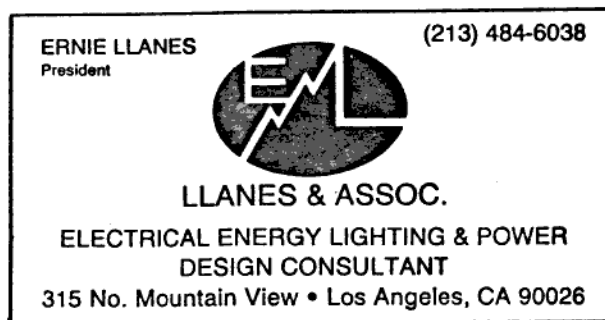


**ED KUIPERS & ASSOCIATES**  
18063 VANOWEN STREET  
VAN NUYS, CALIFORNIA 91406  
TELEPHONE: (213) 782-6882

**Edward Kuipers PE**



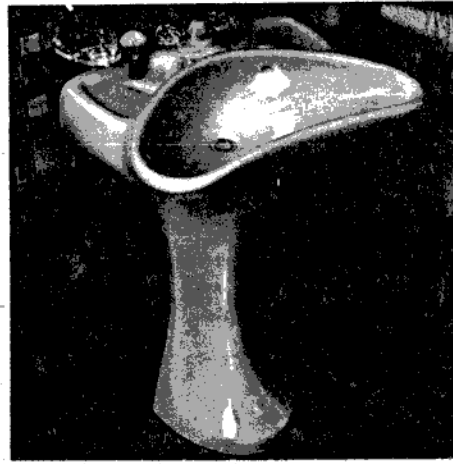
Art. No. 7124  
**COLANI**  
Pedestal Lavatory  
for single hole faucet



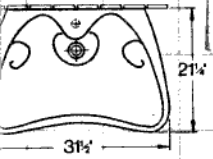
**PENN  
PIPE & SUPPLY**

**LINDA HARRIS**

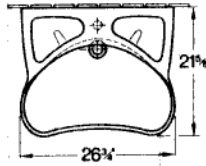
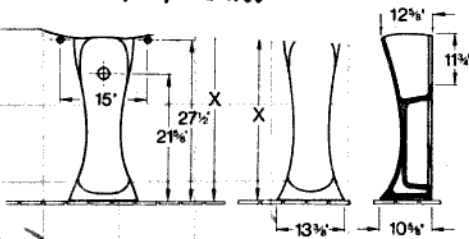
11121 DALE AVE.  
STANTON, CA 90680  
(714) 539-8955  
(213) 585-7366  
(800) 422-4750



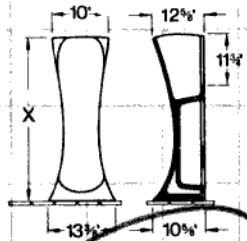
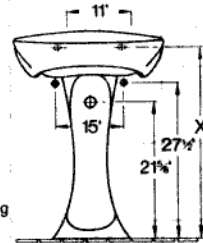
Art. No. 7123  
**COLANI**  
Pedestal Lavatory  
for single hole  
faucet only



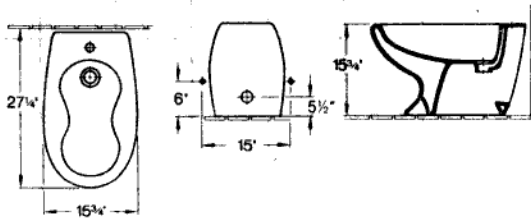
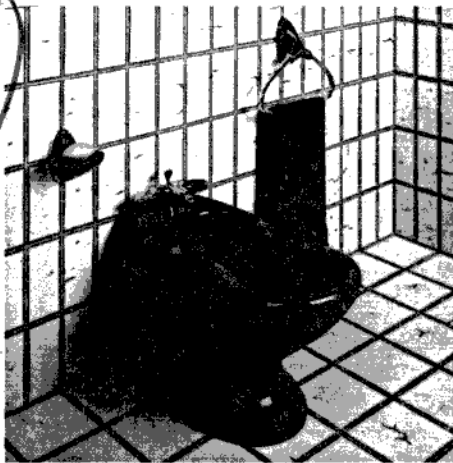
X = to be determined by placing  
pedestal underneath



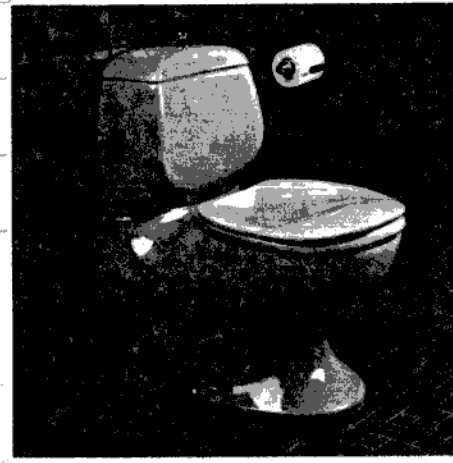
X = to be determined by placing  
pedestal underneath



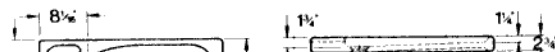
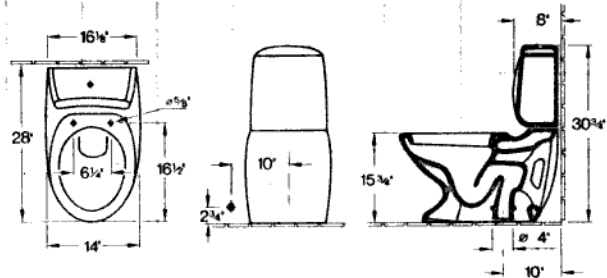
Art. No. 7416  
**COLANI**  
Bidet  
for over-rim supply  
bidet mixer

