Installation Guide

GAS RANGES

KOS-RG MODELS

KOS-24RG03M | KOS-30RG03M

KOS-36RG03M | KOS-48RG03M

KOSTCH

Gas Supply Requirements

Installation of this range must conform with local codes, or in the absence of local codes, with national Fuel Gas Code ANSIZ223.1 / NFPA 54.

In Canada, installation must conform to the current natural Gas Installation /code, CAN 1-1.1-M81 and with local codes where applicable.

This range has been design-certified according to ANSIZ21.1a, latest edition.

Reading	LP in. w.c.	NG (Natural Gas) in. w.c,
Maximum gas pressure	13.0.	10.0
Appliance Regulator Setting for outlet pressure	10.0	5.0

Safety Tips for Gas Operation

- ✓ Keep appliance area clear and free from combustible materials, gasoline, and otherflammable vapors.
- ✓ Do not obstruct the flow of combustion air into the range and ventilation air away from the range.
- ✓ Ventilation: it is a must that the unit be set under a powered, vented exhaust hood of sufficient size and capacity.
- ✓ Before installing the range, you must locate and secure the included anti-tip bracket to thewall for your range.

⚠ CAUTION

- ✓ The use of cabinets for storage above the appliance may result in a potential burn hazard. Combustible items may ignite; metallic items may become hot and cause burns. If a cabinet storage is to be provided, the risk can be reduced by installing a range hood that projects horizontally a minimum of 5" (12.7cm) beyond the bottom of the cabinets.

Dimension and Clearance

⚠ WARNING

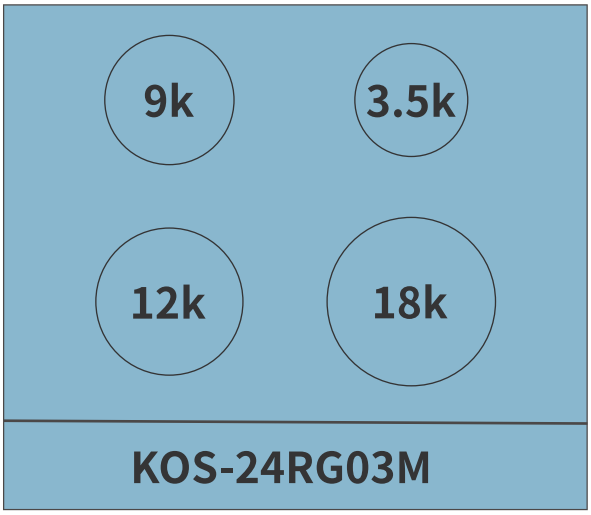
- ✓ The appliance shall not be used for space heating. This information is based on safety considerations.
- ✓ All openings in the wall behind the appliance and in the floor under the appliance shall be sealed.

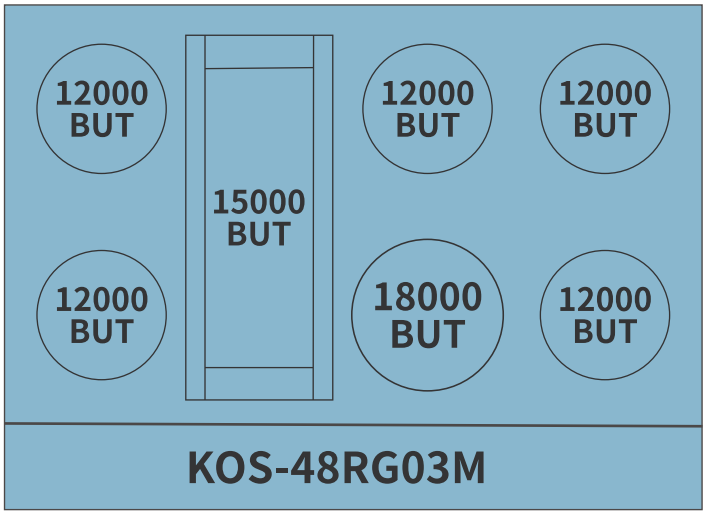
Dimensions and Clearances

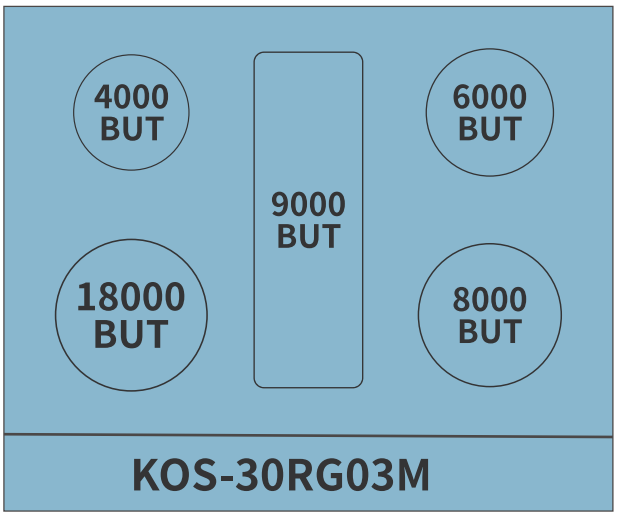
- ✓ The range may be installed flush to the rear wall.
- ✓ You may install a non-combustible material, such as tile, on the rear wall above the range and up the vent hood.
- ✓ It is not necessary to install non-combustible materials behind the range below the countertop height.
- ✓ The minimum distance from the side of the range above the counter top to combustible sidewalls must be at least 10 inches.

