

ER30D, ER30DSR

Document # PG05-003

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Discovery™ 30" Wide Dual Fuel Ranges

PLANNING GUIDE

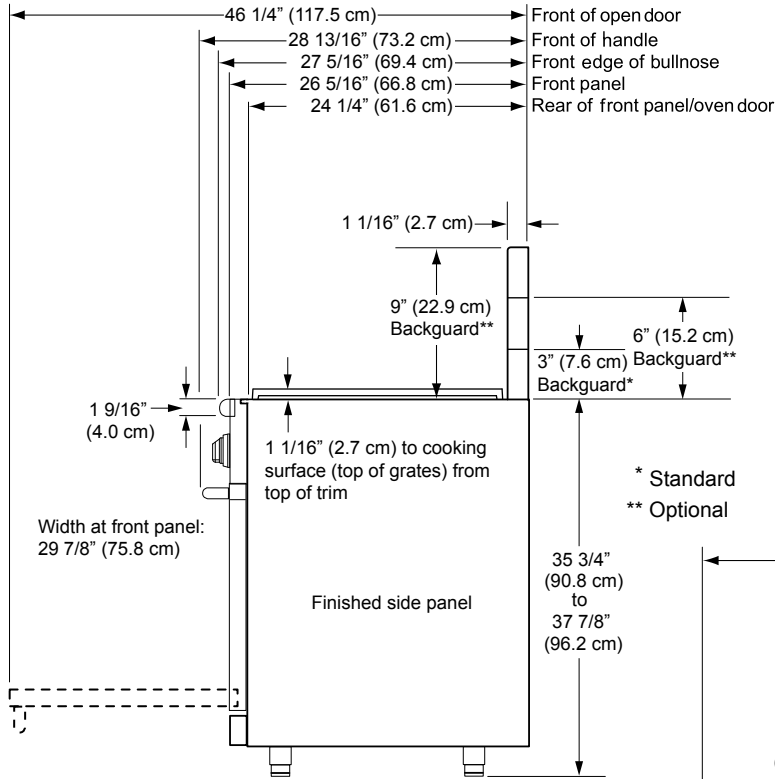
Product tolerances: $\pm 1/16"$ (± 1.6 mm) unless otherwise stated

WARNING

- Observe all governing codes and ordinances during planning and installation. Contact your local building department for further information.
- This appliance must be installed in accordance with the accompanying installation instructions.

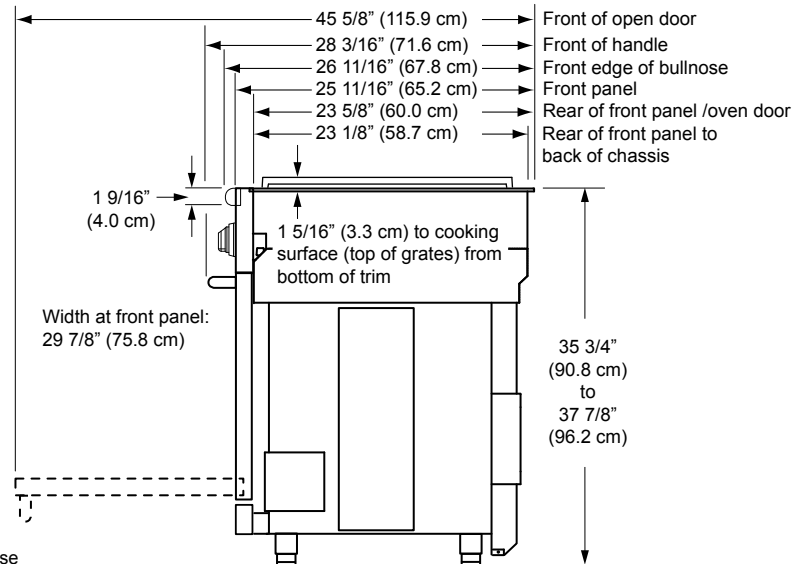
NOTE:

- Self-rimming models are designed to allow the trim to overlap the countertop when configured to the dimensions on page 1/3.
- Self-rimming models are not compatible with integral backguards.