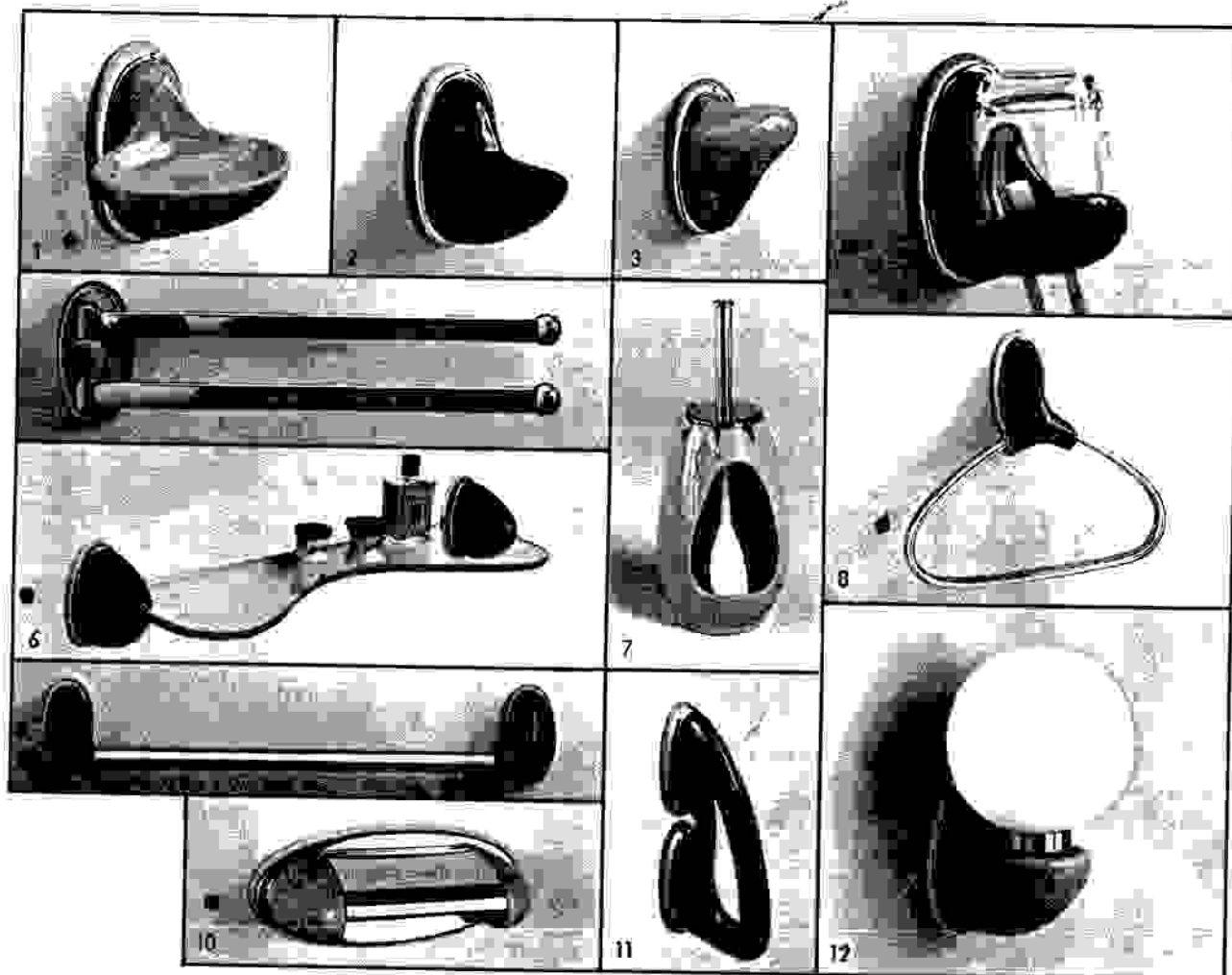


Art. No. 6214  
**COLANI**  
Shallow built-in



Art. No. 7657/01  
**COLANI**  
Close-coupled  
watersaving  
jet syphonic WC  
with tank, seat  
and flush mechanism





1 Art. No. 1155  
**Soap holder**

2 Art. No. 1165  
**Ashtray**

3 Art. No. 1116  
**Robe hook**

4 Art. No. 1150  
**Tumbler holder**  
(with crystal tumbler)

5 Art. No. 1118  
**Swing towel rail**  
(projection 20 1/4")

6 Art. No. 1110  
**Shelf**  
(25 3/8" x 5 7/8")

7 Art. No. 1164  
**Toilet brush set**  
(with brush)

8 Art. No. 1121  
**Towel ring**

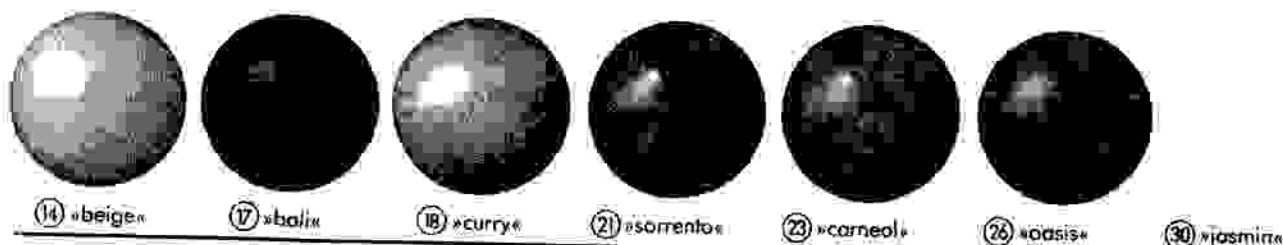
9 Art. No. 1101  
**Bath towel rail**  
(length 31 1/4")

10 Art. No. 1160  
**Toilet paper holder**

11 Art. No. 1107  
**Bath grab rail**  
(length 11 1/4")

12 Art. No. 6503  
**Mirror light**  
(frosted glass)

### Colour Chart



VILLEROY & BOCH, Europe's largest and most prestigious ceramics manufacturer, also offers a full selection of floor and wall tiles that are colour coordinated with all fixture colours

**VILLEROY & BOCH**

**PENN PIPE & SUPPLY**

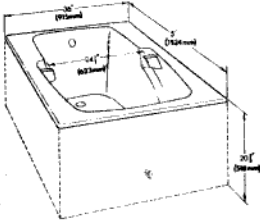
11121 Dale Avenue • Stanton, CA 90680  
(714) 539-8955 • (213) 585-7366 • 1-800-422-4750

Subject to shade variation  
01.232 E V/80 Printed in W. Germany

# STEEPING BATH

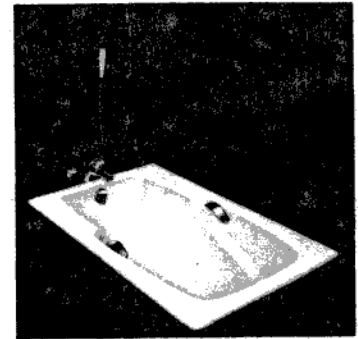
ACID RESISTING ENAMELED CAST IRON

- 20" deep – nearly 6½" deeper than most other bathtubs.
- Gently sloping back, integral back support and arm rest offer new bathing comfort.
- Available in most Kohler colors including accents.



STEEPING BATH K-790-S 5' x 36" x 20 3/8"

MASTER VINTAGE  
GIRLS BATH



K-790-S Steeping bath with Safeguard® bottom, tub installation kit, and K-9623 hand grip rails. Hand grip rails are available in four finishes — brushed or polished gold, brushed or polished chrome.

Size 60" x 36" (1524 x 915 mm) Height 20 3/8" (518 mm).

#### Fittings Illustrated

K-6926 Alterna Series deck mounted bath faucet with Valvet® valve units.

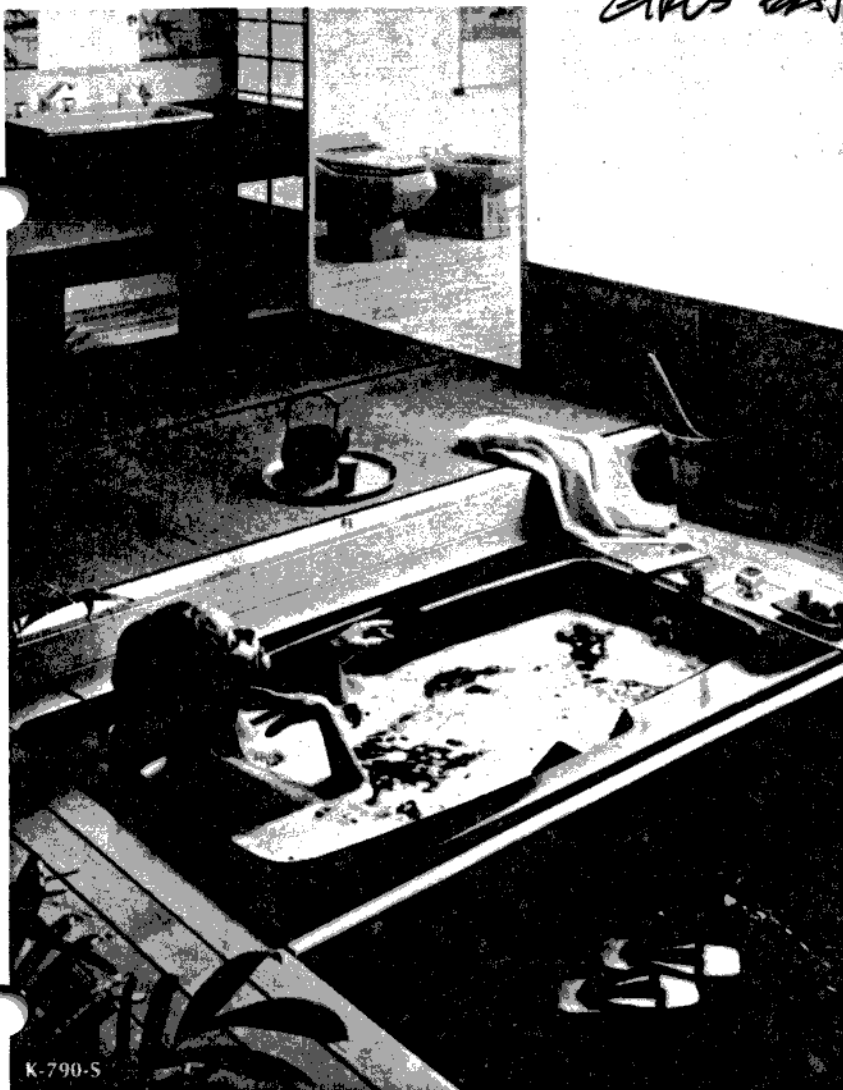
K-6942 Deck mounted diverter bath spout.

