



Project _____
AIA # _____ SIS # _____
Item # _____ Quantity _____ C.S.I. Section 114000



OV500E1 Rotating Single Rack Oven – Electric



SPECIFIER STATEMENT

The oven shall be of stainless steel construction, manufactured in the United States by Baxter Mfg. The footprint shall be no larger than 55.0"W x 51.0"D x 104.5"H and shall have an integral hood with a minimum of 31.0" overhang to ensure proper vapor capture. The Type I hood must be UL710 Listed and have a single point exhaust. Control panel shall have programmable settings with auto on/off feature and 4-step bake/roast setting.

The oven's heating system shall be designed with a nominal power rating of 34.2kW and shall utilize a bank of 12 tubular Incoloy®-sheathed elements. Elements shall be sized to maximize life, with a maximum watt density of 32W/in² and shall be individually removable for ease of service. The oven shall also include a patented self-contained spherical cast steam system which shall convert 1.0 gallon of water into steam within 20 seconds at a temperature of 400°F or better. The oven door shall be field reversible and must utilize three panes of glass in the viewing window to ensure a safe to the touch exterior. A patented adjustable flush floor shall be used for easy access without a ramp. The oven shall be equipped with a diagnostic center with status indicator lights and be equipped with built-in levelers.

The oven will bear the following agency approvals: UL for safety, sanitation, and gas for the U.S. & Canada, UL710 for the hood. The exhaust hood shall meet construction requirements of IMC section 507 and NFPA-96.

STANDARD FEATURES

- + Halogen lighting in the bake chamber provides better visibility with better bulb life in high temperature environments
- + Programmable digital control with 99 programmable menus
 - Four stage baking
 - Auto on/off control
 - Cool-down mode
- + Energy saving idle mode reduces oven to stand-by temperature when left idle; idle time and stand-by temperature can be customized to maximize energy savings in your operation
- + Three pane viewing window provides safe to touch exterior
 - Dual panes of glass & a low-E coating on the interior of the window reduces the oven's energy use
 - Single exterior pane is hinged to allow cleaning access to both sides
 - Air gap within the door decreases exterior temperatures
- + Stainless steel construction
- + Patented self-contained spherical cast steam system
- + Hood with plenum and single point vent connection for Type II installations
- + Field reversible bake chamber door (left or right hinged to fit your needs)
- + Patented flush floor – no ramp required
- + Oven body shipped whole (hood, steam system & floor are field installed)
 - **Minimum intake:** 104" x 55" x 51" (uncrated)
- + Holds 1 single oven rack
- + Heavy duty rack lift with "soft start" rotation and rack jam warning system
- + Built-in rollers & levelers for easy installation
- + Manual back-up control

OPTIONS & ACCESSORIES

- ☐ UL Listed, Type I hood with grease filters; Listed to UL 710 standard and meets requirements of NFPA-96
- ☐ Oven body shipped split
 - **Minimum intake:** 104" x 27.5" x 51" (uncrated)
- ☐ Kosher package
- ☐ Prison package
- ☐ Floor extender package
- ☐ "C" style lift carrier
- ☐ Field installed front drain