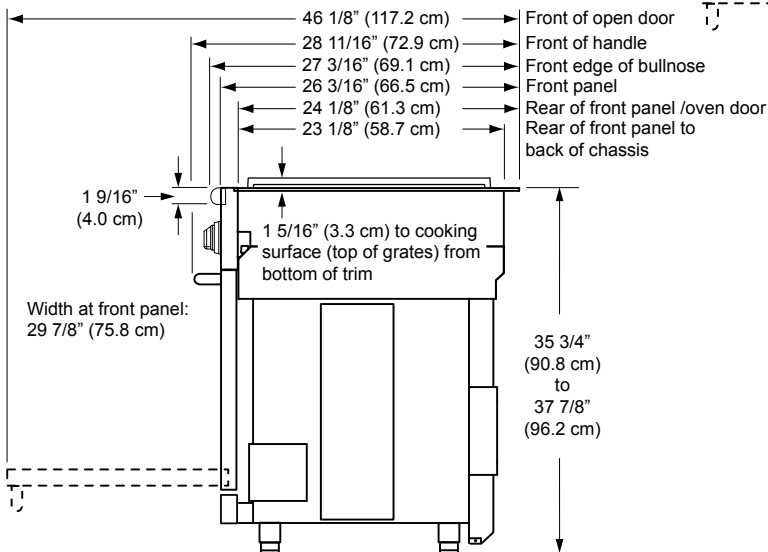


FREESTANDING MODELS ER30D AND ER30D-C

NOTE: Models ER30D and ER30D-C are NOT designed for use with self-rimming installations or raised vents. Use model ER30DSR for self-rimming and raised vent installations.



SELF RIMMING MODEL ER30DSR SIDE DIMENSIONS WITH STANDARD TRIM



SELF RIMMING MODEL ER30DSR SIDE DIMENSIONS WITH OPTIONAL RAISED VENT TRIM KIT INSTALLED (ATK30SR)

ELECTRIC CIRCUIT REQUIREMENTS

Range Model	Circuit Required	Total Connected Load
ER30D/ER30DSR	240 Vac, 4-wire* 60 Hz, 30 Amp.	5.6 kW (24.2 Amp.)

* 4-wire, two 120 Vac hot (L1 and L2), one neutral, one ground

The ratings above are for reference only - refer to the range rating label.

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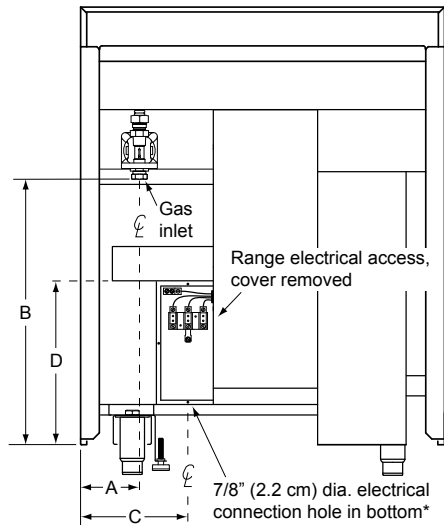
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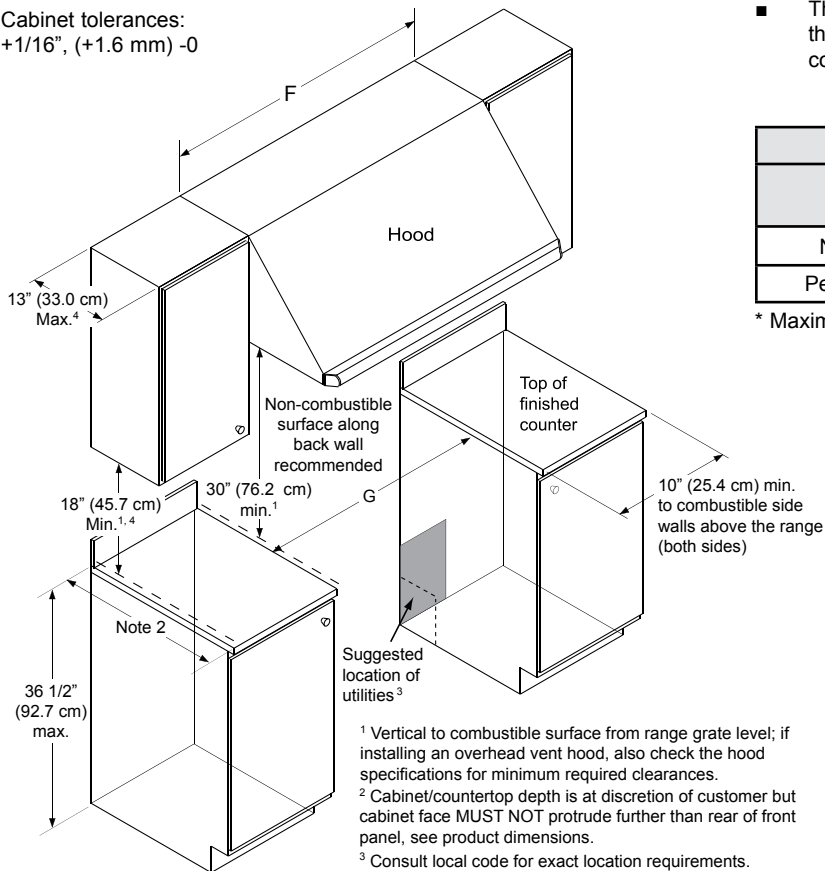
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Product tolerances: $\pm 1/16"$ (± 1.6 mm) unless otherwise stated