K-9650 Raindrop personal shower attachment with K-9664 wall elbow.

K-7167-R 1½" pop-up drain.

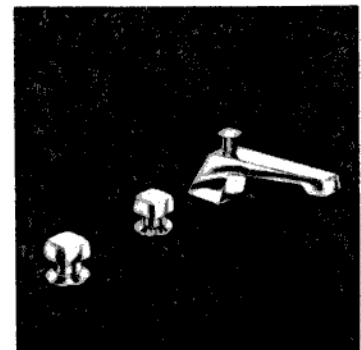
Steeping Bath is offered in a wide choice of colors. See Color Guide in Color Section.

For other bath faucets, see Faucet Section.



K-790-S

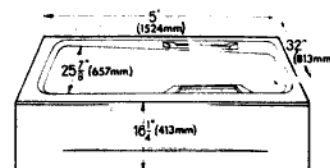
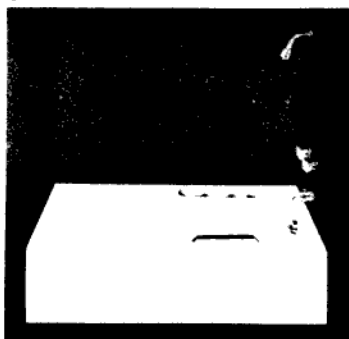
K-6926 ALTERNA Bath Faucet  
K-6942 ROMAN Spout



KOHLER

- Safety, comfort, handsome styling.
- Safeguard® bottom, safety grip handles.
- Comfortable 32" width, 16" depth.

GUARDIAN K-786-S



16 1/4 INCHES HIGH GUARDIAN K-785-S

**K-785-S** Guardian bathtub with Safeguard® bottom and K-9620 hand grip rails, outlet at left.

**K-786-S** Guardian bathtub with Safeguard bottom and K-9620 hand grip rails, outlet at right.

Hand grip rails available in four finishes — brushed or polished gold, brushed or polished chrome. **Specify finish when ordering.**

**Size** 5' (1524 mm). **Width** 32" (813 mm). **Height** 16 1/4" (413 mm).

**Fittings Illustrated** (at right).

**K-6908** Triton II Series Rite-Temp pressure balance bath and shower faucet.

**K-7150-R** 1 1/2" pop-up drain.

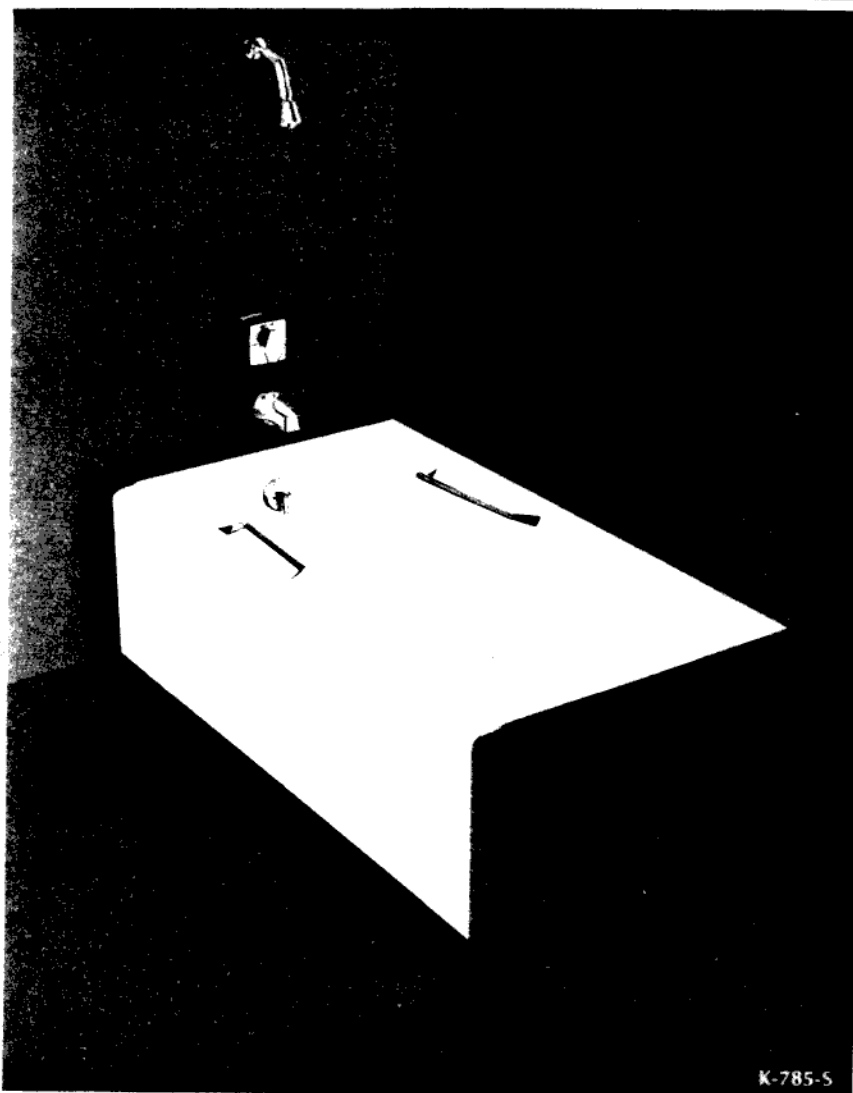
**Fittings illustrated** (above)

**K-7004-T** Triton II Series bath and shower faucet with Valvet® valve units.

**K-7150-R** 1 1/2" pop-up drain.

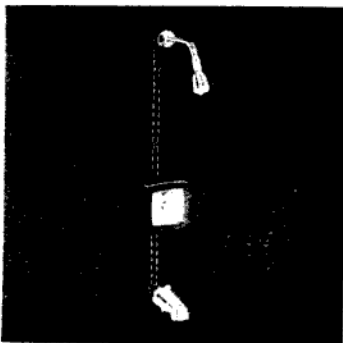
Guardian is available in a wide choice of Kohler colors. See Color Guide in Color Section.

