



Kitchen Planning Guide

This area in ADU's website is only a starting point in choosing the appliance that best fits your needs. There may be other issues ADU is not aware of and some information may be missing. So please, this is a modest beginning. It is intended to start the process and enable you to bring the necessary information to ADU. This is the most important step in the selection process and ADU is here to help!

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Appliance questions to consider before ordering:

Ventilation Hood



Questions:

1. What type of cooking equipment will the hood exhaust?
A.) Electric _____ B.) Gas _____ C.) Professional Gas _____
2. What type of hood do you need?
A.) Under-Cabinet _____ B.) Wall-Mount _____ C.) Island _____
D.) Liner Insert (Wood Hood - Wall-Mount _____; Island _____)
3. What size Blower do you need?
For every 10,000 BTU's you need 100 CFM.
Example: If you add up all the BTU's of each burner, grill and/or griddle on the top of the cooking surface--- Let's say you have 90,000 BTU's of power; then a hood with a 900 CFM blower may be appropriate. Two choices - internal blower _____ or external blower _____

Note: Of course, this is a simplified system to determine the required CFM (Blower power). There are other factors to consider when choosing your blower - the length of the duct run, the amount of turns in the duct run, etc.

4. What height hood do you need?
A.) 4" - 6" under-cabinet _____ B.) 11" under-cabinet _____ C.) 18" Wall Mount or Island _____ D.) Other _____
5. What width hood do you need?
A.) 30" _____ B.) 36" _____ C.) 42" _____ D.) 48" _____ E.) 54" _____
F.) 60" _____ G.) 66" _____ H.) Other _____
6. What depth hood do you need?
A.) Under-cabinet 21" _____ or other _____ B.) Wall-mount 24" _____
27" _____ other _____ C.) Island hood 27" _____ 30" _____ other _____

Note: A 27" wall mount hood extends beyond standard base cabinetry but matches the depth of many Pro-Style Ranges. The deeper the hood the more chance you have of hitting your head on the lip of the hood.

Note: With the information above, you should be able to work with any ADU Appliance Professional to obtain the best hood for your needs. This is not a guarantee for complete success. Installation and other problems on the job may occur outside the control of the professional with whom you are working.

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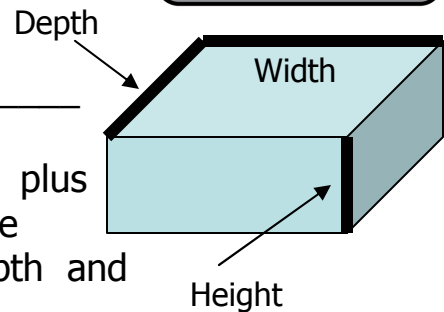
Appliance questions to consider before ordering:

Gas Cooktop



Questions:

1. Measure your existing gas cooktop.
A.) Width _____ B.) Depth _____ C.) Height _____



The standard cooktop lengths are 30" and 36", plus others. Height and depth vary depending on the model, but generally around 19" to 21" for depth and about 4" to 6" in height.

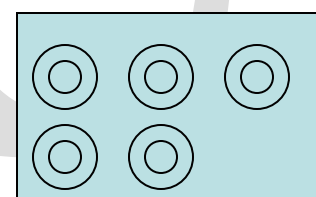
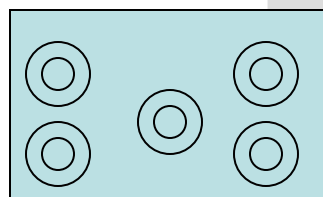
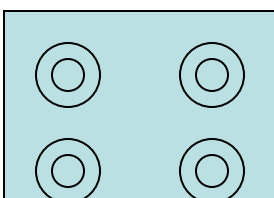
2. If you want to change the size...
Gas cooktop size you would like to change to.
A.) _____

This would be determined on the cabinet below the cooktop. You need to measure the cabinet width below the cooktop. If you have a 30" cooktop in a 33" base cabinet and changed to a 36" cooktop into a 33" base cabinet, this would be impossible. Please consult ADU salesperson and your cabinet person to determine what works or any changes that could be made to accommodate the new cooktop.