BACK OF RANGE

Cabinet tolerances:
 $+1/16"$, ($+1.6$ mm) -0



- ¹ Vertical to combustible surface from range grate level; if installing an overhead vent hood, also check the hood specifications for minimum required clearances.
- ² Cabinet/countertop depth is at discretion of customer but cabinet face MUST NOT protrude further than rear of front panel, see product dimensions.
- ³ Consult local code for exact location requirements.
- ⁴ Not applicable for cabinets more than a horizontal distance of 10" (25.4 cm) from the edge of the range.

GAS - ELECTRICAL ACCESS DIMENSIONS

A	B	C	D	E
4 7/8" (12.4 cm)	21 3/4" (55.2 cm)	8 5/8" (21.9 cm)	10 3/16" (25.9 cm)	7/8"* (2.2 cm)

* The hole size can be increased to 1 1/8" by removing the conduit bracket inside the range electrical access box.

Gas and Electrical Service

- The shaded area (diagram bottom left) denotes the location of the gas inlet and the electrical junction box/receptacle. This is the recommended location. For replacement purposes, the location of the existing utilities may be utilized provided they do not interfere with the sides or rear of the range. Check local building codes for permissible gas valve and electrical locations.
- An external manual shut-off valve must be installed between the gas inlet and the range, for the purpose of turning on or shutting off gas to the appliance.

The installation must allow for the following:

- Access to the gas shut-off valve when the unit is installed.
- Access to the remote circuit breaker panel/fuse box, when the range is in place.
- The gas supply piping and shut-off valve, and the electrical junction box/receptacle must be located so they do not interfere with the range when it is installed.
- The junction box and gas shut off valve must be located so that the range can be pulled out for service while the appliance remains connected.

GAS SUPPLY PRESSURE REQUIREMENTS*

Gas Type	Manifold Pressure	Minimum Gas Supply Pressure
Natural Gas	5" Water Column	6" Water Column
Petroleum (LP)	10" Water Column	11" Water Column

* Maximum input gas supply pressure for all models is 1/2 p.s.i.

CUT-OUT DIMENSIONS

F	G
36" (91.4 cm)* 30" (76.2 cm)**	30 1/16" (91.6 cm)*
* Recommended ** Minimum	

CABINET CUTOUT DIMENSIONS MODELS ER30D AND ER30D-C

NOTE: See following page for countertop/cabinet cutout dimensions for self-rimming installations .

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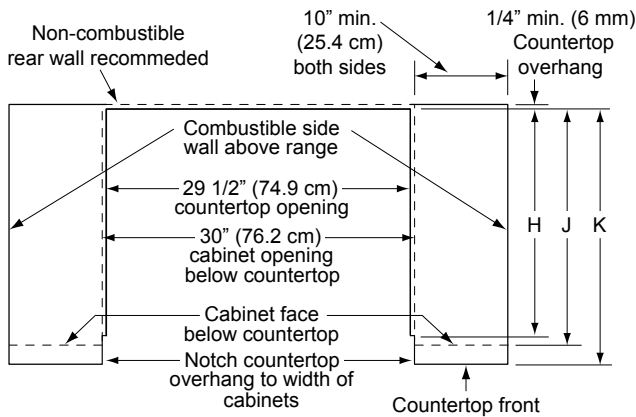
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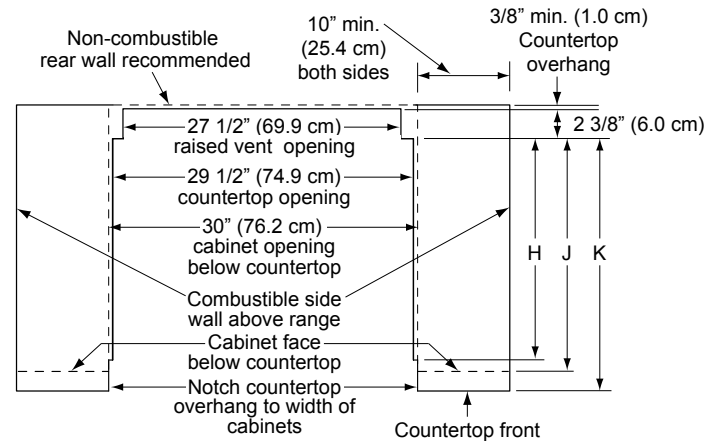
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Cutout tolerances: +1/16" (+1.6 mm), -0 unless otherwise stated