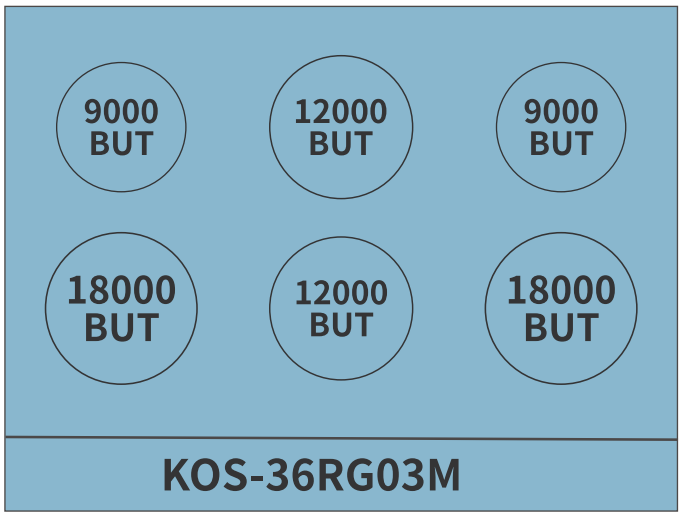
Dimension and Clearance

BTU Design

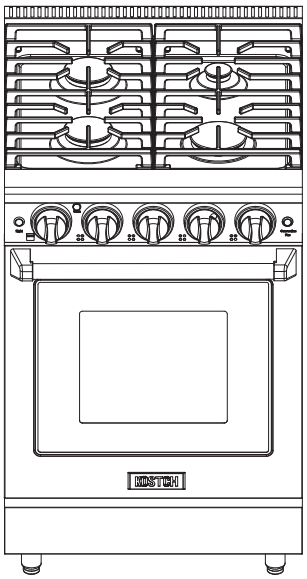




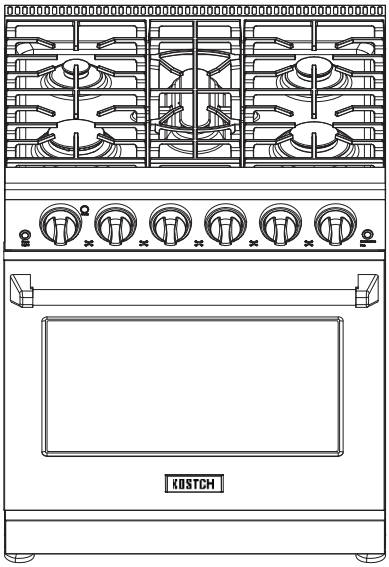




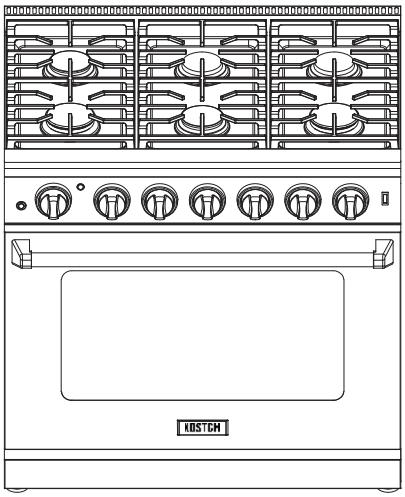
Dimension and Clearance



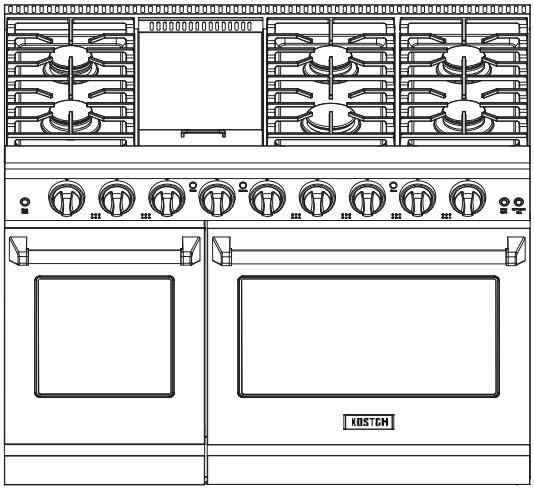
KOS-24RG03M



KOS-30RG03M



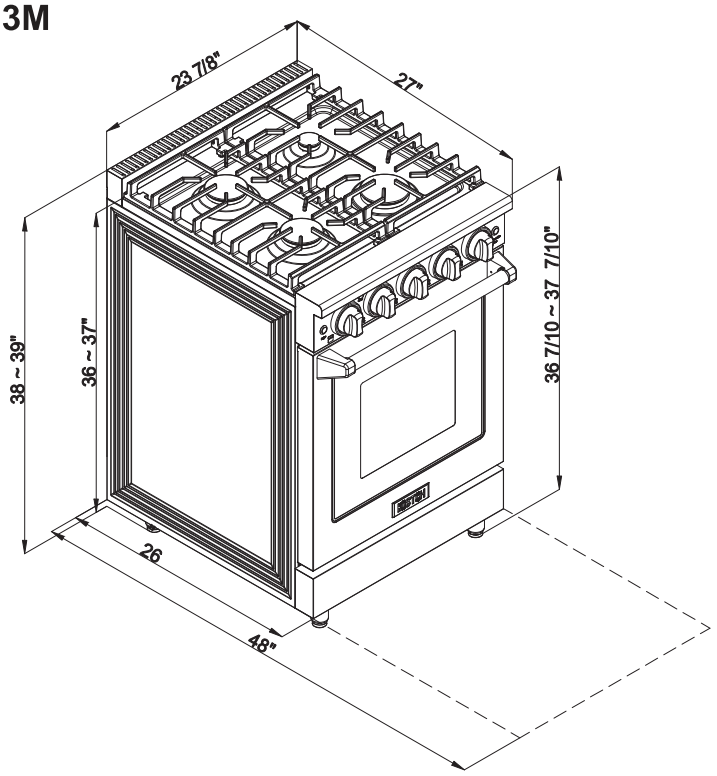
KOS-36RG03M



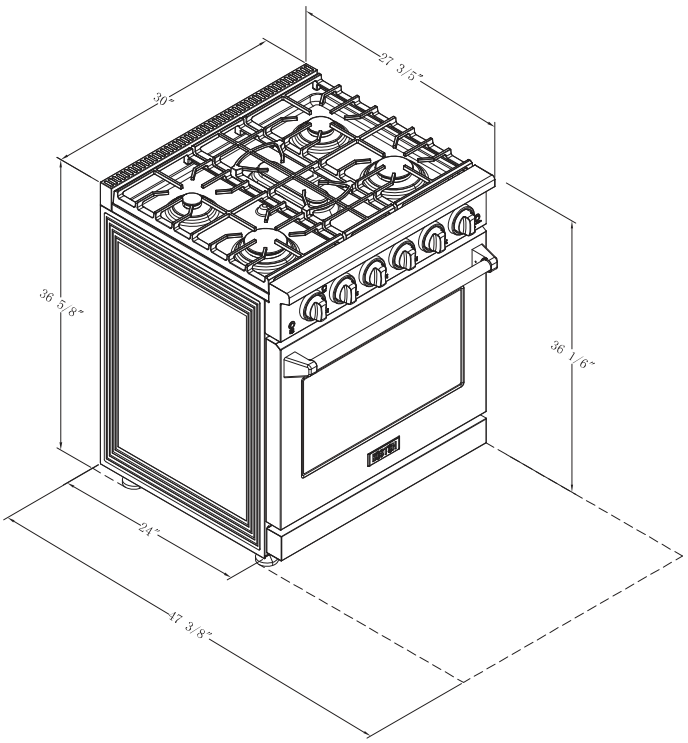