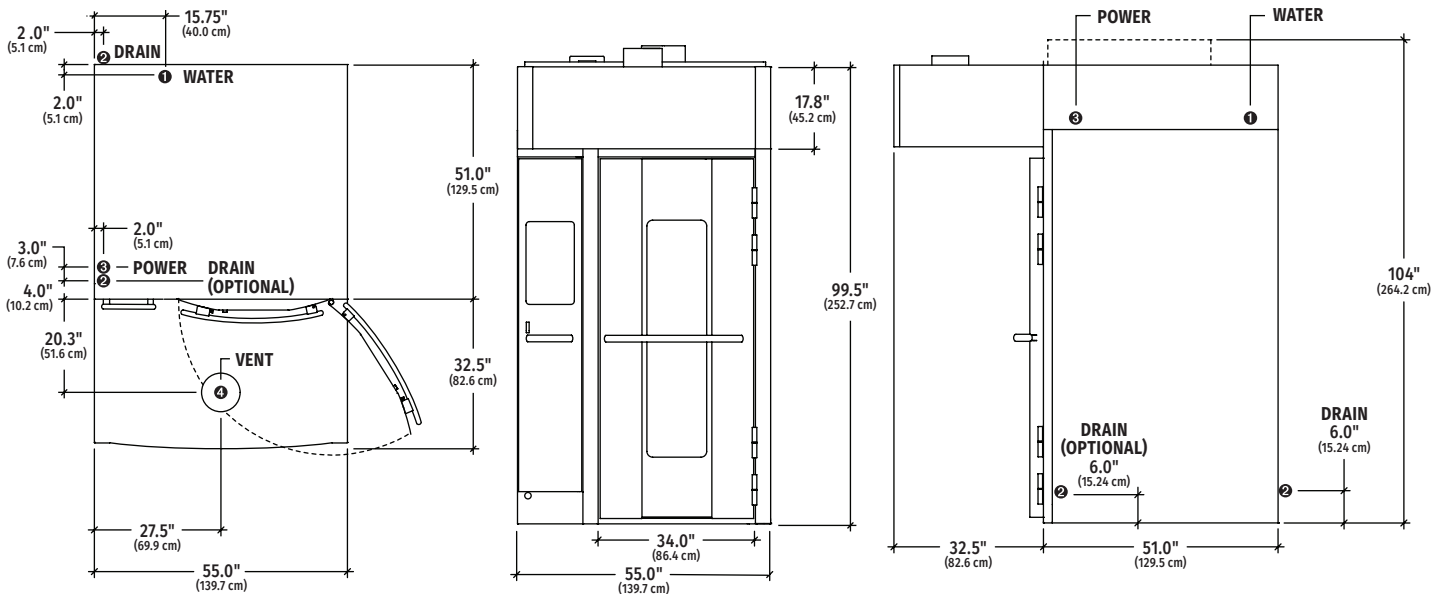
OV500E1 ROTATING SINGLE RACK OVEN – ELECTRIC

Approved by _____ Date _____ Approved by _____ Date _____



OV500E1

Rotating Single Rack Oven – Electric



Highest Point on Oven: 104" (265cm)

KD Shipping Weight: 2,985 lbs (1354kg)

Rack Swing Diameter: 34.5" (87.6 cm)

UTILITIES & NOTES

❶ **Water:** ½" NPT connection @ 94" AFF. Cold water @ 30 psi minimum @ 2.0 GPM flow rate. Maximum water usage 4.0 GPH.

Note: Water supply must have the proper hardness, pH & chloride concentration. Consult your local water company and/or water conditioner dealer before installation.

- **Recommended water hardness range:** 2-4 grains per gallon.
- **Recommended pH range:** 7.0 to 8.0.
- **Acceptable range for chloride concentration:** 0-30 ppm.

❷ **Drain:** Rear drain configuration standard. Field installed front drain accessory available.

- **Front drain:** ½" NPTM @ 6.0" AFF
- **Rear drain:** ½" NPTM @ 6.0" AFF.

❸ **Power:** 2 supplies required:

1. **Heating Circuit - Choose one:**

- 208V/60/3 99.4 amps 34.2kW heating circuit
- 208-240V/60/3 75.4-86.2 amps 25.7-34.2kW heating circuit
- 440-480V/60/3 40.2-43.0 amps 28.7-34.2kW heating circuit

2. **Control Circuit:**

120V/60/1 15 amp dedicated circuit. 20 amp maximum.

❹ **Hood vent:** 8" diameter connection collar. Minimum 690 cfm required with -0.6" w.c. static pressure drop through hood. Customer to supply duct and ventilator fan per local code. Oven provided relay with maximum 10.0 amp ½ H.P. @ 120V output for fan operation.

Ventilator fan is required. Consult local authorities to determine whether Type I (grease) or Type II (vapor) duct will be required. Hood connection suitable for connection to single wall vent, except when products of baking are grease laden.

INSTALLATION

Floor must be level within ⅛" per foot for proper installation. Slope must not exceed ⅜" in all directions under the unit. Floor anchors require minimum of 1" thick solid floor substrate. Caution – To reduce the risk of fire, the appliance must be mounted on floors of non-combustible construction with non-combustible flooring and surface finish and with no combustible material against the underside thereof, or on non-combustible slabs or arches having no combustible material against the underside. Refer to ANSI/UL 197 for further clarification.

Important:

- Do not route utilities (wiring, plumbing, etc.) in or under the non-combustible floor beneath the oven.
- 115" AFF required for oven tilt-up.
- 128" AFF recommended for service access.

The purchaser is responsible for all installation costs and for providing: Disposal of packing materials, labor to unload oven upon arrival, installation mechanics, and all local service connections including electricity, gas, water, vents and drain per local code. A factory authorized installation technician must approve any installation during startup. In order to validate the warranty, start-up must be performed by an authorized service company. All services must comply with federal, state, and local codes.

Minimum clearances to combustible construction:

- 0 inches from sides and back
- 18 inches from top

Service Requirement:

Access to either side and/or back is required for serviceability.