# Cook Like A "Pro"

### Use a Meat Thermometer.

- Eliminates Guesswork
- Prevent under or over cooking.
- Insures Food Safety

How to use a meat thermometer:

- 1. Insert thermometer in center of thickest part of steak or roast. Make sure thermometer is not touching bone or fat.
- 2. Wait 10 to 15 seconds before reading.
- 3. Remove meat from heat when thermometer reads:

	Degree of Doneness	Remove when Thermometer Reads	Final Cooked Temperature
<b>BEEF, VEAL OR LAMB</b>	Rare	130°F - 135°F	140°F
Roast, Steak or Chops	Medium Rare	135°F - 140°F	145°F
	Medium	150°F - 155°F	160°F
	Well Done	160°F - 165°F	170°F
GROUND BEEF, PORK,	Medium		
LAMB AND VEAL	(Cook until light	160°F	160°F
Patties, Meat Loaf	gray and no longer		
or Meat Balls	pink in center)		
PORK	Medium	150°F - 155°F	160°F
HAM			
Fully Cooked, Whole	To Reheat	140°F	145°F
Fully Cooked, Sliced	To Reheat	165°F	165°F
Fres, Raw (Leg)	Medium	150°F	160°F
POULTRY			
Whole Chicken/Turkey*	Well Done	165°F - 170°F in thigh/	180°F in thigh
		165°F in breast	170°F in breast
Parts: Bone-In, Boneless	Well Done	165°F	170°
GROUND POULTRY	Well Done	165°F	165°F
SEAFOOD/FISH	Medium Rare	135°F - 140°F	145°F
	Medium	145°F	150°F - 155°F

\* If whole chicken or turkey is stuffed, stuffing must reach 165°F. Source: U.S. Dept. of Agriculture and Federal Food Code.



## **Owners Manual** Model 4400-EC-448 Electri-Chef® Grills

#### OUTDOOR USE ONLY



\*\* Save this manual for future reference \*\*

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If you have any questions about the assembly or operation of your Electri-Chef® Model 4400-EC-448 Grill, please contact Electri-Chef® Customer Service at

### 1-800-442-7207 Email: info@electri-chef.com Fax: 254-938-7055

#### **Electri-Chef® Grills**

P.O. Box 1026 Temple, TX 76503



# NOTES



We hope you will take the time to read this manual. By taking the time to read this manual you will receive the maximum cooking benefits of your Electri-Chef<sup>®</sup> grill and also be informed about the safety and operation. To activate the warranty on your Electri-Chef<sup>®</sup> grill please take the time to fill out the enclosed registration card and mail it back to the manufacturer.

We know you will be completely satisfied with the Electri-Chef Model 4400-EC-448 Grill. If you have any questions regarding the assembly, operation or safety procedures of your new Electri-Chef<sup>®</sup> grill please contact us in one of the following ways.

### 1-800-442-7207 Email: info@electri-chef.com Fax: 254-938-7055

### This manual contains the following information:

- Unpacking Instructions
- Maintenance Instructions
- Shipment Inventory
  Assembly Instructions
  Warranty

#### This manual applies to models:

4400-EC-448-I-S 4400-EC-448-IM-S 4400-EC-448-CB-S 4400-EC-448-PB-S		4400-EC-448-I-D 44		44	400-EC-448-PB-D 400-EC-448-TT-D 400-EC-448-JA/CT				
MODEL DEFINITIONS									
ex: <b>4400</b>	EC	448	*		S o	r D			
Model Series	Electri-Chef	Grilling Area (Sq. In	.) see be	low	S= Single Control D=Dual Control				
	I = Island IM = Island N CB = Closed	<i>I</i> larine TT	= Pedestal = Table Top /CT = JA Co	)	ор				
4400 = Moc	del Series								
EC = Electri	-Chef®		Amps 24	х	Volts	=	Watts		
208-220 Vo	lts - Single F	Phase - 30 Amp	24	х	220	=	5280		
		-							

CAUTION "

# **1.0 Safety Details**

## \land WARNING

THIS OWNERS MANUAL SHOULD BE READ COMPLETELY BEFORE ATTEMPTING TO USE OR SERVICE THE ELECTRI-CHEF® MODEL4400-EC-448 GRILL. FAILURE TO FOLLOW THE INSTRUCTIONS IN THIS MANUALCOULD RESULTIN PROPERTYDAMAGE, SEVERE PERSONAL INJURY, OR DEATH.