KOS-48RG03M

Dimension and Clearance

KOS-24RG03M

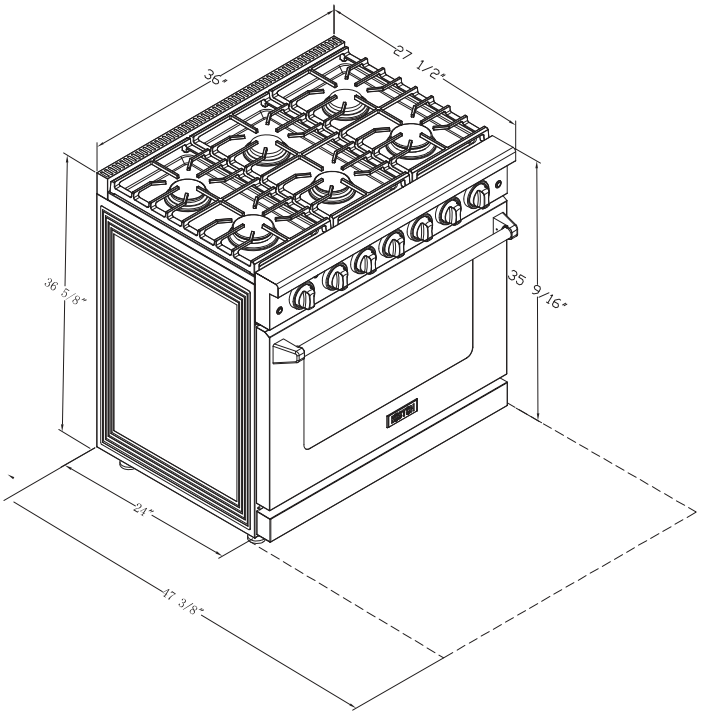


KOS-30RG03M

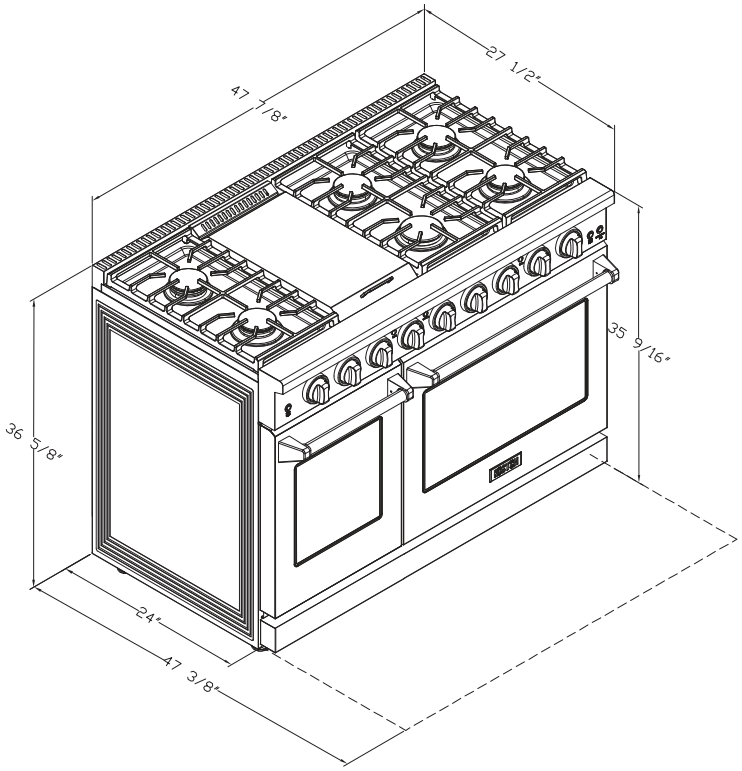


Dimension and Clearance

KOS-36RG03M

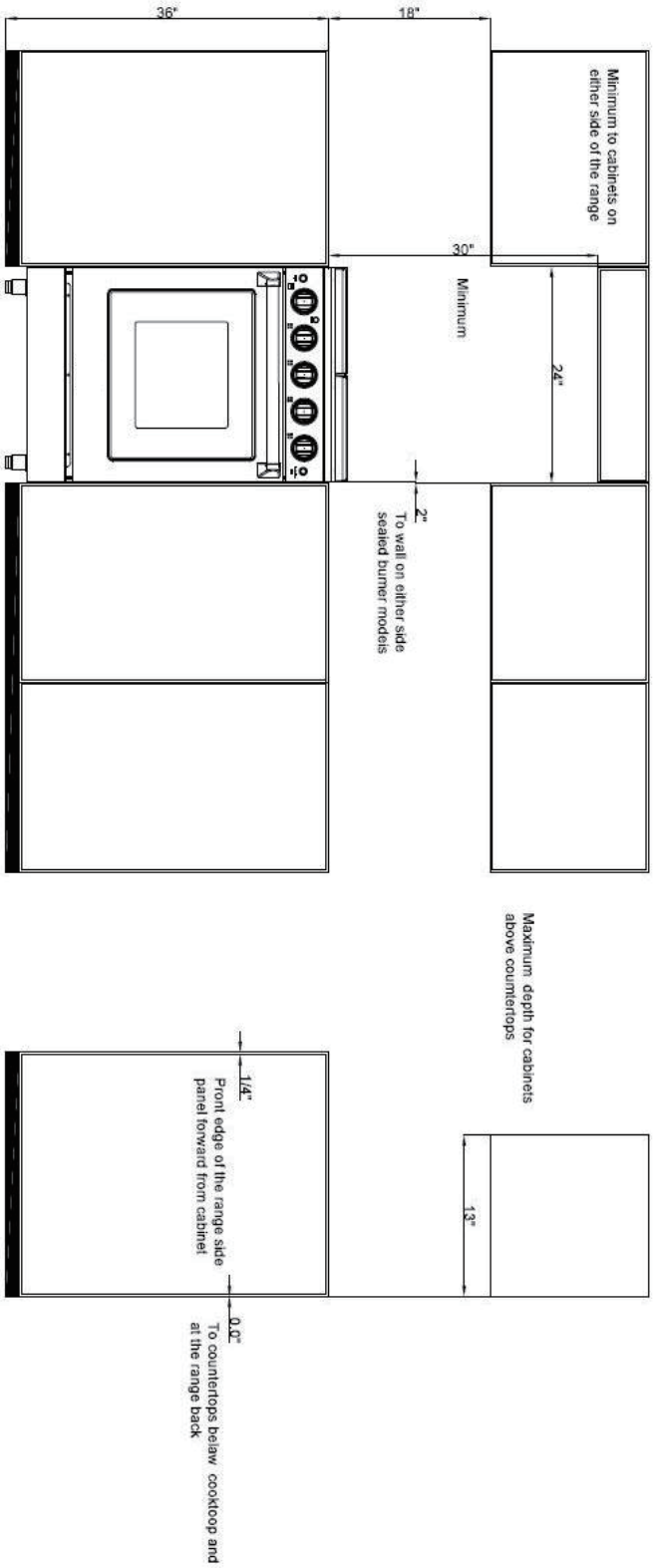


KOS-48RG03M



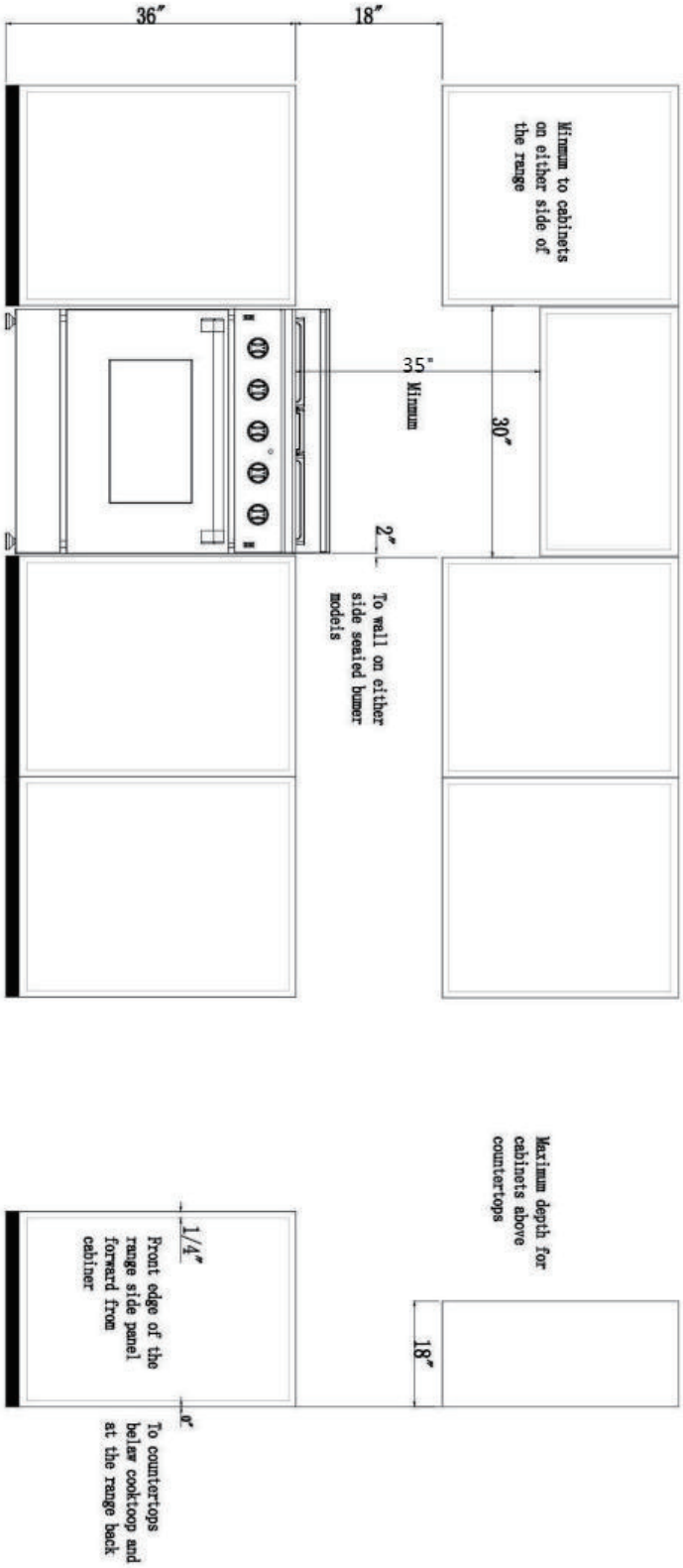
The maximum depth of cabinets installed above cooking tops be 13 in (330mm).

