Project _____

AIA # _____ SIS # _____

Item # _____ Quantity _____ C.S.I. Section 114000

COOKING & BAKING

OV520G2

Rotating Double Rack Oven – Energy Efficient Gas



GAS-FIRED

c UL us LISTED

CLASSIFIED UL EPH

ENERGY STAR

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 72.0"W x 62.0"D x 104.5"H and shall have an integral hood with a minimum of 31" overhang to ensure proper vapor capture. The Type I hood must be UL710 Listed and have a single point exhaust. Oven shall have independent electrically interlocked air safety switches for the draft inducer and hood. Control panel shall have programmable settings with touch screen and 6 step bake/roast setting.

The oven shall include an in-shot burner system with a heat exchanger consisting of 18 independent high-temperature, stainless steel tubes. The in-shot burners will have no moving parts. 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 field reversible oven door shall 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 error code screens 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 ENERGY SAVING FEATURES

+ Halogen lighting in the bake chamber provides better visibility and better bulb life in high temperature environments
+ Efficient 275k BTU/Hr. in-shot burner system consumes less gas, but provides high-impact results
+ Airflow design maximizes heat exchanger use, reduces energy consumption and reduces cook time by up to 5%
+ Energy saving idle mode reduces oven to a stand-by temperature when left idle. Idle time and stand-by temperature can be customized to maximize energy savings in your operation
+ Smart Touch™ programmable digital control with touch screen
+ 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

STANDARD FEATURES

+ Stainless steel construction
+ Heat exchanger with weldless construction for longer life. Tubes carry an additional 9 year extended parts and labor warranty
+ 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
+ 100 programmable recipes
+ Oven body shipped split
  - **Minimum intake:** 104" x 62" x 37" (uncrated)
+ Holds 2 single or 1 double oven rack
+ Heavy duty rack lift with "soft start" rotation and rack jam warning system
+ Built-in rollers & levelers for easy installation

OPTIONS & ACCESSORIES

❑ UL Listed, Type I hood with grease filters. Listed to UL 710 standard and meets requirements of NFPA-96.

❑ Floor extender package

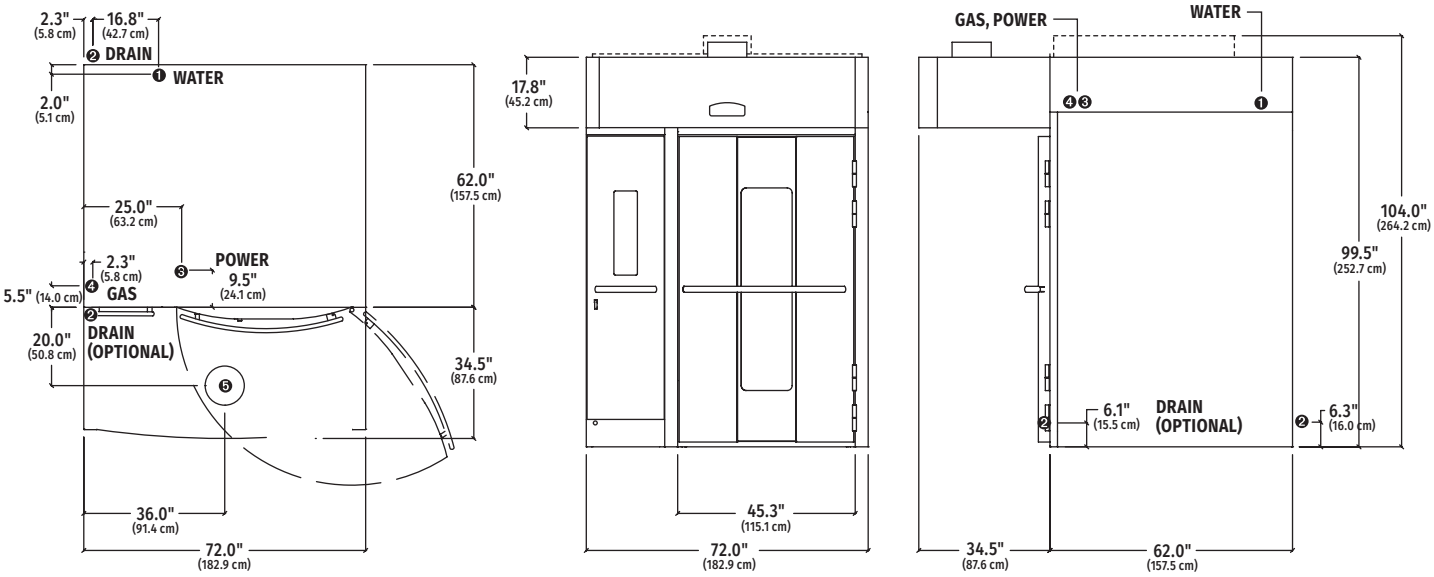
❑ "C" style lift carrier

❑ Field installed front drain

OV520G ROTATING DOUBLE RACK OVEN – ENERGY EFFICIENT GAS

Approved by _____ Date _____ Approved by _____ Date _____

OV520G2
Rotating Double Rack Oven – Energy Efficient Gas



Highest Point on Oven: 104" (265cm) **KD Shipping Weight:** 3,660 lbs (1660kg) **Rack Swing Diameter:** 49.9" (126.7 cm)

UTILITIES & NOTES

❶ **Water:** ½" NPT connection @ 94" AFF. Cold water @ 30 psi minimum @ 3.0 GPM flow rate. Max water usage 6.0 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 @ 6.1" AFF
- **Rear drain:** ½" NPTM @ 6.3" AFF.

❸ **Power: 2 supplies required:**

1. **Heating Circuit - Choose one:**
   - ❑ 208-240V/60/3 5.0-4.4 amps
   - ❑ 440-480V/60/3 2.2-2.4 amps
2. **Control Circuit:**
   120V/60/1 15 amp dedicated circuit. 20 amp max.

❹ **Gas:** 1¼" NPT connection @ 102" AFF.

- **Natural gas (std):** 275k BTU/hr @ 5-14"w.c.
- **Propane (opt):** 275k BTU/hr @ 10-14"w.c.

Note: Input rates will be reduced when oven is installed at elevations above 3000' (915m). Consult factory for elevation correction.

❺ **Hood vent:** 10" dia. connection collar. Min. 900 cfm req. with -0.6" w.c. static pressure drop through hood. Customer to supply duct and ventilator fan per local code. Airflow proving switch is factory installed and integrated with burner system operation. Oven provided relay with max. 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 Type B vent, except when products are grease laden.

INSTALLATION

Floor must be level within ⅛" per foot for proper installation. Slope must not exceed ¾" 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 NFPA 54 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 start-up. 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.

As continued product improvement is a policy of Baxter, specifications are subject to change without notice.

CAD and/or Revit Files Available