3. How many burners do you want?
A.) 4 _____ B.) 5 _____ C.) 6 _____ D.) Other _____
4. Do you want a gas cooktop with a custom Wok burner?
A.) Yes _____ B.) No _____
5. Do you want a gas cooktop with a barbecue grill?
A.) Yes _____ B.) No _____
6. What type of fuel do you have for the gas cooktop?
A.) Natural Gas _____ B.) LP _____
7. Gas cooktops come in many designs, finishes, and colors.
Consult your ADU salesperson for your available choices.

Note: Many cooktops can be vented with a downdraft system or have it built-in as part of the cooktop. This will be addressed in the section about Downdraft Systems.

Configurations
of cooktops:



Plus
Others

Appliance questions to consider before ordering:

Dishwasher



Questions:

1. Measure the space where the dishwasher will go.
A.) 24" _____ B.) 18" _____
2. Choose a dishwasher with Energy Star Rating. The less energy the dishwasher will use will save you money on your utility bill each month. The utilities, BGE & PEPCO will offer a rebate for energy star models. Plus, many states are offering rebates too. (Most started around the first quarter of 2010, until funds run out).
3. Check the features you want on your dishwasher:
 - A.) Energy Star Model _____
 - B.) Quiet - sound-dampening package _____ * DB rating _____
 - C.) Water usage _____
 - D.) Spray arms, wash-ability _____
 - E.) Levels of wash _____
 - F.) Baskets, racks, silverware (Basket, shelf), adjustability _____
 - G.) Cycles _____
 - H.) Delay start _____
 - I.) Warranty _____
 - J.) Local service _____
 - K.) ** ADA rating _____ Handicap accessibility
 - L.) Heats water at least to 140 degrees _____

* DB rating - anything less than 50 DB is considered a quiet dishwasher. The closer to 40 the quieter it is.

** ADA - wheelchair accessibility. This requires a dishwasher to be only so tall. Usually requires a wood filler piece at the top of the dishwasher under the countertop. Dishwasher that refers to "tall" tubs would not fit into this category.

4. The only other consideration is installation and if you have a garbage disposer. Usually at this time if you replace the dishwasher, you should consider replacing the garbage disposer. As far as installation, it should not be different than the last one. However, many of the manufacturers are beginning to put a plug at the end of the electrical cord. In the past the dishwasher was hard wired. This would mean you would need to put an electrical box under the sink area.

Appliance questions to consider before ordering:
Refrigerator



Questions:

1. Choices -
A.) Top Freezer _____ B.) Bottom Freezer _____ C.) Side by Side _____
D.) French Door _____ E.) Built-in _____ F.) Cabinet Depth _____
G.) Commercial Look _____ H.) Wine Storage Tall units _____ I.) Under-counter products _____

Note: You may choose more than one of the categories above. Example: Bottom Freezer, French Door, Cabinet Depth Refrigeration.

There are many choices in large, tall wine storage units available.

Under-counter Products - Wine Storage Unit, Beverage Centers, Beer Taps, Regular Refrigerators.

The most popular choice today in refrigeration is the cabinet depth, French Door refrigerator.

2. What type of ice-maker?
A.) Water & Ice, through the door _____ B.) Inside freezer _____ C.) Other _____
3. Would you like the refrigerator to have custom wood panels?
A.) Yes _____ B.) No _____

Note: The most widely chosen color today is Stainless Steel.

4. Door Swing?
A.) Left Door Swing (open from right to left) _____ B.) Right Door Swing (open from left to right) _____

Note: Some manufacturers have reversible doors, field convertible. Other manufacturers reverse the door at the factory and must be ordered that way.