Dimension and Clearance



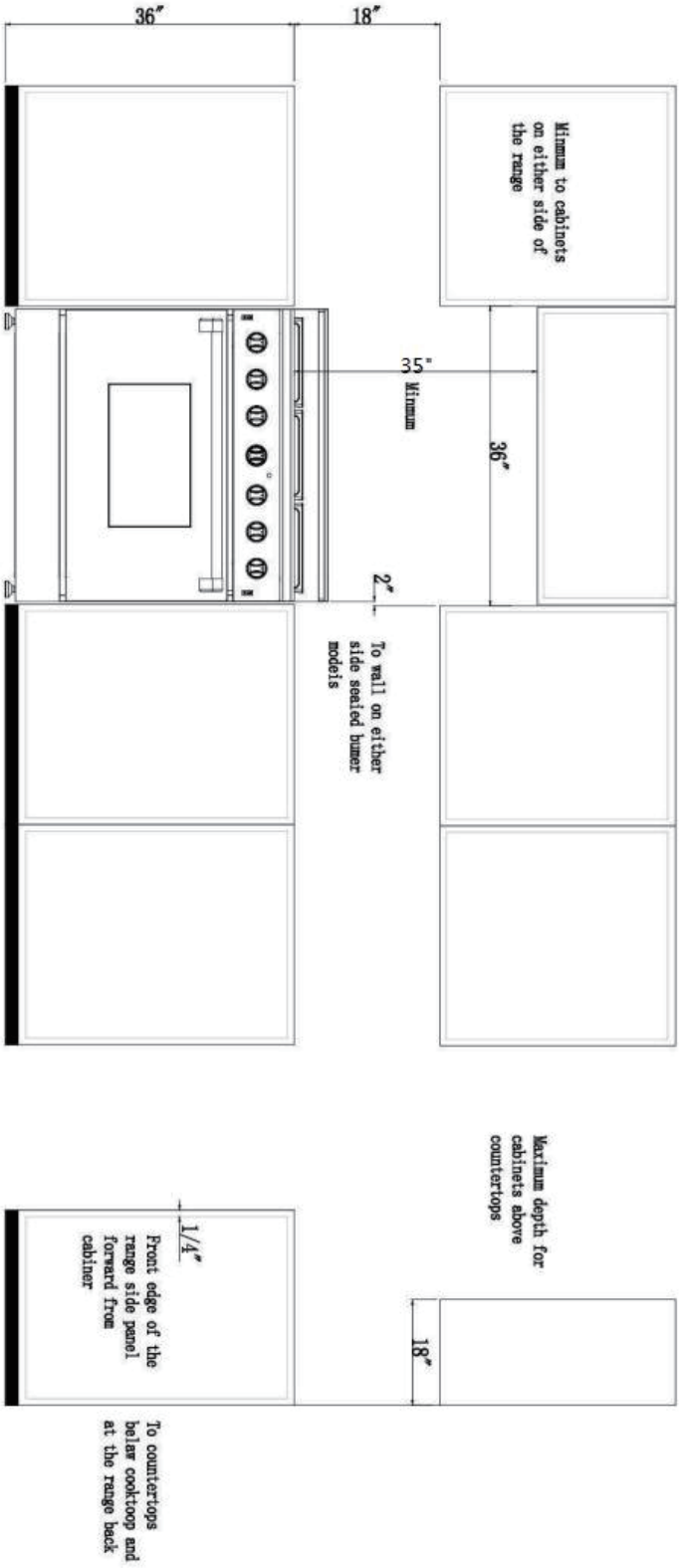
Dimension and Clearance

30” Gas Range Clearance



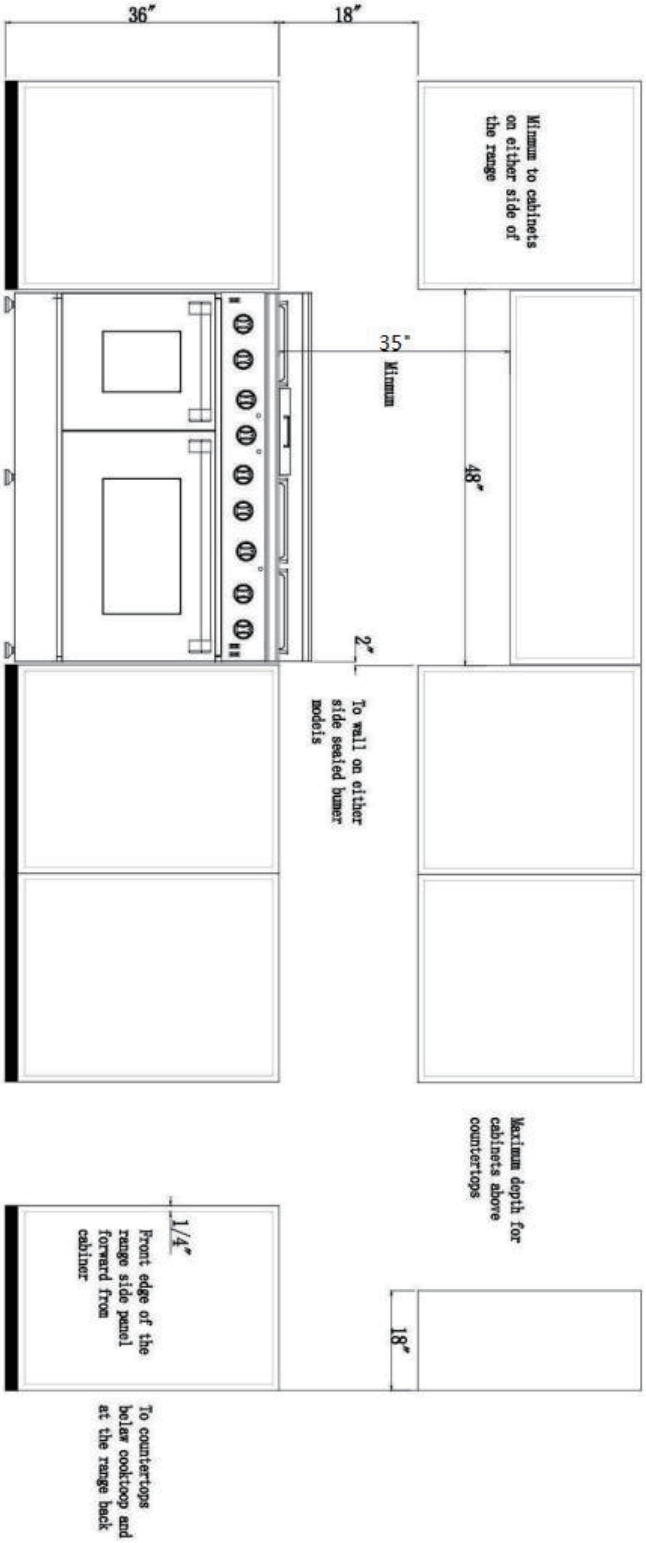
Dimension and Clearance

36” Gas Range Clearance



Dimension and Clearance

48” Gas Range Clearance

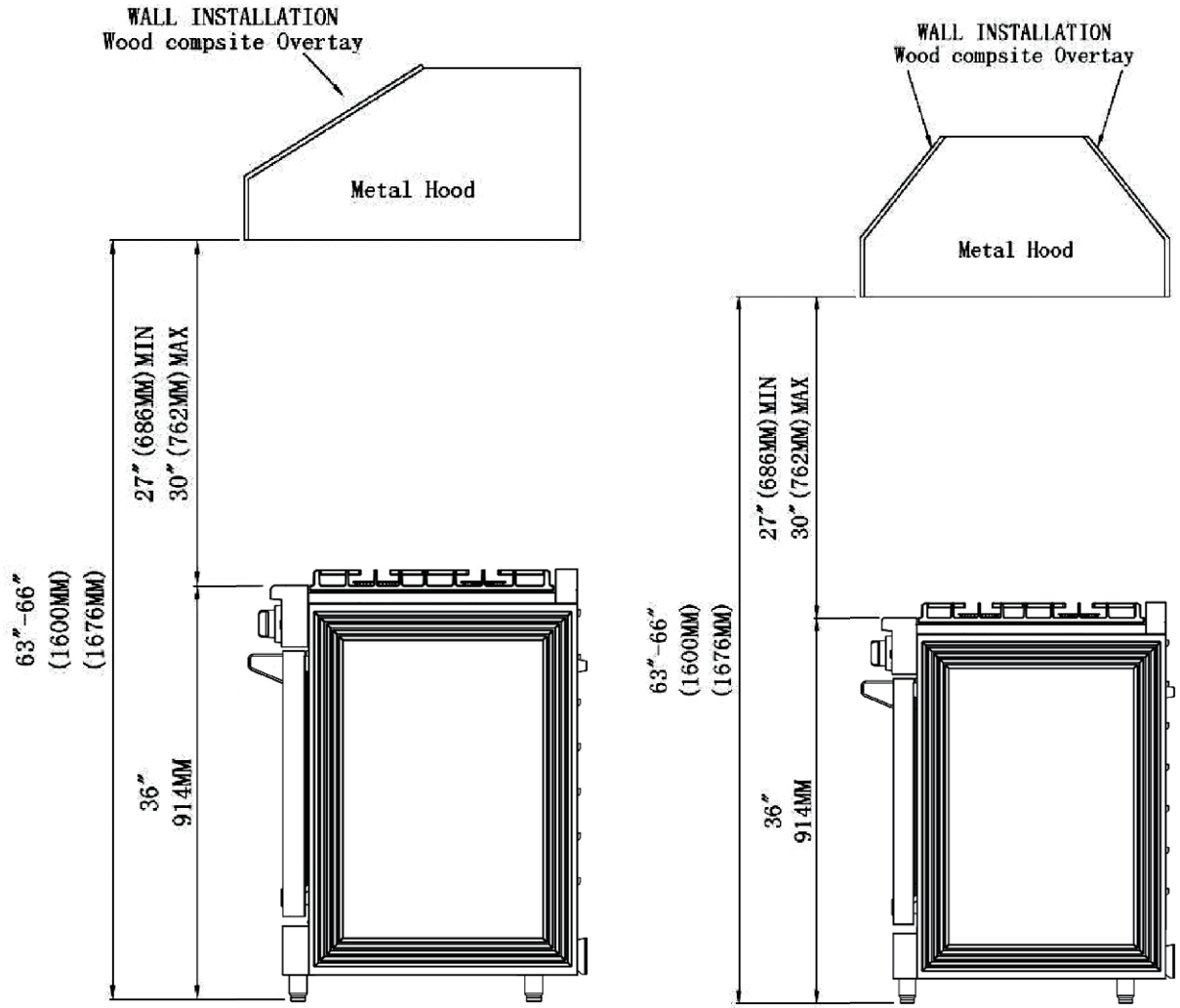


Dimension and Clearance

Top Hood and cabinet specifications

Condition	Minimum clearance allowed
Clearance between the top of the cooking surface and the bottom of an unprotected wood or metal cabinet for any model other than KOS-48RG03M.	35”
Clearance between the top of the cooking surface and the bottom wood or metal cabinet that is protected by not less than: • 1/4-inch-thick flame-retardant mill-board covered with not less than: ○ No. 28 MSG sheet steel or ○ 0.015-inch-thick stainless steel or ○ 0.024-inch-thick aluminum or ○ 0.020-inch-thick copper	24”
Duel fuel ranges clearance between the top of the cooking surface and the bottom of an unprotected wood or metal cabinet for models KOS-48RG03M	40”