It is important to note that some vital statements throughout this manual and on the decals afted to the Electri-Chef® Model 4400-EC-448 Grill are preceded by bars containing the words DANGER, WARNING, CAUTION, or NOTE. For your protection we recommend you take special notice of these safety procedures. Safety procedures are essential and must be followed.

If any of the labels on the grill become damaged, have been removed or cannot be easily read, they should be replaced immediately to avoid possible property damage, personal injury, or death. Contact your Electri-Chef<sup>®</sup> distributor, dealer or Electri-Chef<sup>®</sup> Service Center.

### \land DANGER

A DANGER INDICATES AN IMMEDIATE HAZARD WHICH WILL RESULT IN SEVERE PERSONAL INJURY OR DEATH.

## \land WARNING

A WARNING INDICATES AN IMMEDIATE HAZARD WHICH COULD RESULT IN SEVERE PERSONAL INJURY OR DEATH.

 A CAUTION INDICATES HAZARDS OR UNSAFE PRACTICES WHICH COULD RESULT IN PRODUCT OR PROPERTY DAMAGE OR MINOR PERSONAL INJURY.

### \land NOTE

• A NOTE PROVIDES KEY INFORMATION TO MAKE PROCEDURES MORE EASILY UNDERSTOOD.

The safety procedures listed must be followed whenever the Electri-Chef<sup>®</sup> 4400-EC-448 Grill is being operated, repaired, or serviced. Speci⊡c warnings appear throughout this manual and on the Electri-Chef<sup>®</sup> 4400-EC-448 Grill

# **Grill Labels**

#### **CAUTION - FOR YOUR SAFETY**

To ensure continued protection against risk of electric shock, connect to properly grounded outlets only. Disconnect from electric outlet before cleaning or any service work is done on unit

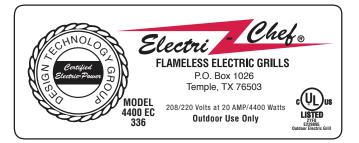
#### **OPERATING INSTRUCTIONS**

- · Clean drip trays before each use
- Read owners manual before
- Turn timer past 10
- Select grilling temperature
- Set timer to desired time
- When grilling is complete turn temperature control to "0" and allow timer to time out automatically

#### **ATTENTION**

Débranchez l'appareil de la prise de courant quand vous ne l'utilisez pas, avant d'enlever ou d'installer des piéces et avant de le nettoyer.

Les appareils á cordon qui doivent (etre mis á la terre) par le cordon et la fiche, conformément á l'article 27.6.1, doivent porter le marguage suivant, ou l'quivalent, á un endroit bien en vue: [ATTENTION. Pour ne pas comprometir a protection contre les rusques de choc électrique, ne brancher qu'á une prise correctement mise á la terre.]



# 7.0 Warranty

#### LIMITED LIFETIME, 5, 3 AND 1 YEAR WARRANTY

THE STAINLESS STEEL GRILL ASSEMBLIES OF THIS PRODUCT ARE WARRANTED FOR THE LIFETIME OF THE ORIGINAL CONSUMER PURCHASER FROM THE DATE OF PURCHASE, AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP.

THE COOKING GRID IS WARRANTED TO THE ORIGINAL CONSUMER PURCHASER FOR FIVE (5) YEARS FROM DATE OF PURCHASE AGAINST BURN-OUT OR DEFECTS IN MATERIALS AND WORKMANSHIP.

THE STAINLESS STEEL HEAT - FLAVOR PLATE IS WARRANTED TO THE ORIGINAL CONSUMER PURCHASER FOR THREE ( 3 ) YEARS FROM DATE OF PURCHASE, AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP.

ALL OTHER COMPONENTS, ELECTRICAL OR MECHANICAL ARE WARRANTED TO THE ORIGINAL CONSUMER PURCHASER FOR A <u>MINIMUM</u> OF ONE (1) YEAR FROM THE DATE OF PURCHASE OR THE WARRANTY TIME OF THE MANUFACTURE OF THE COMPONENT, ELECTRICAL OR MECHANICAL, WHICH EVER WARRANTY TIME PERIOD IS LONGER, AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP.