5. Do you want the refrigerator to be "Flush Mounted" or "Cabinet Depth"?
A.) Flush Mounted _____ B.) Cabinet Depth _____ C.) Other _____
6. Other Items to be aware of: Dual-compressor, Vegetable drawer - temperature controlled, warranty, glass shelves, adjustable shelves, wine racks, 1/2 gallon milk in door, adjustable door shelves, etc.

Appliance questions to consider before ordering:

Range



Questions:

1. Do you want a Freestanding Range _____ or a * Slide-in Range _____?

* A slide-in range usually has the countertop material go under a piece of trim on the range. This is important to have the countertop preparer make the correct cut-outs in the countertop so the range will fit. That's correct, you may need your countertop adjusted in order to have your slide-in range look good. Usually a slide-in range comes without sides, because the installation is between two base cabinets...there is no need. Occasionally, the slide-in range is at the end of a run of base cabinets, here you would need to order a side panel to finish the range. Make sure you order the correct side...(right or left side).

2. Choosing the correct range for your needs:

- A.) Duel-Fuel Range _____
- B.) Gas Range _____ Plus: Natural Gas _____ LP (Liquid Propane) _____
- C.) Electric Range _____
- D.) Convection Range _____
- E.) Induction Range _____
- F.) Commercial Style Range (Pro- Range) _____

Note: You could check more than one of the above categories. Example: You could choose a Duel-Fuel, Pro-Range, with a convection oven.

3. There are two areas to consider when selecting a range, the cooking surface and the oven:

The cooking surface - A.) Gas _____ B.) Electric _____ C.) Induction _____
D.) Adding a grill or griddle _____

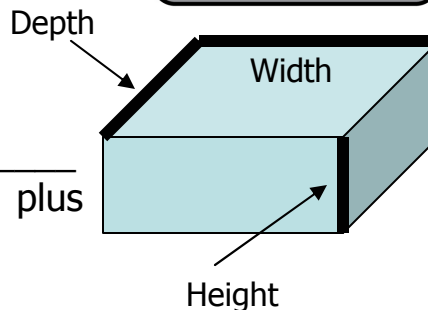
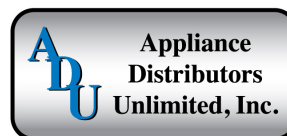
Note: There are many configurations of burners and different items you could add. You should refer to the Gas Cooktop and Electric Cooktop sections of FAQ to select your cooking surface.

4. The oven - A.) Gas _____ B.) Electric _____ C.) Convection _____ D.) Self-Clean _____ E.) Roll out racks _____

Note: There are many choices with regard to oven features, please refer to the section regarding Wall Ovens.

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Appliance questions to consider before ordering:
Electric Cooktops



Questions:

1. Measure your existing electric cooktop.
A.) Width _____ B.) Depth _____ C.) Height _____
The standard cooktop lengths are 30" and 36", plus others.
2. If you want to change the size...
A.) _____
This would be determined on the cabinet below the cooktop. You need to measure the cabinet width below the cooktop. If you have a 30" cooktop in a 33" base cabinet and changed to a 36" cooktop into a 33" base cabinet, this would be impossible. Please consult ADU salesperson and your cabinet person to determine what works or any changes that could be made to accommodate the new cooktop.
3. How many burners do you want?
A.) 4 _____ B.) 5 _____ C.) Other _____
4. Many electric cooktops have a bridge element. (This would take two elements and bridge them together so you could cook a casserole dish between the two burners.)
A.) Yes _____ B.) No _____
5. There are many sensors built into electric cooktops today, for example, a sensor to determine the size pan you are using, or a sensor to make sure the product inside the vessel does not overflow or burn off with nothing left in the vessel.
A.) Sensors _____
6. Electric cooktops come in many designs, finishes, and colors. Consult your ADU Salesperson for the many choices available.
Note: In the past, electric coils heated the entire cooktop and cleaning the surface was difficult (Corning Glass). Today, the surface is a ceran type material produced by Schott Glass of Germany. Schott Ceran has developed the only glass ceramic in the world produced without the toxic heavy metals arsenic and antimony and has set new standards in kindness to the environment.
Note: Many cooktops can be vented with a downdraft system or have it built-in as part of the cooktop. This will be addressed in the section about Downdraft Systems.