Dimension and Clearance



Electric Power Supply Requirements

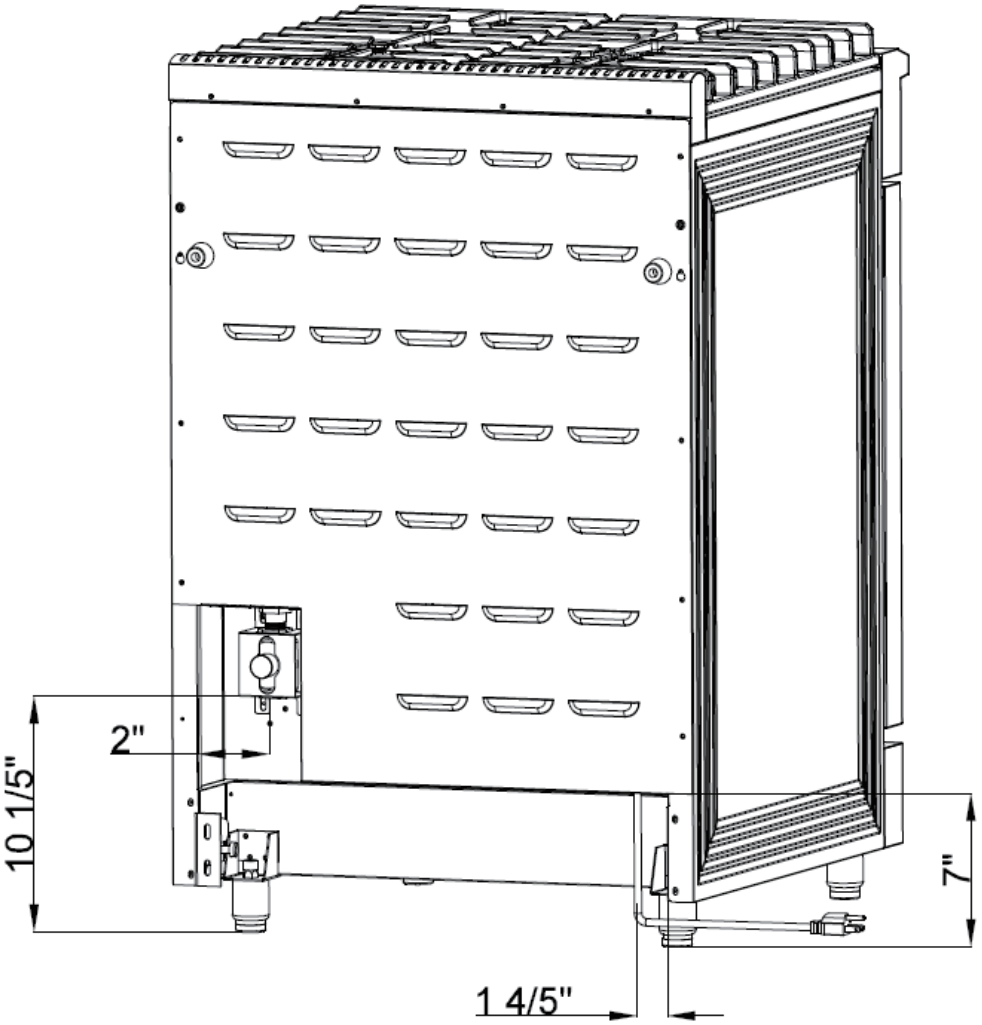
Your range must be electrically grounded in accordance with local codes or, in the absence of local codes, in accordance with the National Electrical Code (ANSI/NFPA 70, latest edition).

In Canada, electrical grounding must be in accordance with the current CSA C22.1 Canadian Electrical Code Part 1 and/or local codes. A copy of this standard may be obtained from: National Fire Protection Association, 1 Battery march Park, Quincy, Massachusetts 02269-9101.

The power supply must be the correct polarity. Reverse polarity will result in continuous sparking of the electrodes, even after flame ignition. If there is any doubt as to whether the power supply has the correct polarity or grounded, have it checked by a qualified electrician.

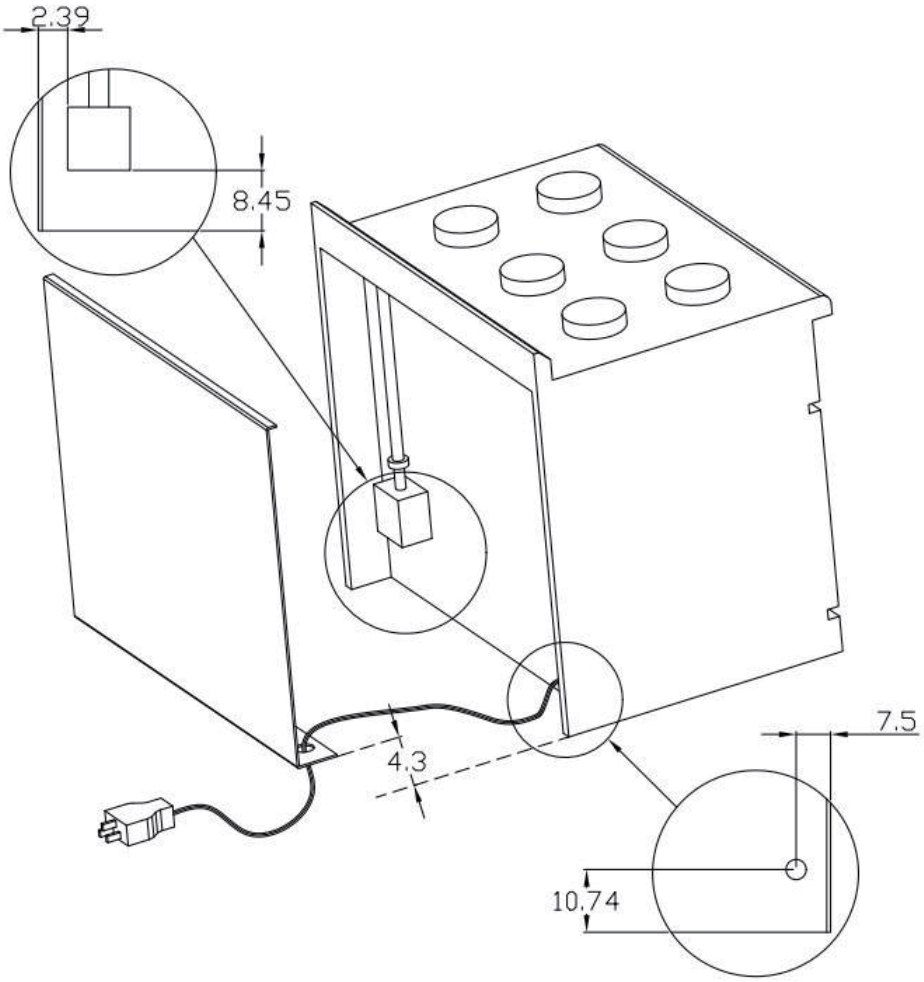
Use 120V, 60Hz, and properly grounded branch circuit protected by a 15-amp or 20-amp circuit