THIS WARRANTY <u>DOES NOT COVER</u> DAMAGE OR FAILURES CAUSED BY <u>MISUSE</u>, <u>UNCONTROLLED FLARE-UPS</u>, <u>NEGLIGENT OR COMMERCIAL</u> <u>USE</u>. IF ANY WARRANTED PART FAILS DURING ITS WARRANTY PERIOD, SEND THE FAILED OR DEFECTIVE PART(s) TO ELECTRI-CHEF GRILLS FOR REPAIR OR REPLACEMENT AT THE MANUFACTURER'S OPTION WITHOUT CHARGE. THE TRANSPORTATION COST FOR RETURNING FAILED OR DEFECTIVE COMPONENTS ARE THE RESPONSIBILITY OF THE CONSUMER.

REPAIR OR REPLACEMENT OF A DEFECTIVE COMPONENT(S) IS THE SOLE REMEDY UNDER THIS LIMITED WARRANTY. IN NO EVENT WILL ELECTRI-CHEF BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES. SOME STATES DO NOT ALLOW THE LIMITATION OR EXCLUSION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU. ANY IMPLIED WARRANTY OF THIS PRODUCT SHALL BE LIMITED IN DURATION TO ONE (1) YEAR DATE OF PURCHASE. SOME STATES DO NOT ALLOW LIMITATIONS ON THE DURATION OF IMPLIED WARRANTY, SO THIS LIMITATION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

#### **Electri-Chef® Grills**

P.O. Box 1026 Temple, TX 76503

# **1.1 Important** Safeguards

#### **READ and SAVE THESE INSTRUCTIONS**

Do not touch hot surfaces. Use handles or knobs.

To protect against electrical shock do not immerse cord or plugs in water or other liquids.

This appliance should not be used by children.

Unplug from outlet before cleaning. Allow to cool before servicing.

Do not operate any appliance with a damaged cord or plug or after the appliance malfunctions or has been damaged in any manner. Return appliance to the nearest authorized service facility for examination, repair, or adjustment.

The use of accessory attachments not recommended by the appliance manufacturer may cause injuries.

Extreme caution must be used when moving an appliance containing hot oil or other hot liquids.

Do not use appliance for other than its intended use.

Fuel, such as charcoal briquettes, is not to be used with appliances.

Use only on properly grounded outlet.

Servicing of this appliance should be performed by an authorized service representative.

Do Not Use extension cord.

Clean Drip Tray before each use.

#### **READ and SAVE THESE INSTRUCTIONS**

# **1.1 Importantes Mesures de Securite**

Appliquez les mesures de securite elementaires suivantes lor vous utilisez un appareil electrique:

- a) Lisez toutes les instructions.
- b) Ne touchez pas les surfaces qui peuvent etre chaudes. Utilisez les poignees ou les boutons.
- c) Pour eviter les chocs electriques, ne plongez pas le cordon, la fiche ou liap pareil portatif (indiuer au besoin diautres pieces similaires) dans lieau ou autre liquide.
- d) Surveillez bien les enfants siils utilisent un appareil ou siils se trouvent a proximite d'un appareil en marche.
- e) (i) Appareils portatifs. Debranchez l'appareil de la prise de courant quand vous ne l'utilisez pas, avant d'enlever ou d'installer des pieces et avant de le nettoyer. Laissez l'appareil refroidir avant de le manipuler.
  - (ii) Appareils branches a demeuer. Assurez-vous que l'appareil est ARRETE quand vous ne l'utilisez pas, avant d'eniever ou d'installer des pieces et avant de le nettoyer.
- f) Appareils portatifs. Ne faites pas fonctionner l'appareil si le cordon ou la fiche sont endommanges, si l'appareil ne fonctionne pas correctement, s'il est tombe ou s'il a ete tombe ou s'il a ete endommage. confiez au service de reparation recommande le plus proche tout examen, reparation ou reglage electrique ou mecanique de l'appareil.
- **g)** L'utilisation d'accessories non recommandes par le fabricant de l'appareil peut causer des blessures.
- h) N'utilisez pas l'appareil a exterieur (cette consigne peut etre omise si le pro duit est destine a etre utilise a l'exterieur.
- Ne laissez pas le cordon pendre par-dessus le bord d'une table ou d'un comptoir et assurez-vous que le cordon n'est pas en contact avec des sur faces chaudes.
- i) Ne placez pas l'appareil pres d'un bruleur a gaz allume ou d'un element electrique ou tension ou dans un four allume.
- k) Sovez tes prudent en deplacant un appareil qui contient de l'huile ou un autre liquide chaud.
- I) Le cas echeant branchez toujours la fiche a l'appareil et assurez-vous que l'interruptuer de celui-ci est a la position ARRET (OFF) avant de brancher lafiche dans la prise. Pour de brancher l'appareil, placez l'interrupteur a ARRET (OFF) puis retirez la fiche de la prise de courant.
- m) N'utilisez l'appareil que pour la fonction a laquelle il est destine.
- n) Evitez de troucher les pieces mobiles.
- o) Conservez ces instructions.