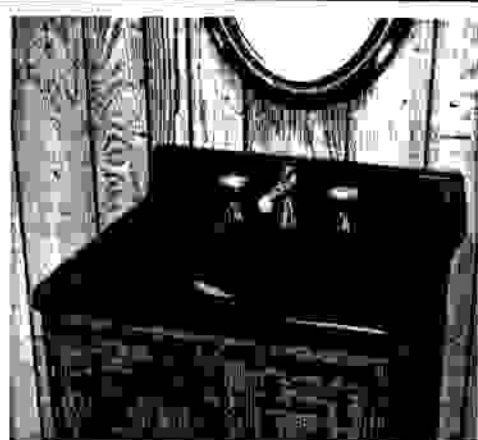
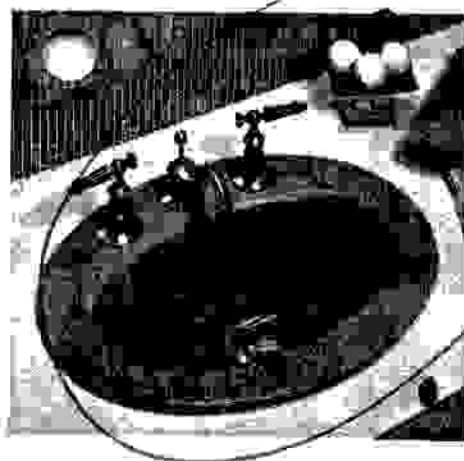
For other bath faucets, see Faucet Section.



K-785-S

K-6908 TRITON II





**PENNINGTON in Cherry Green.**  
Self-rimming vitreous china lavatory, 20 1/4" x 17 1/4" K-2196 with "Antique" Water-Guard faucet.

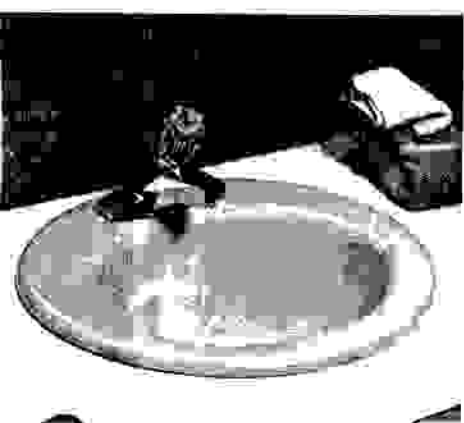
**CAXTON in Cerulean Blue.**  
Vitreous china lavatory for marble or tile countertop installations. 17" x 14" or 19" x 15" K-2210 with Bravura Water-Guard faucet.

**BROOKLINE in Fresh Green.**  
Round and right and just 19" in diameter. Self-rimming vitreous china. K-2201 with Flair Water-Guard faucet.

**BOUTIQUE in Mexican Sand.**  
Space-saving vitreous china lav. Only 13" front to back. Ideal for compact powder rooms. Self-rimming 21" x 13" K-2180 with Centura Water-Guard faucet.

**ROYALE in Espresso.** Easy installation on vanity cabinets. Durable vitreous china, 25" x 22" K-2252 with Water-Guard faucet.

**ROYALE in New Orleans Blue.** Gracious styling and easy installation. Durable vitreous china. Compact 19" x 17" K-2250 with Flair Water-Guard faucet.



**RALPH in Sunflower.** An enameled iron beauty that's just 19" in diameter. Self-rimming installation. K-2917 with Centura Water-Guard faucet.

**FARMINGTON in Antique Red.** Ideal for narrow countertops. 19 1/4" x 16 1/4" oval in enameled cast iron. Self-rimming design. K-2905 with Flair Water-Guard faucet.

**TAHOE in Blueberry.** A spacious enameled cast iron lavatory. 21" x 19" Self-rimming. K-2894 with Alterna Water-Guard faucet.

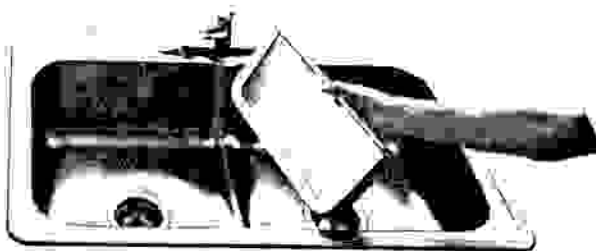
# NEW! COMBINATION DOUBLE/SINGLE SINK

VANDE / Charles Edwards copy  
(312) 867-6000 7/14/02 5/10P

It's a Double Sink...



Remove the divider...



Now, it's... the double/single sink, featuring two compartments for washing regular size dishes. The center insert lifts out to make a larger Single Bowl Sink, capable of handling oversized pots, platters and greasy broiler pans.

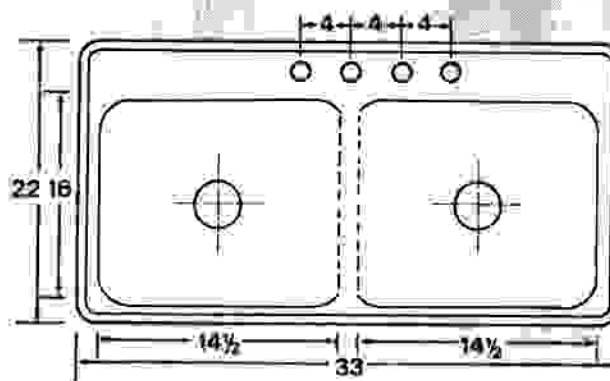


## HARWOOD SERIES

### HDS 2132

Double/Single Sink

Type 304 18-8 stainless steel  
Non-skid bowls 16" x 14 1/2"  
Single - 13 1/2" x 10 1/2"  
Bowl depth 7"

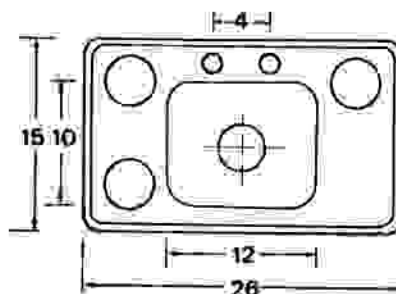


## HARWOOD SERIES

### HBS 1425

Bar Sink - Includes 3 each  
1 1/2 quart cups and a Maple  
Cutting Board (not shown)

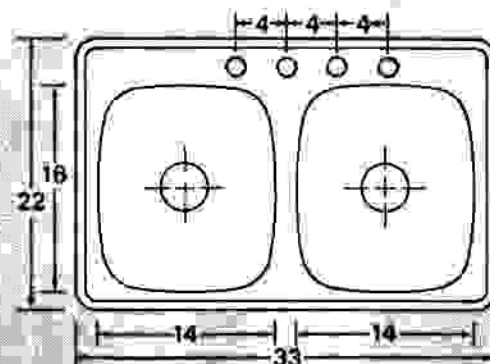
Type 304 18-8 stainless steel  
64 1/2" length  
Sink width 15"



## CENTENNIAL SERIES CHAU 2132

### Double Bowl-Ledge Back

Type 302 18-8 stainless steel  
Satin finish  
Bowl depth 6 1/4"

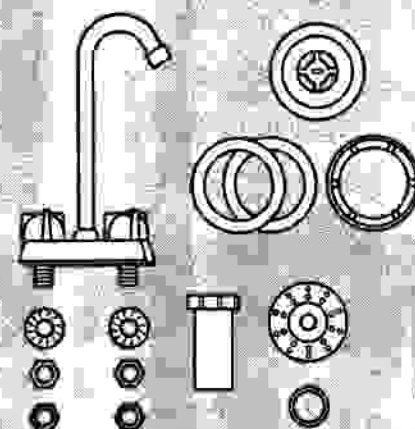
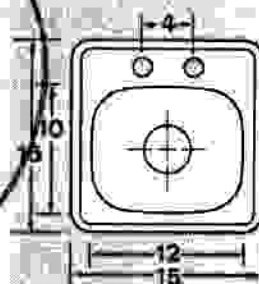