Dimension and Clearance



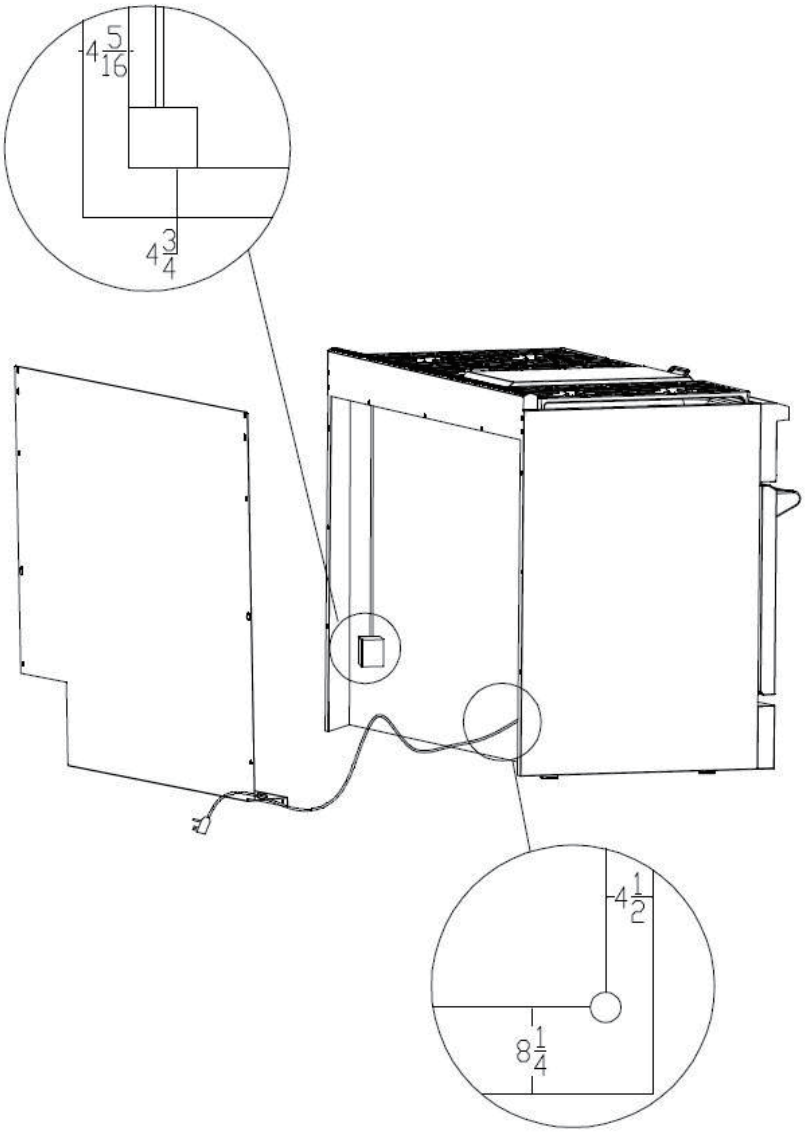
Installation for KOS-RG 24 inches Gas Range

Dimension and Clearance



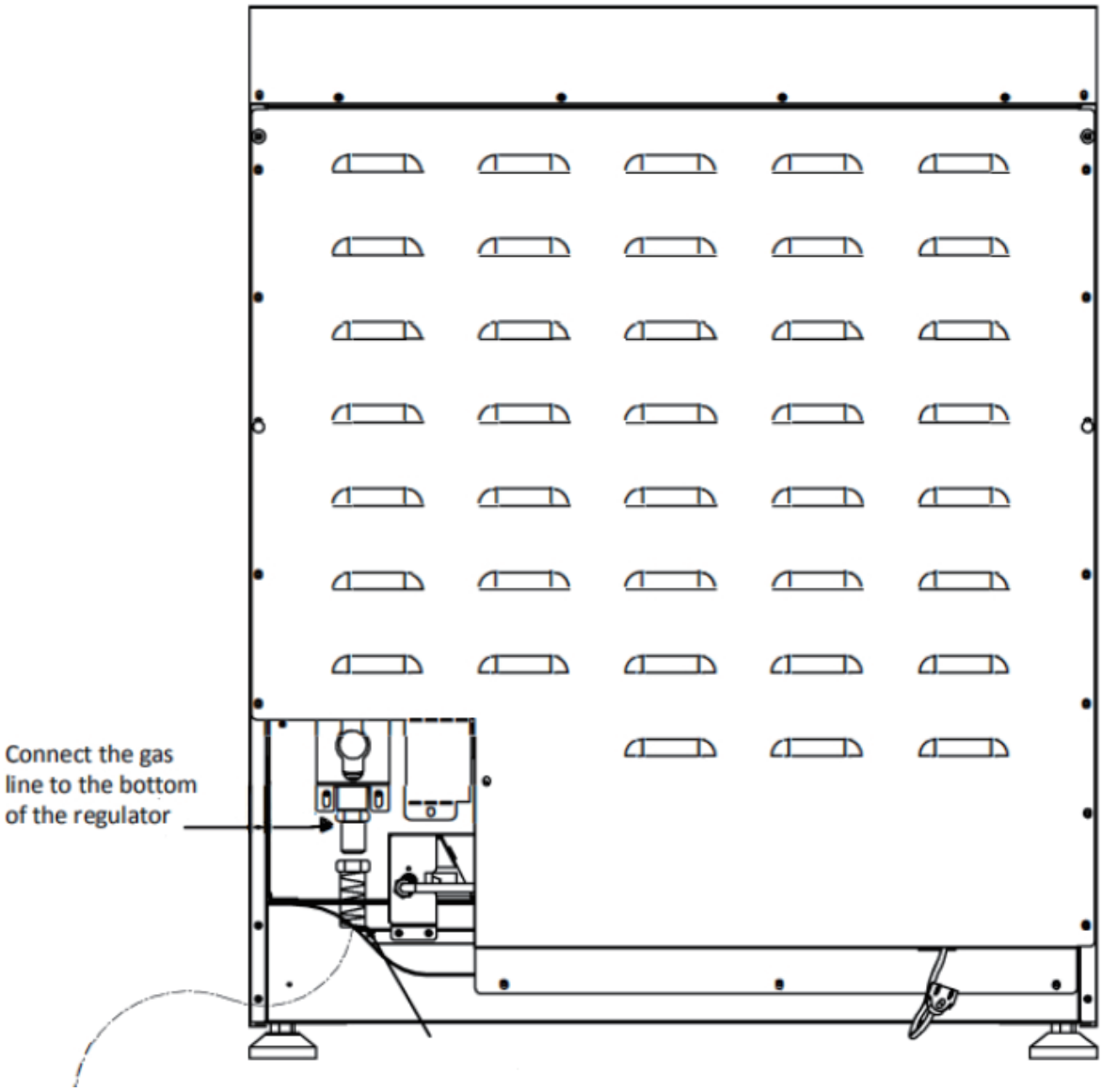
Installation for KOS-RG 30 and 36 inches Gas Range

Dimension and Clearance



Back Layout for KOS-RG 40 inches Gas Range

Dimension and Clearance



Gas Line Connection

Electrical Grounding Instructions

⚠ WARNING

This indoor gas cooking appliance is equipped with a three-prong (grounding) plug for your protection against shock hazard and should be plugged directly into a properly grounded three-pronged receptacle.

Where a standard two-prong wall receptacle is encountered, it is the responsibility and obligation of the customer to have it replaced with a properly grounded three-prong wall receptacle.