Appliance questions to consider before ordering:

Microwave Ovens



Questions:

1. Type of microwave oven?

A.) Countertop _____ B.) Built-in _____ C.) Over-the-range _____ D.)
Convection _____ E.) Drawer _____ F.) Speed Cook _____

If you choose:

A.) Countertop

Do you want - Compact _____, midsize _____ or large _____.

You can add the convection mode to any of the above sizes.

Note: If you choose to put the microwave oven on the countertop, make sure you have plenty of space and you are not sacrificing counter space you need.

B.) Built-in

These models mount underneath a cabinet or counter or above a wall oven. Often these models are paired with an appliance set. (Built-in Microwave, Single Wall Oven and Warming Drawer).

You can add the convection mode to any of the built-in models available. Good choice for the shopper who is short on counter space.

C.) Over-the-range

These models provide ventilation for your range and also save on counter space. They are often paired with an appliance set for a consistent look and feel for the whole kitchen.

You can add the convection mode to any of the OTR units available.

D.) Convection

They cook quicker than a regular microwave - a convection oven has an internal fan that circulates air, thereby cooking food quicker and more evenly. For the home chef who wants time-saving shortcuts.

E.) Drawer

It's also built-in, but it is at an easy-to-reach height. For homeowners who want a more modern, built-in appliance.

F.) Speed Cook

Using both microwave and light technology, speed cook microwaves cook food in traditional methods but faster -- four to eight times faster, according to some manufacturers. Most advanced models are also a convection and warming oven and can be built-in. They are also more energy efficient than conventional ovens.

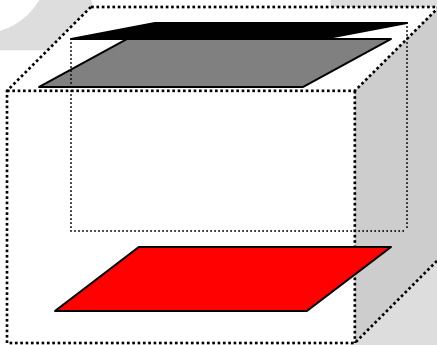
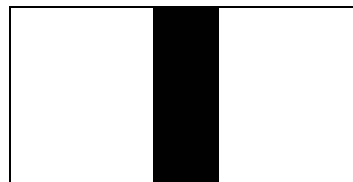
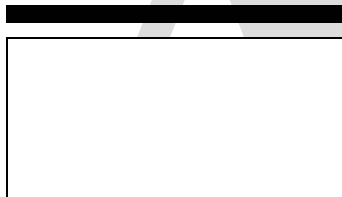
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Appliance questions to consider before ordering:
Downdrafts

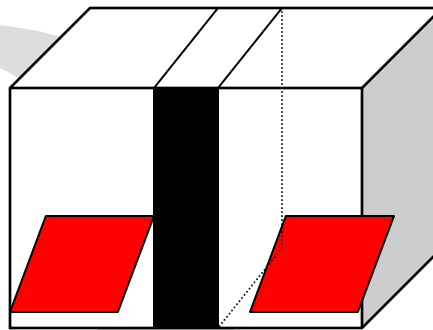


Questions:

1. Two types of downdrafts:
A.) Behind the cooktop _____ B.) Within the cooktop _____



Storage space in front of downdraft in base of cabinet.



Storage space to the right and left of the downdraft.