## VANCE HOSPITALITY PACKAGE

### VHP 1414

#### Bar Sink-Complete with Goose-Neck Faucet and Strainer

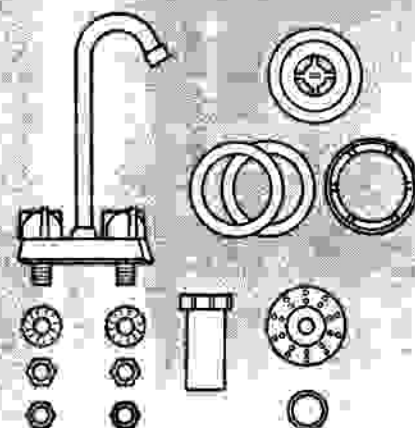
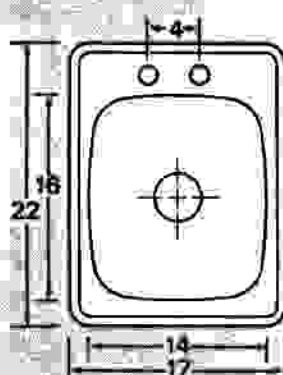
Bowl depth 6 1/4"



### VHP 1621

#### Large Bar Sink-Complete with Goose-Neck Faucet and Strainer

Mount for 18 or 20 inch  
or 24 inch wide  
Bowl depth 6 1/4"



## HC-14 MAPLE "HANDI-KUT" BOARD



Sets in sink for food preparation—Cut out for waste disposal  
SIZE 14"x16"

Fits Vance Sink Models:

SAU 2132  
HAUD 2132  
CHAU 2132  
HAU 1621  
VHP 1621

IN SHRINKPAC FOR P.O.S. IMPACT

## BS-250 BASKET STRAINER with TAIL PIECE



Deep heavy gauge stainless steel basket

Strainer body made of heavy gauge stainless steel. Rim is an integral part of body and will not detach.

Heavy rubber locking washer  
Friction washer

Large locknut engineered and designed for perfect mating on installation

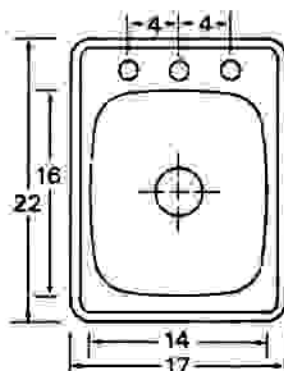
Tailpiece washer  
Slip nut



## HARWOOD SERIES

### Single Bowl-Ledge Back

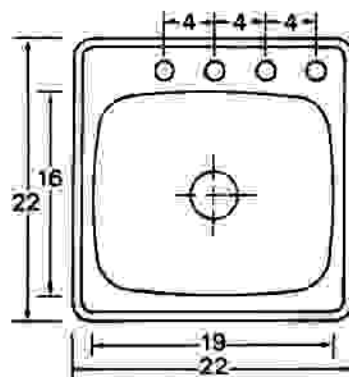
20 Gauge type 302 18-8 stainless steel  
Satin finish  
Bowl depth 6½"



## HARWOOD SERIES

### Single Bowl-Ledge Back

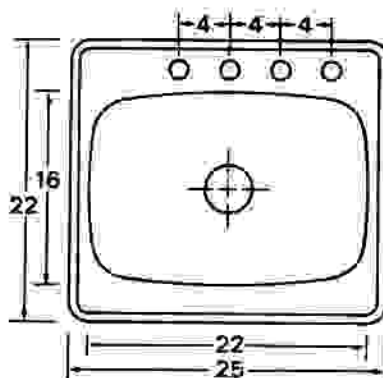
20 Gauge type 302 18-8 stainless steel  
Satin finish  
Bowl depth 6½"  
4-hole faucet punch only



## HARWOOD SERIES

### Single Bowl-Ledge Back

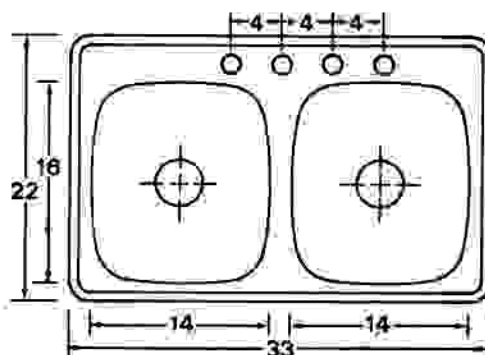
20 Gauge type 302 18-8 stainless steel  
Satin finish  
Hand polished bowl  
Bowl depth 7"  
New, improved sound deadening pad



## HARWOOD SERIES

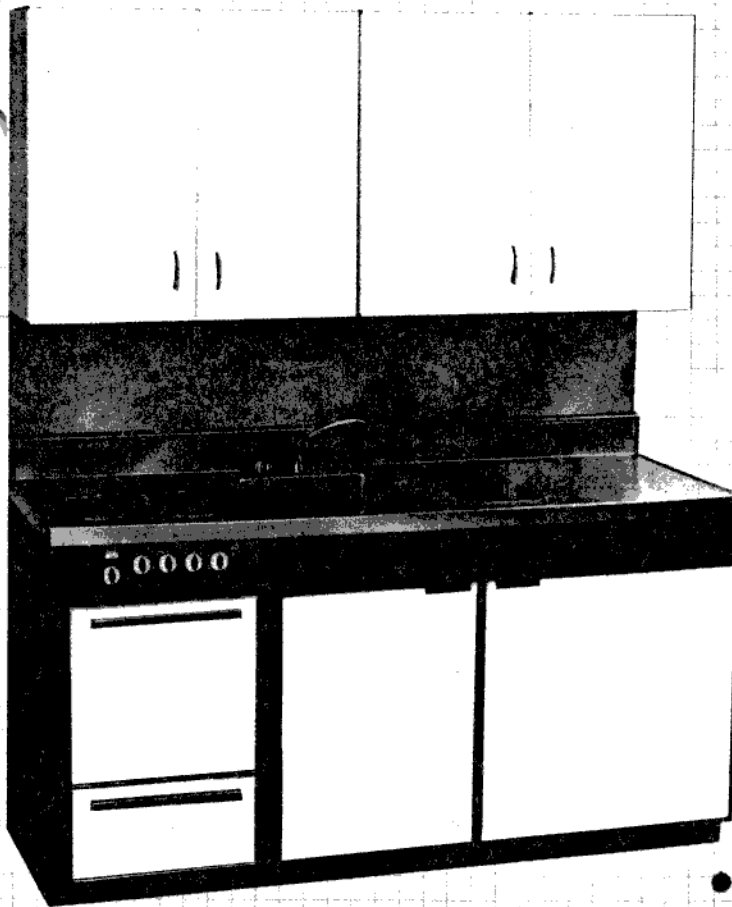
### Double Bowl-Ledge Back

20 Gauge type 302 18-8 stainless steel  
Satin finish  
Hand polished bowls  
New, improved sound deadening pad  
Bowl depth 7"



# ACME 69/72 SERIES

## SPECIFICATIONS — ALL MODELS



69" Model ROE9Y-69 with optional wall shield and wall cabinet

### ELECTRIC REFRIGERATOR

69"-72" models have a net capacity of 7.8 cu. ft. • All models include the following: • 25 lb. freezer with two ice trays • Magnetic gasket • 100% poured-in-place polyurethane insulation • Interior light • Full height inner door storage • Chiller tray • Cushion-mounted, self-oiling compressor accessible from the front of kitchen for easy service • Operates on 115V, 50/60 cycle, A.C. • Factory pre-wired to terminal box

### ELECTRIC RANGE & OVEN (ROE9Y Models)

Four 1250 watt top burners • Infinite heat selector switches • Removable pans for easy cleaning • Plug-in type top burners • Signal light for range and oven • Automatic oven heat control • Oven gasket • Separate bake or broil with 2000 watt bake and 2500 watt broil • Full size 16"Wx19"Dx15½"H oven • Utensil drawer under oven • Range & Oven operate on 115/208-230V, 3 wire single phase A.C. • Range & oven load on 115/230V is 7.5KW • Range & oven load on 115/208V is 6.7KW

