



# ELECTRIC CONVECTION STEAMER ON CABINET BASE



## SPECIFICATIONS:

Shall be a Crown Model \_\_\_\_\_, convection steamer with electric steam boiler base, ASME code stamped and National Board registered. The steamer shall be constructed of #4 finish stainless steel type 304, with a cooking chamber of one-piece, all welded, 316 stainless steel and shall be:

- ECX-2, 13.875" W x 10.875" H x 19.875" D (352 mm x 276 mm x 504 mm).
- ECX-10, 13.875" W x 17.375" H x 19.875" D (352 mm x 441 mm x 504 mm).

The chamber shall be fully insulated and provided with removable stainless steel pan supports. The doors shall have a removable inner liner of stainless steel with full perimeter gasket seal, an outer shell of one piece all welded stainless steel, a positive lock and seal mechanism and a stainless steel drip trough connected to drain to collect condensate when door is opened.

Steamer controls shall be accessible through a full removable side panel and each compartment shall include a 60 minute mechanical timer with ready pilot and cooking light and shall interrupt steam flow to the chamber when the door is opened during cooking cycle and shall be reactivated when the door is closed. An audible signal which will sound at the end of the cooking cycle.

The cabinet base with electric boiler and controls shall be provided with full perimeter angled frame, reinforced boiler mountings, electric boiler with controls, all stainless steel exterior, hinged door(s) with magnetic latch and 6" (152 mm) stainless steel legs with 4 adjustable flanged feet for securing to the floor. Standard boiler controls shall include automatic water level control, pressure gauge, water gauge glass, operating pressure control with pressure safety control, safety relief valve and cathodic protector. Unit comes standard with a water treatment system, split water line, CSD-1 boiler controls, nickel plating, and automatic blowdown.

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

COMPARTMENT PAN CAPACITY					
MODEL	STANDARD BOILER	PAN DEPTH			
		1"	2-1/2"	4"	6"
ECX-2-[24,36]	24 kW	6	3	2	1
ECX-10-[24,36]	36 kW	10	5	3	2

## OPERATION SHALL BE BY:

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

- 24.0 kw (ECX-2-[24,36] standard)
- 36.0 kw (ECX-10-[24,36] standard)
- . The steam boiler shall be equipped for operation on:
  - 208 VAC, 3 Phase, 60 Hz
  - 240 VAC, 3 Phase, 60 Hz
  - 380/220 VAC, 3 PHASE, 60 Hz, 4 wire
  - 415/240 VAC, 3 PHASE, 60 Hz, 4 wire

## STANDARD FEATURES:

- Water Treatment System
- Split water line
- CSD-1 boiler controls
- Automatic blowdown

## OPTIONAL ITEMS AT EXTRA COST:

- 36.0 kw
- 42.0 kw
- 48.0 kw (240 VAC min.)
- 220 VAC, 3 PHASE, 60 Hz
- 380 VAC, 3 PHASE, 60 Hz
- 415 VAC, 3 PHASE, 60 Hz
- 480 VAC, 3 PHASE, 60 Hz
- 575 or 600 VAC, 3 Phase, 60 Hz (EBVS-3)
- Stainless steel rear panel (SSB-)
- Stainless steel frame (SSF-)
- Load compensating timers (LCT)
- Correctional Package
- Water in "Y" strainer (condenser feed)

## ACCESSORIES:

- Spray and rinse assembly
- Steam take-off kit (STOK)

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



Models:

ECX-2-24

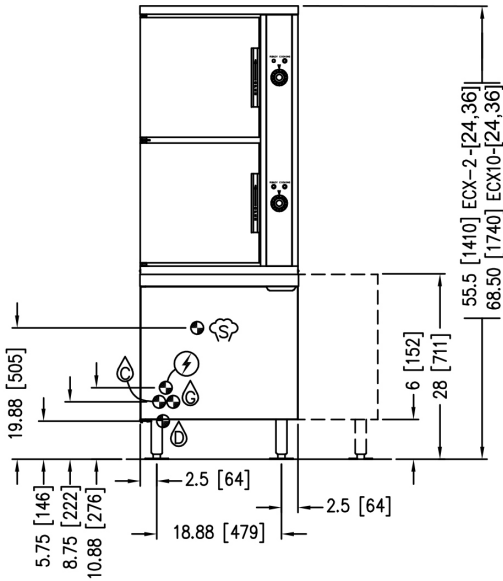
ECX-2-36

ECX-10-24

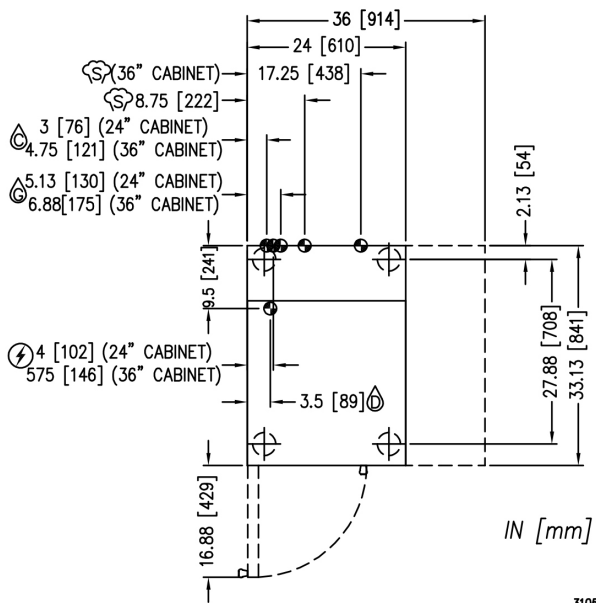
ECX-10-36



**FLANGED FOOT DETAIL**  
 2 EQUALLY SPACED  
 Ø7/16" [11mm] HOLES  
 ON 2.5" [63mm] B.C.



MODEL	SHIPPING WEIGHT (24" CABINET)	SHIPPING WEIGHT (36" CABINET)	MINIMUM CLEARANCE	
			SIDES BACK	0 0
ECX-2-[24,36]	550 lbs. [249 kg]	650 lbs. [255 kg]		
ECX-10-[24,36]	575 lbs. [260 kg]	700 lbs. [317 kg]		



**SERVICE CONNECTIONS**

- ⚡ – ELECTRICAL CONNECTION: Field wiring electrical connection to be as specified on data plate.
- 💧 – BOILER FEED WATER: 1/2" (13 mm) NPT at 25-50 PSI (170-345 kPa).
- 💧 – CONDENSATE COLD WATER: 1/2" (13 mm) NPT at 25-50 PSI (170-345 kPa) (OPTIONAL)
- ⚡ – STEAM TAKE-OFF CONNECTION: 3/4" (19 mm) IPS optional to operate adjacent equipment.
- 🚰 – DRAIN: 2" (51 mm) IPS piped to open floor drain. No solid connection.

**ELECTRICAL CHARACTERISTICS**

MODEL	AVAILABLE kW	
	STAN- DARD	OPTIONAL
ECX-2-[24,36]	24	36, 42, 48
ECX-10-[24,36]	36	42, 48

kW	PHASE	AMPS PER LINE					
		208V	220V	240V	380V	415V	480V
24	3	66.6	63.0	57.8	36.5	33.4	28.9
36	3	99.9	94.5	86.6	54.7	50.1	43.3
42	3	116.6	110.2	101.0	63.8	58.4	50.5
48	3	N/A	N/A	115.5	72.9	66.8	57.7

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

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.

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

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 (919) 762-1000 [www.crownsteamgroup.com](http://www.crownsteamgroup.com)