2. The most popular sizes in downdrafts are:
A.) 30" _____ B.) 36" _____ C.) Other _____
3. The choice with most downdrafts would be the Exhaust Fan.
A.) Internal Fan _____ B.) External Fan (Remote) _____
Note: If you elect to use an external fan the fan motor noise would be eliminated from the noise you would hear in the kitchen. This choice is based on duct run and personal preference. Please consult your local ADU Salesperson for the best possible advice.
4. Installation of cooktop and downdraft behind the cooktop would not fit into a standard base cabinet. Normally, the base cabinet would be pulled 3 inches away from the wall to enable the installation to work. This installation would create a coast line effect in the base cabinets. Again, consult your ADU Salesperson and/or designer to help visualize the effect of this type of installation.
Note: Downdrafts are not recommended for indoor grilling or Wok cooking. When heavy cooking is encountered an overhead hood should be



recommended.

Appliance questions to consider before ordering:

Washer



Questions:

1. What types of Washing machines are available?
A.) Front-loading Washers _____ B.) Top-Loading Washers _____ C.)
Laundry Centers _____ D.) Compact _____ E.) Washer-Dryer Combination

A.) Front-loading Washers

These are the most popular option for higher-end shoppers. Some of the benefits of front-loading washers are that the clothes tend to come out cleaner and the machine typically uses less water, detergent and energy. They can also be quieter than top-loading machines. Many front-loaders come in sets with a dryer and are calibrated to work together—those with faster spin cycles turn out dryer clothes (which means they need less time in their companion clothes dryer). Some models are stackable with a dryer. You have to use high-efficiency detergent with these machines since regular clothes soap creates too many suds. The one downside for some people: you have to stoop down to load and unload. So, buy the pedestals.

B.) Top-loading Washers

the traditional top-loading washer can consume more energy, water, and be noisier—and they tend to have less capacity. With this model, loads can become unbalanced and stop the wash cycle. The good news is that for the trade-off they are less expensive than most front-loaders and wash clothes faster. High-efficiency top-loading machines are available and with larger-than-average washtubs and no agitator, but they come with a higher price tag.

C.) Laundry Centers

This washer-dryer duo comes in a set and might be stacked in a closet to take up less space. The washer may come as a top or front loader depending your style and budget. Space Saving units.

D.) Compacts

Some compact washers can be stored and pulled out when needed. For those that live in small spaces.

E.) Washer-Dryer Combination

These front-loading and compact washers are popular in Europe, and combine the washer and dryer into one machine—once you stick your clothes in they will be both washed and dried. This can be an option for an RV. The cycles take adu.com longer while the loads are often smaller than a standard washer. Sometimes clothes can be slightly damp even after being dried.

Appliance questions to consider before ordering:

Dryer



Questions:

Dryers used to be tumbling hot boxes that liberated housewives from having to line-dry clothes and iron everything. Now dryers have grown up to be more energy-efficient and include new sensors and settings that protect clothes from one-size-fits-all high heat. They can even produce wrinkle-free clothes—no iron needed. And most are sold in stylish, modern, or colorful sets with matching washing machines that are side-by-side or stacked.

1. What types of dryers are available?

A.) Electric _____

By far the most common type of dryers are electric. Their sticker price is usually less expensive than those of gas dryers—but in exchange they typically cost more to operate day-to-day depending on electricity rates.

B.) Gas _____

Most gas dryers cost \$50 to \$100 more than their electric counterparts. But over time, they are the most cost effective to operate. The only hitch is that you need a gas hookup in your laundry area to install the dryer.

C.) Space-savers

Laundry centers come in gas or electric and are typically integrated stacked units with a top-loading washer on the bottom and front-loading dryer on the top. They are found in many apartments and condos behind a closed closet door. There also are compact electric dryers that have about half the capacity of full-size dryers and can be stacked on top of matching washing machines.

2. Common problem of any washer/dryer units in a closet...will it fit? Most closets are a traditional size. The consumer wants the biggest washer and dryer they can get...problem - the washer and dryer don't fit. Ducting of the dryer can get in the way of whether or not the units will work or not. Again, consult your ADU Salesperson and/or designer to make sure your investment will work or not.