Do not cut or remove the grounding prong from the power cord.

Before connecting plug to the cord, disconnect the electrical supply.

CAUTION

Label all wires prior to disconnection when servicing controls. Wiring errors can cause improper and dangerous operation. Verify proper operation after servicing.

Connect Range to Gas Supply

Most localities will require that the stove shutoff valve and gas connections be installed by a certified technician or plumber. These instructions are for a professional. Gas installation specifications and regulations may vary so please consult your local codes before proceeding.

1. Install a manual gas line shut-off valve in the gas line as follows:

    a. in an easily accessed location outside the range

    b. in the gas piping external to the appliance

2. Install male ½" flare union adapter to ½" NPT internal thread elbow at inlet of regulator.

On models equipped with standard twin burners, install the male pipe thread end of the ½" flare union adapter to the ½" NPT internal thread at inlet of pressure regulator.

Use a wrench on the regulator fitting to avoid damage.

Dimension and Clearance

1. Install male ½" or ¾" (¾" refers to 48-inch gas range) flare union adapter to the NPT internal thread of the manual shut-off valve, taking care to secure the shut-off valve to keep it from turning.
2. The gas supply pressure for checking the regulator setting is 6 in.w.c. (Natural Gas) and 11 inch.w.c. (LP gas) connect flexible gas line connector to the regulator on the range. Position range to permit connection at the shut-off valve.
3. When all connections have been made, make sure all range controls are in the position and turn on main gas supply valve.
4. Leak testing of the appliance shall be conducted according to the manufacturer's instructions. Use some soap water (50% water and 50% soap) or a leak detector at all joints and connections to check for leaks in the system. Do not use a flame to check for gas leaks.
5. The appliance must be isolated from the building's gas supply piping system by closing its individual manual shut-off valve during any pressure testing of the gas supply piping system at test pressure equal to or less than ½ psig(3.5kPa).

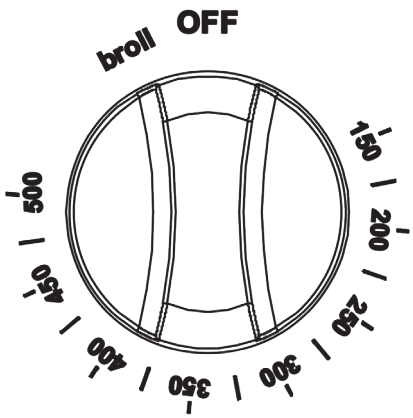
After installation:

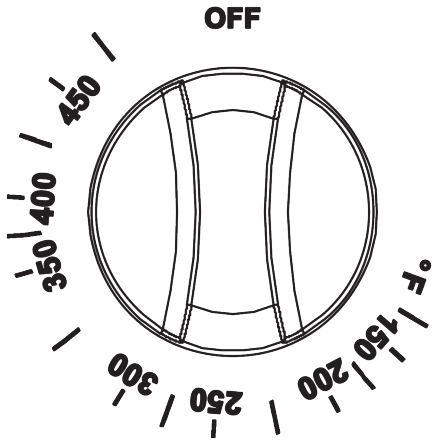
1. Check ignition of cooktop burners.
2. Check ignition of oven burner.
3. Visually check tubular burner (oven burner) re-ignition to be sure both rows of burner ports are relighting each time.
4. Check for gas leaks at all gas connections (using a gas detector, never a flame).
5. Check oven bake and convection bake function.

Appendix 1

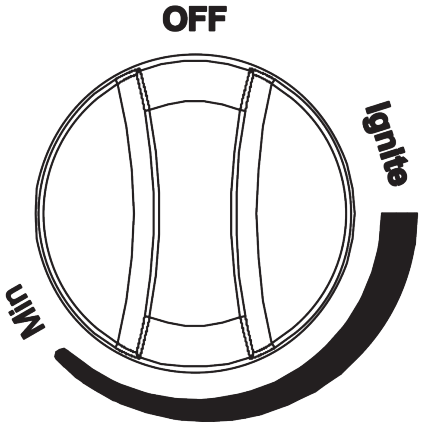
Oven Knob Installation

1. Check the design





①Big Oven Thermostat Knob ②Griddle/Small Oven Thermostat Knob



③Surface Valve Knob

Appendix 1

Oven Knob Installation

1. Check the sheetfor the quantity of each knobs

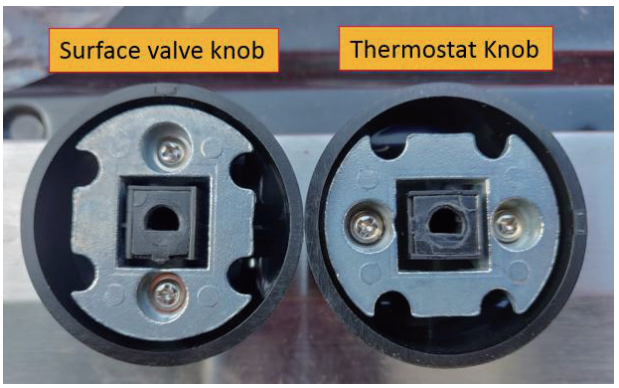
Model #	Big Oven Thermostat Knob	Griddle/Small Oven Thermostat Knob	Surface Valve Knob
KOS-30RG03M	1	0	5
KOS-24RG03K	1	0	4
Model #	Big Oven Thermostat Knob	Griddle/SmallOven ThermostatKnob	Surface Valve Knob
KOS-36RG03M	1	0	6
KOS-48RG03M	1	2	6

*For any parts damage or missing, please send email to service@kostch.com

2. Find the right knob for each shaft on the range. Push the knob in to fully attach the shaft and make sure there's no friction between knobs and bezels.

****Incorrect Knob Installation will cause the damage ofthe oven thermostat / burner valve****

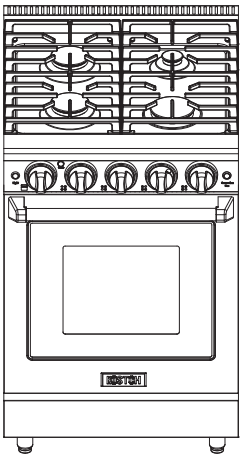




(Incorrect knob caused broken thermostat shaft)

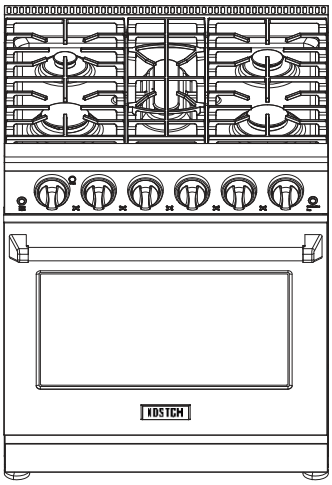
Appendix 1

Oven Knob Installation



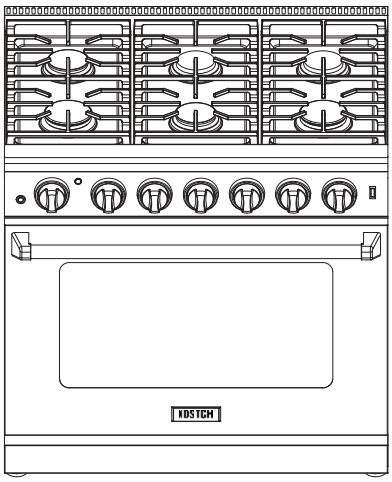
KOS-24RG03M

① ② ③ ④ ⑤



KOS-30RG03M

① ② ③ ④ ⑤ ⑥



KOS-36RG03M

① ② ③ ④ ⑤ ⑥ ⑦

KOS-30RG03M Knobs (From Left to Right):