### GAS RANGE & OVEN (ROG9Y Models)

Four aluminum head top burners • Low flame setting • Automatic lighting • Pressure regulator • Thermostatic oven control • Oven gasket • Broiler located under oven • Full size 16"Wx19"Dx15½"H oven • Range & oven adaptable for natural, mixed, manufactured or L.P. gases

### COUNTERTOP AND SINK

20 ga. prime grade stainless steel • Satin finish • Corrugated drainboard • 4" high integral backsplash • 15"x18"x6" sink bowl, the largest in the industry, includes 8" chrome plated faucet and stainless steel strainer

### BASE STORAGE CABINET

Convenient dry storage and easy access to compressor and plumbing • Plastic inner door liner with two removable plastic silverware trays

### LIMITED WARRANTY

One year replacement for all parts against manufacturing defects including labor charges • Warranty conditional only upon proper installation and operation

### ELECTRICAL DATA

All models have electrical terminal box located in base cabinet • Total connected load for ROG9Y models is .165KW • Total connected load for ROE9Y models operating on 115/230V is 7.66KW • Total connected load for ROE9Y models operating on 115/208V is 6.87KW

### LEFT HAND MODELS (Not illustrated)

On 69"-72" models the left hand unit has the range on the right and the refrigerator on the left with the sink remaining in the center

### MATERIALS & COLORS

Range control panel and cabinet body is black textured vinyl-clad steel • Refrigerator interior is ABS with easy to clean rounded corners • Oven interior and exterior parts are porcelain enamel • Other surfaces are acrylic enamel on prime bonderized cold rolled steel • Standard stock colors White, Almond and Walnut. Harvest Gold, Ebony Black and Brushed Stainless Steel fronts available upon special request • See price list for color charges.

### SPECIFY REFRIGERATOR LOCATION WHEN ORDERING

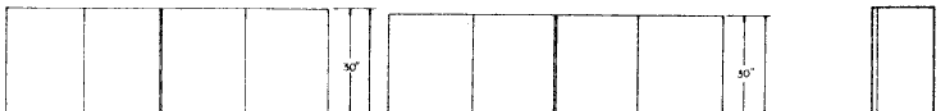
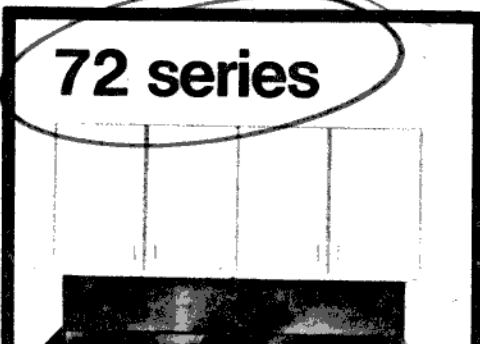
As we constantly strive to improve our products, specifications are subject to change without notice.

## 69 series

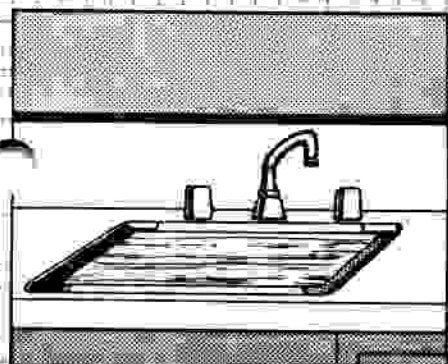
MODEL	WIDTH	RANGE	COUNTERTOP
ROE9Y-69	69"	Electric	Standard
ROE9Y-72	72"	Electric	Recessed
ROG9Y-69	69"	Gas	Standard
ROG9Y-72	72"	Gas	Recessed

ALL MODELS ARE LISTED WITH U.L. AND IN ADDITION ROG9Y MODELS ARE LISTED WITH A.G.A.

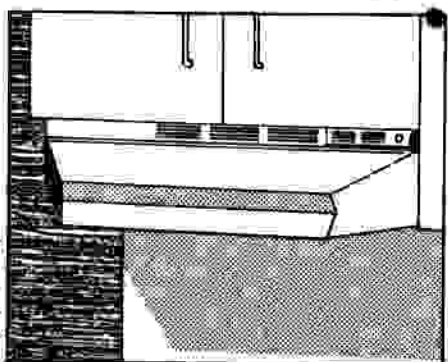
## 72 series



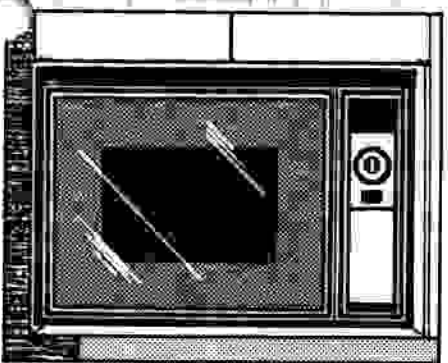
# and Modifications



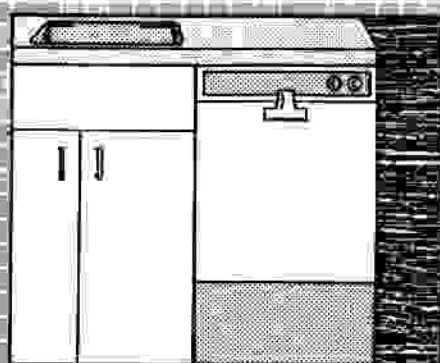
**3. Sink Cutting Board** made of hard wood, stores easily in the base storage cabinet when not in use.



**7. Ductless Range Hood** is 24" wide and available in stainless steel. Features include: 2 speed fan, built-in light, activated charcoal filter, and removable aluminum mesh grease filter. The 115V range hood requires a separate connection from base section.



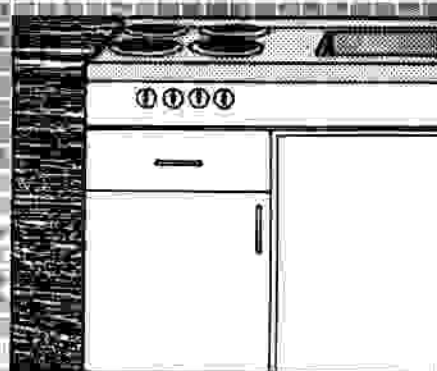
**11. Microwave Oven**—Available for all models and installs in a special 24" wide wall cabinet. Operates on 12 AMP, 115V and 60 Hz and plugs into standard electrical outlet. Features include: 15 minute timer, 600 watts output, interior cook light, one year warranty for parts and labor and additional year on magnetron tube. Certified to comply with Department of Health, Education and Welfare safety standards. Federal Communications Commission type approved.



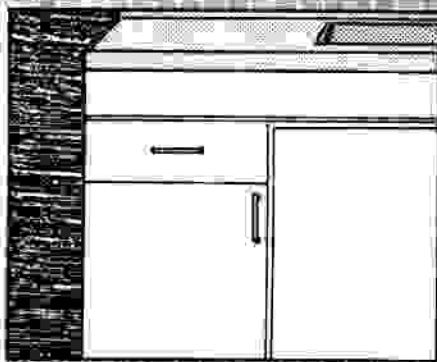
**Modification 3—Dishwasher**—A 18" wide dishwasher is available for 84" and 87" wide models and a 24" wide model for 93" and 96" models which are shown on page 11. The dishwasher is installed to the right of the sink and requires separate plumbing and electrical connections.

