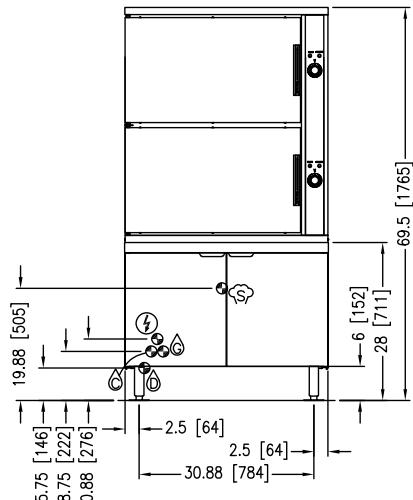
Steam flow to the cooking chamber shall be interrupted when the door is opened during the cooking cycle and shall be reactivated when the door is closed.

The convection steamer shall be mounted on a cabinet base with full perimeter angle frame, reinforced counter, and boiler mountings, electric boiler with controls, all stainless steel exterior, hinged doors and 6" (152 mm) stainless steel legs with 4 adjustable flanged feet for securing to the floor.

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



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

IN [mm]  
8814R1**SERVICE CONNECTIONS**

- Ⓐ – ELECTRICAL CONNECTION: Field wiring electrical connection to be as specified on data plate.
- Ⓑ – GENERATOR: COLD WATER: 1/2" NPT, 25-50 psi (170-345 kPa).
- Ⓒ – CONDENSATE: COLD WATER: 1/2" NPT, 25-50 psi (170-345 kPa).
- Ⓓ – DRAIN: 2" (51 mm) IPS piped to open floor drain. No solid connection.
- Ⓔ – STEAM TAKE-OFF CONNECTION: 3/4" (19 mm) IPS optional to operate adjacent equipment.

**ELECTRICAL CHARACTERISTICS**

MODEL	PHASE	kW	208V	220V	240V	380V	415V	480V
			AMPS	AMPS	AMPS	AMPS	AMPS	AMPS
ECX-24-SB	3	42 (Standard)	116.6	110.2	101	63.8	58.4	50.5
ECX-24-SB	3	48 (Optional)	-	-	115.8	72.9	66.8	57.8

**COMPARTMENT PAN CAPACITY, WEIGHT AND CLEARANCE**

MODEL	PAN DEPTH				
	1"	2-1/2"	4"	4" & 1"	4" & 2-1/2"
ECX-24-SB	24	12	8	4 x 4" 12 x 1"	4 x 4" 2 x 2-1/2"

MODEL	SHIPPING WEIGHT (36" CABINET)	MINIMUM CLEARANCE	
		SIDES	BACK
ECX-24-SB	950 lbs. [408 kg]	0	0

**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.**