①: Big Oven Thermostat Knob

②③④⑤⑥: Surface Valve Knob

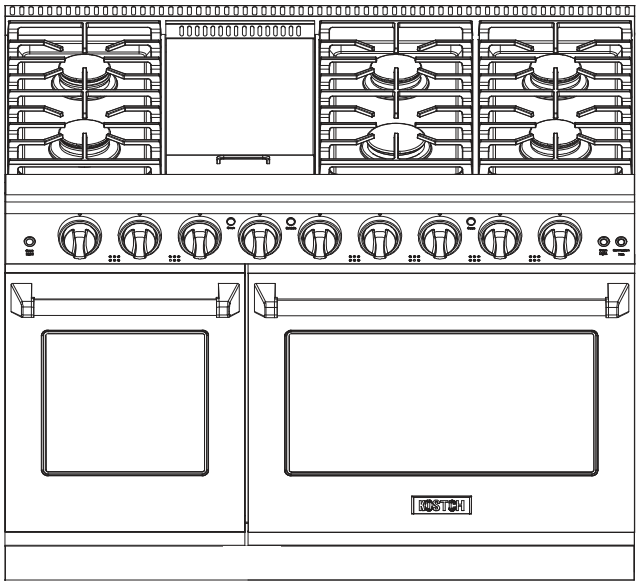
KOS-36RG03M Knobs (From Left to Right):

①: Big Oven Thermostat Knob

②③④⑤⑥⑦: Surface Valve Knob

Appendix 1

Oven Knob Installation



KOS-48RG03M

① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨

KOS-48RG03M (From Left to Right):

①②: Surface Valve Knob

③④: Griddle/Small Oven Thermostat Knob,

⑤⑥Surface Valve Knob

⑦: Big Oven Thermostat Knob

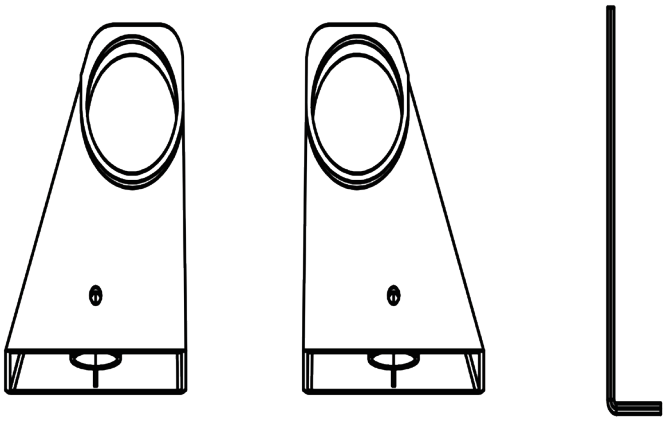
⑧⑨: Surface Valve Knob

Your range might have a KD handle that needs to be installed. Please Follow up the following procedures for the oven door handle installation.

Appendix 2

Oven Handle Installation

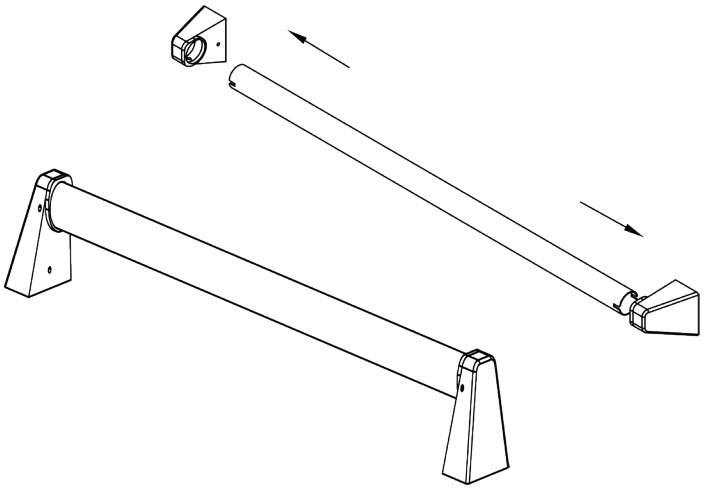
3.1 Check your Installation Kits for Door Handles



2 * Handle Holders, 1 * Installation Wrench,

1 * Handle (For 18”, 30” or 36” Oven)

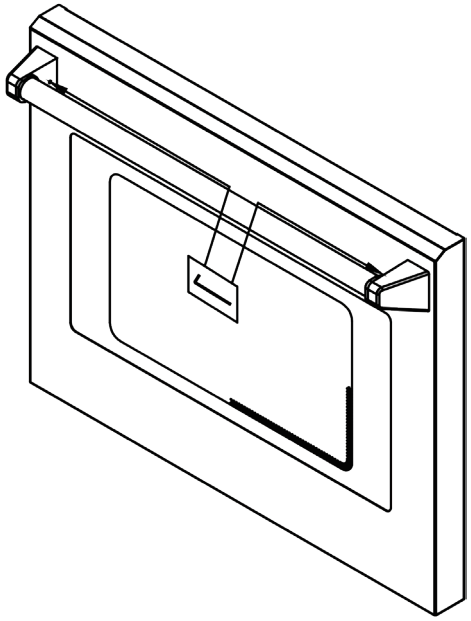
3.2 Connect door handle holders to each side of the handle



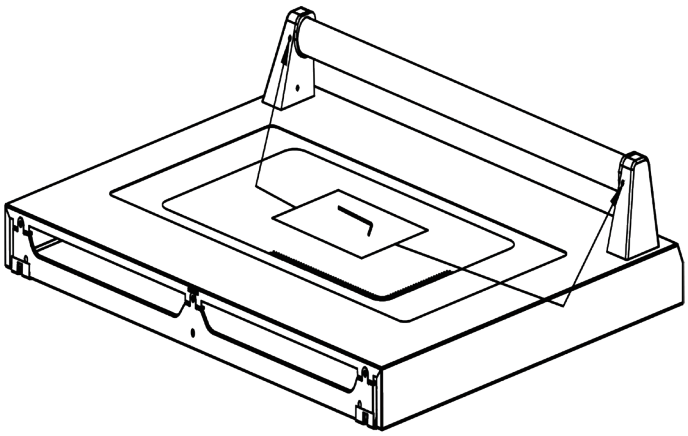
3.3 Lay the door handle againstto the oven door and fit it on the connection part, and use the wrench to get the door handle holder tight;

Appendix 2

Oven Handle Installation



3.4 Use the wrench to tighten the door handle holders.



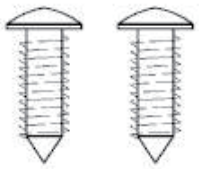
3.5 Check if the oven door handle is level and stable.

Appendix 3

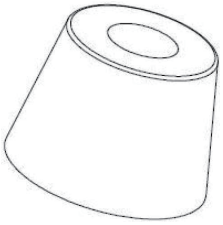
Rubber Pad Installation on Back Panel

In order to meet the requirement for the clearance for the back of your KOSTCH Range, please install 2 pcs Rubber Pad provided in the manual package Please find the accessories and follow the below steps:

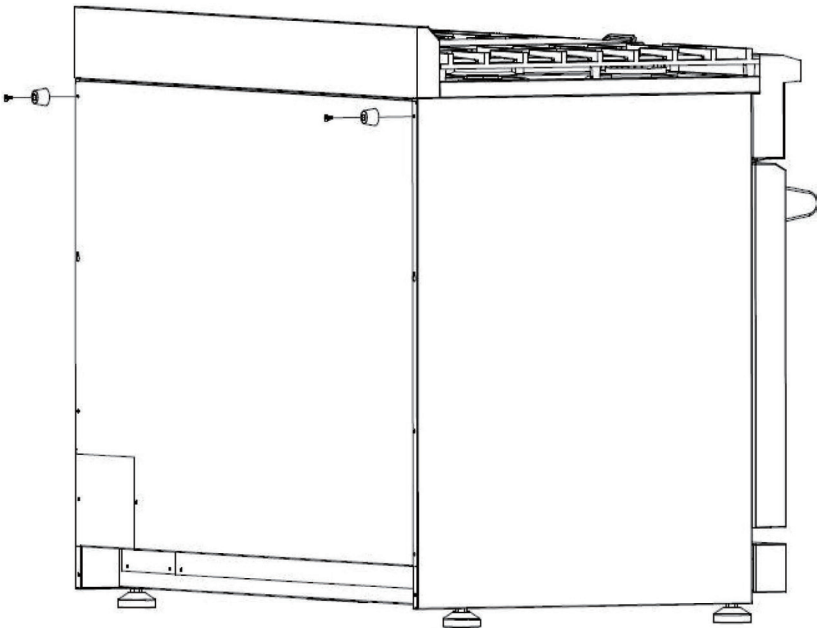
1. **check the installation kit included in the manual package;**



2* screws



2* rubber pad



2. **Install 2 pcs rubber pad shown above.**