**Special Wheelchair Kitchens**—Kitchens for use with wheelchairs. Most Asma series are adaptable for use by wheelchair occupants. The area under the sink is opened to accommodate a wheelchair and special storage cabinetry is provided. These models meet federal specifications. A detailed product file is available for these special kitchens. Please contact your local representative or the factory for details.

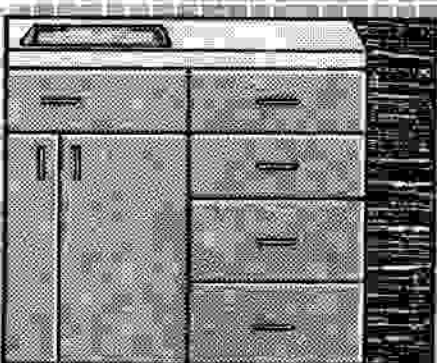
**SPECIAL VOLTAGES AVAILABLE FOR EXPORT ORDERS**



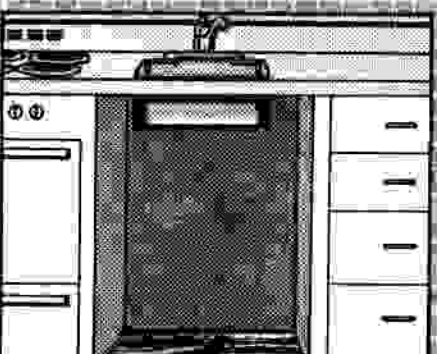
**Modification 1—Cabinet Replacing Electric Oven**—A storage cabinet with one drawer and one shelf replaces the electric oven with the four top burners remaining. This modification is not available for models with gas ovens.



**Modification 2A—Cabinet Replacing Oven and Top Burners Eliminated.** This modification would apply for both electric and gas models.



**Modification 4—Stainless Steel Fronts**—Available for all models. The type 304 stainless steel has a satin finish to match the countertop and sink.



# Waste King Disposers

Waste King Disposers are backed by the strongest warranty in the industry. Waste King engineering advances have provided features which have set performance standards for the industry. Patented swivel impellers that are jam resistant; rubber hush cushions that reduce noise; highly efficient and durable grinding components including stainless steel turntable and cast tool steel grind ring, and quick mounting assemblies are important features found in all of the models shown below.



## MODEL SS8000

The finest Waste King Disposer. ¾ h.p.\* Extra heavy duty operating parts.



## MODEL SS5000\*\*

½ h.p.\* Same as Model 4000 plus stainless steel grind chamber and fully jacketed with fiberglass sound insulation.



## MODEL 4000

Large capacity. ½ h.p.\* Surgical steel fiber-cutter blade. Operating parts are corrosion resistant.



## MODEL 2800

½ h.p.\* Same as Model 2600 plus fully jacketed with fiberglass insulation for noise re-

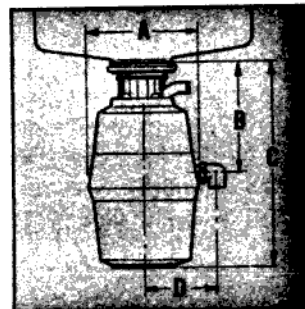


## MODEL 2600\*\*\*

½ h.p.\* Quick mount installation. File-hard cast tool steel grind ring. Jam resistant swiv-

**Installation specifications:** For all-purpose home and apartment installations, kitchen modernization and new construction. All Waste King Disposer models fit any type of sink having a 3½" drain opening.

**Electrical connection** from the outlet plug to the terminal box of the unit should be made with 120 volt AC Underwriters' approved wire. A toggle switch may be located on the wall within easy reach or inside sink cabinet. Plumbing and wiring must conform to local codes. The disposer can be used with septic tank or cesspools. (Detailed information will be furnished on request.)



## DIMENSIONS

Model	A	B	C	D
SS8000	8½"	9½"	16½"	6½"
SS5000	8½"	8½"	15"	6½"
4000	7¾"	8½"	15"	6"
2800	7½"	7¼"	14"	5½"
2600	6½"	7¼"	14"	5½"

\*Dimensions shown are maximum. Reduce dimension shown by sink thickness to achieve proper rough-in dimensions.

SPECIFICATIONS:	SS8000	SS5000	4000	2800	2600
Ship Weight (Lbs.)	22	21	18	17	15
Net Weight (Lbs.)	21	20	17	15	14
H.P.*	¾	½	½	½	½
RPM	1725	1725	1725	1725	1725
Hertz	60	60	60	60	60
Volts	115	115	115	115	115
Current Rating (Amps.)	8.3	6.2	6.2	6.2	6.2

\*Peak load power grinding capacity.

Manual re-set (overload protection) built into motor. All models have permanently lubricated bearings. 15 amp separate branch circuit line is recommended. Installation must comply with local codes.

## WARRANTY

**Strongest Warranty in the Industry.**

FULL ONE YEAR warranty on all models plus EXTENDED LIMITED warranty on SS Models for 4 ADDITIONAL YEARS on all parts and 19 ADDITIONAL YEARS against failure due to corrosion on the following parts: turntable assembly, grind ring, drain elbow, sink flange, drain flow chamber and grind chamber.

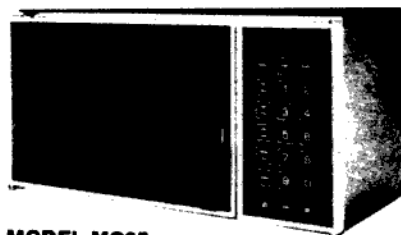
Model 4000 has FULL ONE YEAR warranty plus 2 ADDITIONAL YEARS LIMITED warranty on all parts and 19 YEARS against failure due to corrosion on the turntable assembly, grind ring, drain elbow, sink flange, and drain

# Single Thermatronic™ Microwave Ovens

## PORTABLE MICROWAVE OVENS

### MODEL MC25

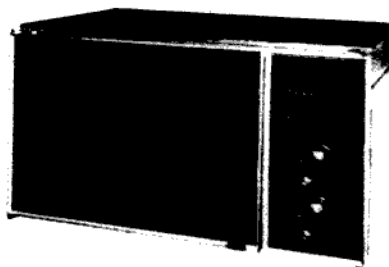
Computerized microwave cooking with touch control memory panel. Four power levels — High, Medium, Low, Warm — and ability to do four functions in sequence. Cook by time or cook by temperature with the Temp-Matic™ Probe. Includes the special features offered on all Thermatronic™ microwave ovens: Stay Hot Control™, Browner Element, adjustable Thermaglas™ Shelf, and Stainless Steel interior. (Built-in unit available June 1979, Model MTR125, or build in portable model by utilizing the Cabinet Mounting Kit, Model KIT-1.)



MODEL MC25

### MODEL MC19

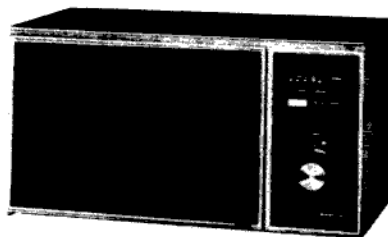
Three power levels — Low, Medium, and High — with push button controls. Cook by time or use Temp-Matic™ Probe to cook roasts, casseroles or other foods by temperature. Patented Stay Hot Control™, Browner Element, adjustable Thermaglas™ Shelf, and Stainless Steel interior.



MODEL MC19

### MODEL MC17

Same features as the MC19 with the exception of the Temp-Matic Probe. MC17C is certified by CSA for Canadian distribution. (Built-in unit available June 1979, Model MTR117.)



MODEL MC17

**Note:** MTR125 and MTR117 (available June 1979) have a special design which permits a built-in installation or mounting below a cabinet. This design has front venting with no special ducting required. To install a portable model (MC25, MC19 or MC17) in a cabinet or wall, order KIT-1 Cabinet Mounting Kit.