## 6.0 Caring for the Exterior of Your Stainless Electri-Chef<sup>®</sup> Grill Continued

### **DANGER**

NEVER ATTEMPT TO SERVICE OR REPAIR YOUR GRILL WHILE PLUGGED INTO THE ELECTRIC OUTLET.

### 🔨 WARNING

Disconnect from electric outlet before cleaning or any service work is performed on this gril unit.

#### **Cleaning Exterior**

#### **Regular Cleaning...**

- Wash down the surface regularly using water containing soap or mild detergents.
- · Always rinse the surface with fresh water after cleaning.
- Polishing the surface with a soft dry cloth can complete a thorough cleaning operation.
- When wiping or polishing stainless steel, always follow the direction of the original grain or "brush" finish.

#### Cleaning Aids...

- Never use abrasive materials such as scouring pads or wire wool.
- Use a brush or soft damp cloth to remove loose deposits.
- Use a cream cleanser and soft cloth for stubborn deposits.

All grades of stainless steel can stain and discolor as a result of long term surface deposits and can never be accepted as completely maintenance free. In order to achieve maximum corrosion resistance, the surface of the stainless steel must be kept clean. Surface contamination and the formation of deposits must be prevented. These deposits may be minute particles of iron or rust from other sources used on the building or new premises and not removed until after the stainless steel items have been fixed. Industrial and even naturally occuring atmospheric conditions can produce deposits which can be equally corrosive, e.g. salt deposits from marine conditions. Strong acid solutions are sometimes used to clean masonry and tiling of buildings but these should NEVER be permitted to come into contact with metals, including stainless steel.

#### For additional information, please contact Electri-Chef<sup>®</sup> by calling (800) 442-7207 or via e-mail at info@electri-chef.com

## 6.0 Cleaning, Service & Maintenance of Your Electri-Chef<sup>®</sup> Model 4400-EC-448 Grill

## 🔨 NOTE

Do not use high intense heat to clean grid. Using high intense heat for cleaning only bakes grease and food to grid and wastes electricity. This practice may result in a grease fire which may cause damage to the grill and its electronic components.

# \Lambda WARNING

Disconnect from electric outlet before cleaning or any service work is performed on this grill unit.

## \land NOTE

It is recommended to use rubber or plastic gloves during cleaning of grill.

# ▲ CAUTION

NEVER USE any abrasive cleanser, wire brush, metal scouring pads or any other abrasives on the stainless steel surfaces of the grill.

#### **Cleaning Interior**

- A. Disconnect grill from electric outlet.
- **B.** Remove Grease Drip Tray and dispose of drip tray liner if required. Replace with heavy duty aluminum foil if a disposable liner is not available.
- C. Use a spray oven-cleaner ("Easy-Off Fume Free Max" is recommended) and FOLLOW THE DIRECTIONS ON THE CAN for two hour cleaning. Disregard the "BBQ Grill Cleaning" warning statement about grill surfaces located on the can. Your all stainless steel interior and exterior surfaces of your grill <u>WILL</u> NOT be damaged from the use of the Easy-Off oven cleaner.
- **D.** After cleaning, wipe grill dry and reconnect to the electric outlet.
- F. Cleaning of Cooking Grid.
  - 1. Follow "BBQ Grill Cleaning" on back of Easy-Off can. After completion replace cooking grid.
- G. Cleaning of Stainless Steel Heat Plate.
  - Remove cooking grid from grill. Remove stainless steel Heat Plate from grill and scrape excess burnt food and grease onto paper or into plastic bag for disposal. Replace Heat Plate and Cooking Grids.