Note: The most important feature the manufacturer has installed in the new dryers of today—the sensor that tells the dryer to terminate the cycle of drying when the sensor determines the clothes are dry. Most consumers turn the dryer timer to 60 minutes and of course, the dryer dries for 60 minutes. The clothes may be dry in 45 minutes. If this happens every time you dry your clothes—well, you can see what a costly expense. Wasting energy, dryer operation (need not run), and your money.

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Appliance questions to consider before ordering:
Under-Counter Products



Questions:

1. Choices -
A.) Refrigerator _____ B.) Refrigerator/Freezer _____ C.) Refrigerator
Drawer _____ D.) Outdoor Refrigerator _____ E.) Beverage Center _____
F.) Ice Maker _____ G.) Freezer Drawer _____ H.) Wine Storage _____
I.) Beer Tap _____

2. Features:
A.) Digital Controls _____ B.) Dial Controls _____ C.) Dual-Zone _____
D.) Three-Zone _____ E.) Requires a drain line? _____ F.) Lock _____
G.) Reversible Door _____ H.) UL Outdoor listed _____ I.) Size _____ *
J.) How much ice does it make? _____ **K.) Temperature - refrigerator
= 39 degrees, but Beverage center = 42 degrees _____ *** L.) Warranty
_____ M.) Door Panels & Overlays _____ ****

* Most Under-counter Units are 24", but there are a few units 15".

** How much ice will it make? You are really asking about that party you are going to have. The day before you should make ice and store it in your freezer. Almost every party runs out of ice. If you make enough the day before, you will never run out.

*** If you want cold soda, then 39 degrees would be what you would want to enjoy that cold soda or beer.

**** Door Panels need to be ordered from your cabinet manufacturer. Correct size will be found on the website of each manufacturer. Consult your ADU Salesperson and/or designer to ensure the correct panel size.

3. Door Swing?
A.) Left Door Swing (open from right to left) _____ B.) Right Door
Swing (open from left to right) _____
Note: Some manufacturers have reverse doors, field convertible.
Other manufacturers reverse the door at the factory and must be
ordered that way.

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Appliance questions to consider before ordering:

Pro-Ranges



Questions:

1. What size would you like?
A.) 30" _____ B.) 36" _____ C.) 48" _____ D.) 60" _____ E.) Other _____
2. Style of Pro-Range:
A.) Dual-Fuel (Gas top/Electric Oven) _____ B.) All Gas _____ C.) All Electric _____
3. Top configuration of burners/add grill or griddle:
A.) All Burners _____ B.) Burners & Griddle _____ C.) Burners & Grill _____ D.) Other _____
4. Accessories for top of cooking surface:
A.) Wok Ring _____ B.) Attached Griddle _____ C.) Attached Grill _____
D.) Cover Plate _____ E.) Chopping Block _____ F.) Others _____
5. Back Guard for the back of the Range:
A.) Island Trim _____ B.) 9" Back Guard _____ C.) 24" High-Shelf _____
D.) Others _____

Note: The sizes above vary from manufacturer - they also vary as if some back guards are already installed on the back of the range. Contact your ADU Salesperson and/or designer for help in selecting the correct back guard for your application.

Also, some consumers like a decorative piece on the wall between the range and the hood. This would require more information gathered from your designer or appliance salesperson.

6. Type for fuel in the home:
A.) Natural Gas _____ B.) LP (Liquid Propane) _____
Note: There are some ranges when purchased, if you make a mistake in the type of fuel used, can not be field converted to the other fuel. This would be difficult or impossible to do. Thus, the manufacturer not willing to exchange the unit. Getting a 300 to 500 pound Pro-Range into the home and in place in the kitchen is not easy. The consumer could add additional cost in removal and re-installation. This could be very expensive.

7. Delivery of Pro-Range:
It is very important to inform the dealer about extra steps and circumstances that are obstacles in getting the range from the street into the kitchen.

Note: Getting a qualified adu.com delivery/installer to deliver and hook-up your Pro-Range is very important to ADU and you.