Countertop Height: 35 5/8" (90.5 cm) min., 37 3/8" (94.9 cm) max.

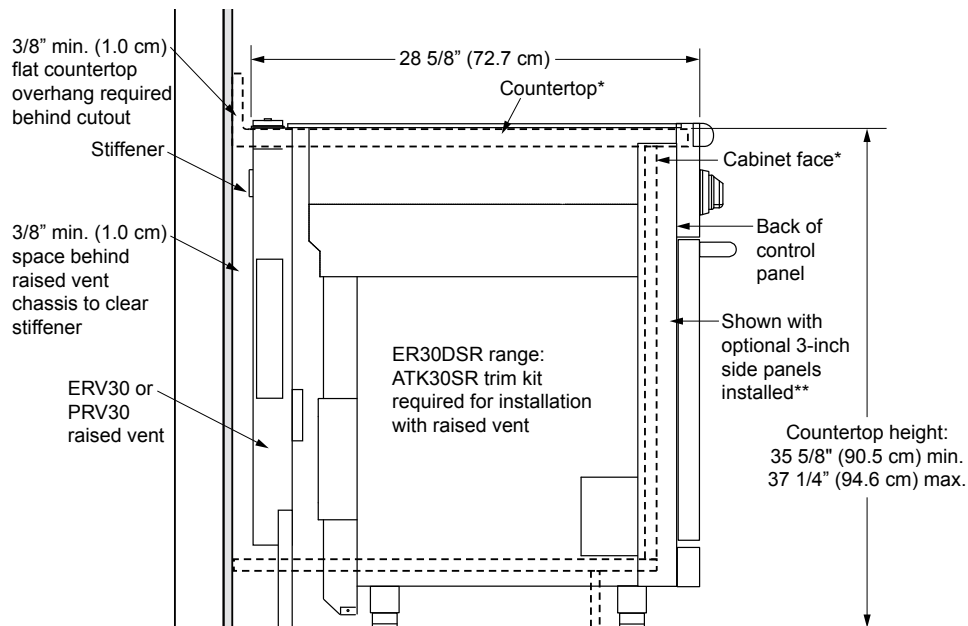


Countertop Height: 35 5/8" (90.5 cm) min., 37 1/4" (94.6 cm) max.

**TOP VIEW - MODEL ER30DSR COUNTERTOP/CABINET
CUTOUT DIMENSIONS SELF RIMMING INSTALLATION**

**TOP VIEW - MODEL ER30DSR COUNTERTOP/CABINET
CUTOUT DIMENSIONS, SELF RIMMING INSTALLATION
WITH RAISED VENT (ATK30SR TRIM KIT INSTALLED)
APPROVED RAISED VENTS: ERV30 OR PRV30**

ER30DSR with	H	J	K
no side panels no raised vent	23 1/2" (59.7 cm)	23 1/2" (59.7 cm)	24" to 25 9/16"
3-inch side panels* and no raised vent	20 1/2" (52.1 cm)	20 1/2" to 23 1/2"	21" to 25 9/16"
no side panels and raised vent	24" (61.0 cm)	24" (61.0 cm)	24 1/2" to 26 1/16"
3-inch side panels and raised vent	21" (53.3 cm)	21" to 24"	21 1/2" to 26 1/16"



* **IMPORTANT:** See Countertop/Cabinet Cutout Dimensions for countertop cutout dimensions.

** **IMPORTANT:** If optional 3-inch side panels are not installed cabinet face must be flush with back of control panel.