#### Service & Maintenance

There is very little service or maintenance required except for cleaning. If you encounter any operational problems with your Electri-Chef® Grill, unplug the grill from the electic outlet and call your dealer where you purchased the grill or call Electri-Chef® Grills customer service department during normal business hours. Call 1-800-442-7207 or Email: info@electri-chef.com

### 2.0 Unpacking Instructions for CB & PB Models

This section describes how to unpack your Electri-Chef® Model 4400-EC-448-CB or Model 4400-EC-448-PB Grill

#### Step 1

- A. Cut nylon straps holding carton.
- B. Lift carton off grill.
- C. Remove all foam packing.
- D. Before continuing read Owner's Manual.

#### Step 2

- F. Remove grill from carton bottom.
- G. Remove all items from boxes or shipping enclosures.
- H. Remove tape from grease tray.
- I. Open grill hood and remove warming rack from corrugated sheet and remove all other packing material from under cooking grids and stainless steel heat plate.

#### **Shipment Inventory**

Below is a complete list of grill components and hardware that you should have received with your shipment. If you are missing any of the items listed below, immediately contact the dealer from whom you purchased your grill or contact Electri-Chef® Grills customer service at 1-800-442-7207

#### A. Items in carton

- 1. Grill body, base with collapsable shelves
- 2. One (1) Owner's Manual.
- 3. One (1) warming rack.
- 4. Four (4) swivel casters (or 4 adjustable legs if leg option ordered).
- 5. Four (4) cooking grids.

### **2.1 Assembly Instructions** for CB & PB Continued

This section describes how to assemble your Electri-Chef® Model 4400-EC-448 Grill

### NOTE

No grill assembly is required for the Model 4400-EC-448-CB. The grill comes fully assembled and ready to use.

No grill assembly is required for the Model 4400-EC-448-PB. The grill comes fully assembled. Anchoring is required before use.

For additional information, please contact Electri-Chef<sup>®</sup> by calling (800) 442-7207 or via e-mail at info@electri-chef.com

## **5.0 Operating Instructions**

Your grill has now been unpacked and assembled. It is now time to plug your grill into a 220 Volts Single Phase 30 AMP outlet.

### WARNING

Plug this unit into a properly grounded 220 Volt - Single Phase - 30 AMPS outlet.

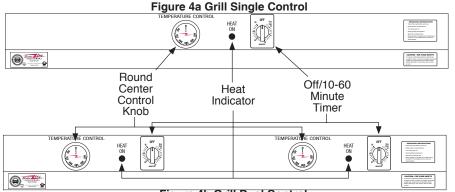


Figure 4b Grill Dual Control

Follow the instructions on the control panel of your grill and other suggestions in this section to operate your Electri-Chef® Model 4400-EC-448 Grill.

Your Single control grill in Figure 4a, consist of one (1) Round Temperature Control Knob and one (1) OFF/10-60 Minute Timer and one (1) Heat Indicator.

Your Dual control grill in Figure 4b, consist of two (2) Round Temperature Control Knobs and two (2) OFF/10-60 Minute Timers and two (2) Heat Indicator.

- The Round Temperature Control Knob controls the grill temperature through a range of 0 (OFF) 120° - 570°

Preheat grill 10 - 12 minutes at desired temperature control setting before grilling.

#### **OPERATING INSTRUCTIONS**

- 1. Read owners manual
- 4. Select grilling temperature
- before operating this grill
- 2. Plug into 220 Volts
- 5. When grilling is complete
- @ 30 AMP outlet
  - turn temperature control to "0" and allow timer to time

off automatically

3. Set timer to desired time

#### General notes for above

- 1. Always check grease trays for excess grease or food particles before each use. If required, remove excess grease or food.
- 2. It is recommended that all grilling, cooking or baking be accomplished with the grill hood in the closed position.
- 3. At the completion of any grilling, cooking or baking, do the following: A. Turn round temperature control knob to zero (0). (OFF)
  - B. Allow timer to time out. Do not force to zero (0). (OFF)
  - C. Clean cooking grid with soft wire brush of any excess greas and food particles.

Allow the timer to time out on its own. Components may be damaged by forcing timer to "0". (OFF)

### 4.2 Assembly Instructions for Island Model (continued)

#### Step 3.2

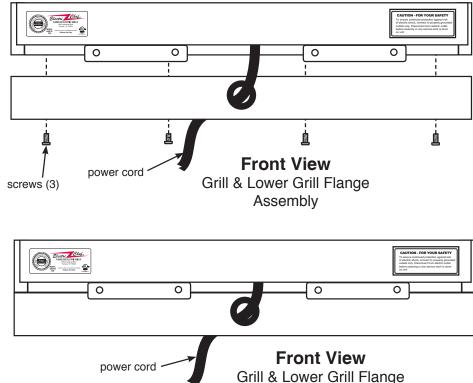
Attaching the Lower Grill Flange to Island Grill

#### **Island Lower Grill Flange**

#### Notes

- 1. The Lower Grill Flange is attached to the power cord. There is no way of removing the Lower Grill Flange without damaging it or the power cord.
- 2. Attach the Lower Grill Flange to the Island Grill as shown in diagram 1.a with a phillips screwdriver, using the screws in the enclosed bag labeled Lower Grill Flange Mounting Screws.

#### Diagram 1.a



Attached

### 3.0 Unpacking & Assembly for TT Models

This section describes how to unpack your Electri-Chef® Model 4400-EC-336-TT Grill

#### Step 1

- A. Cut nylon straps holding carton.
- B. Lift carton off grill.
- C. Remove all foam packing.
- D. Before continuing read Owner's Manual.

#### Step 2 - Assembly

- E. Remove grill from carton bottom.
- F. Attach legs (4) on each corner of the grill body.

#### Step 3

- G. Remove all items from boxes or shipping enclosures.
- H. Remove tape from grease tray.
- Open grill hood and remove warming rack from corrugated sheet and remove all other packing material from under cooking grids and stainless steel heat plate.

#### **Shipment Inventory**

Below is a complete list of grill components and hardware that you should have received with your shipment. If you are missing any of the items listed below, immediately contact the dealer from whom you purchased your grill or contact Electri-Chef<sup>®</sup> Grills customer service at 1-800-442-7207

#### A. Items in carton

- 1. Grill body
- 2. One (1) Owner's Manual.
- 3. One (1) warming rack.
- 4. Four (4) legs.
- 5. Four (4) cooking grids.

### 4.0 Unpacking Instructions for 448-1 & 448-IM

This section describes how to unpack your Electri-Chef® Model 4400-EC-448-I/IM Grill

#### Step 1

- A. Cut nylon straps holding carton.
- B. Lift carton off grill.
- C. Remove all foam packing.
- D. Before continuing read Owner's Manual.

#### Step 2

- F. Remove grill from carton bottom.
- G. Remove all items from boxes or shipping enclosures.
- H. Remove tape from grease tray.
- I. Open grill hood and remove warming rack from corrugated sheet and remove all other packing material from under cooking grids and stainless steel heat plate.

#### Step 3.1 Assembly

J. See Island Cut-Out Information Page (see page 10)

#### **Shipment Inventory**

Below is a complete list of grill components and hardware that you should have received with your shipment. If you are missing any of the items listed below, immediately contact the dealer from whom you purchased your grill or contact Electri-Chef<sup>®</sup> Grills customer service at 1-800-442-7207

#### A. Items in carton

- 1. Grill body
- 2. One (1) Owner's Manual.
- 3. One (1) warming rack.
- 4. Four (4) cooking grids.
- 5. Four (4) Lower Grill Flange Mounting Screws

### 4.1 Assembly Instructions for Island Model (continued)

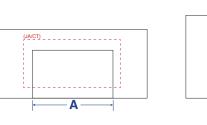


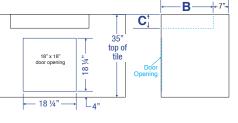
Island enclosures must be built of fire resistant materails.

#### Step 3.1

Place grill in island cut-out







Top View

Front View

Side View

#### Notes

- 1. No under grill support required on the island.
- 2. Grill has mounting flanges on sides & back which sit on top of island surface, tile, etc.
- 3. Grill cut-out should be (single & dual control use same cut-out dimensions):

#### **Island Model 448-I A.** 32 <sup>1</sup>/<sub>4</sub>" left to right

**B.** 16 <sup>1</sup>/<sub>4</sub>" front to back

Island Model 448-IM

- **A.** 33 5/8" left to right **B.** 16 3⁄4" front to back
  - C. 7 ¾" from top of island surface

#### Island Model 448-JA/CT

C. 7 <sup>3</sup>/<sub>4</sub>" from top of island surface

- **A.** 37" left to right **B.** 21" front to back
  - 4. Be sure 220 Volt @30 amp outlet is located behind island.
  - 5. Island should be constructed of fire resistant materials or grill cut-out should be lined with  $\frac{1}{2}$ " thick fire resistant materials.