**SPECIFICATIONS.** For planning guide only. For complete installation instructions write and indicate model numbers.

MODEL NO.	VOLTS	CIRCUIT REQ.	WATTS OUTPUT				BROWNER ELEMENT	STAY HOT CONTROL	TEMP-MATIC PROBE	MEMORY	OVERALL DIMENSIONS			USABLE INTERIOR OVEN DIMENSIONS			OVERALL HEIGHT OF MICROWAVE OVEN WITH KIT-1†	APPROX. SHIP. WT.
			HIGH	MED	LOW	WARM					H*	W	D**	H+	W	D		
MC25	120	15 Amps	675	472	270	67	YES	YES	YES	YES	12½"	23½"	14½"	7"	16"	12½"	13½" Min.	69 lbs.
MC19	120	15 Amps	675	485	320		YES	YES	YES	NO	12½"	23½"	14½"	7"	16"	12½"	13½" Min.	73 lbs.
MC17	120	15 Amps	675	485	320		YES	YES	NO	NO	12½"	23½"	14½"	7"	16"	12½"	13½" Min.	70 lbs.

MC25, MC19, MC17 — 2 Wire, 60 Hz., Single Phase  
MTR125, MTR117 — 120 Volts, 2 Wire, 60 Hz., Single Phase. Overall Dimensions: 13½" h x 23½" w x 14½" d.  
6 ft. cord and 15 amp plug included with MC25, MC19 and MC17.

\*Includes Feet

\*\*Including cord and door closed

†To bottom of Browner Element

‡KIT-1 Cabinet Mounting Kit adapts MC25, MC19 and MC17 for optional installation in cabinet. Supplied with MTR125 and MTR117.





## THE FILTEX ELECTRIC CAN OPENER GIVES YOU BUILT-IN CONVENIENCE.

One of the most precious commodities in your kitchen is your counter space.

We understand your needs, so we won't ask you to give up any counter space. Our Can Opener installs in a wall or cabinet.

The contemporary stainless steel or black acrylic styling will complement just about every kitchen decor. Plus, you can customize the face plate with your own wallpaper, paint, or fabric.

### EASY OPERATION

The Filtex Can Opener features a single-lever operation: can is held in place, pierced, lid is cut free, cutting operation stops automatically, can and lid are held in place. You remove the can and lid when you're ready.

Cutting wheel is spring-loaded and made of a special heat-treated steel. The Filtex Can Opener is safe to operate because the cutting wheel operates only when a can is in place.

### EASY CLEANING

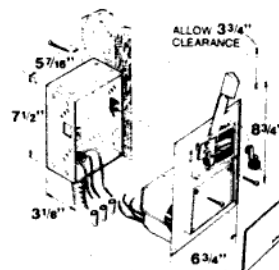
"Click 'n Clean"<sup>™</sup> design allows the cutting assembly to be removed easily for simple clean up.

### EASY INSTALLATION

### SPECIFICATIONS

Model No.	FCO-1
Mechanism	Rugged, high torque motor, 120 volts, AC, 60 Hz.
Circuit Required	15 Amps
Cutting Blade	Heat treated tool steel
Mounting Hole	5-7/16" W x 7-1/2" H x 3-1/8" D
Cover Size	6-3/4" W x 8-3/4" H
Weight	7 lbs
Warranty	One Year Warranty (for detailed warranty see your dealer for complete information)

We reserve the right to change design and/or specifications without incurring any obligations.



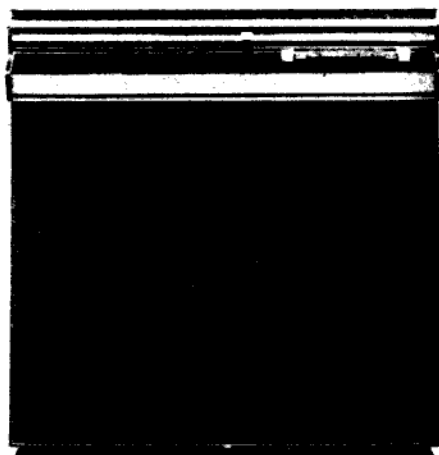
**Filtex**<sup>®</sup>

A Leading Manufacturer of Built-in Home Appliances: Central Vacuum Cleaning Systems, Can Opener, REDYHOT<sup>®</sup> Hot Water Dispenser, Bathroom Scale and Intercom Systems.

A DIVISION OF NATTER MANUFACTURING CO.  
9440 Gidley Street • Temple City, California 91780  
Phone: 213/443-4171, Toll Free: in Calif. 800/242-4327,



# The Steam Machine™ Two Dishwashers with the Steam Cycle



## MODEL TD121

Electronic Delay Start Timer  
Steam Clean  
6 Cycles: Full Cycle, Rinse & Hold, Steam  
Cycle, Sani-Heat, Short Cycle & Energy Saver  
Cancel & Drain Button  
Dual Wash Arms  
Unique Flexbasket  
Double Sound Insulation



## MODEL TD51

Steam Clean  
4 Cycles: Full Cycle, Rinse & Hold, Steam  
Cycle & Energy Saver  
Dual Wash Arms  
Unique Flexbasket  
Double Sound Insulation

**New Steam Cycle.** Thermador stainless steel dishwashers can now give your dishes a steam bath. For more effective cleaning, the Thermador dishwashers have a steam cycle that bathes your dishes in a gentle steam mist.

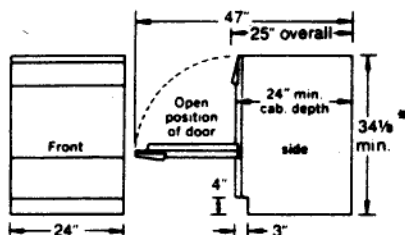
**Electronic Delay Start (Model TD121 only).** With the push of a button you can delay operation of your TD121 for up to 9 hours after loading. Wash your dishes during off-peak electrical hours, while you sleep, or while you're away from home.

### Other features of both Thermador dishwashers:

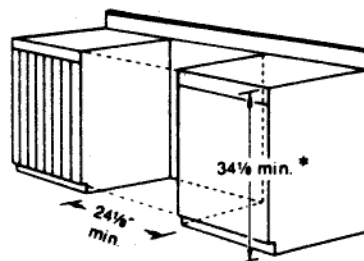
- Removable dividers in upper Flexbasket for easy loading.
- Stainless steel tank.
- Fiberglass blanket for sound insulation plus Hush Coat™ acoustical spray.
- Best Warranty in the industry.

### Strongest Warranty

Thermador dishwashers will be under warranty for 20 years (1 year full, 19 years limited, parts only: all stainless steel components — tank, inner door, wash arms, wash tower, and basket rails). In addition, many other important parts have a 5 year warranty (1 year full, 4 years limited, parts only: motor, primary timer, pump, heater, push button switches, and water distribution system). The entire dishwasher has a one year full warranty. See our complete warranty for all the details.



DIMENSIONS UNDERCOUNTER  
MODEL



TYPICAL DISHWASHER  
OPENING DIMENSIONS

\*can be adjusted from 34-1/8" min. to 34 1/2" max.



### SPECIFICATIONS

DESCRIPTION		MODEL TD51	MODEL TD121
Elect. (120V, 60 cycl.)	Motor Load (Amps)	7	7
	Total Other Load (Amps)	15	15
	Maximum Load (Amps)	15	15
Heater Element	Dry Rating (Watts)	700	700
	Wet Rating (Watts)	1600	1600
Motor	RPM	3450	3450
	Frequency	60 cycl.	60 cycl.
Water	Pressure	single	single
	Pressure Requirements (PSI)*	15	15
Approx. Shipping Weight	Undercounter (lbs.)	110	112

\*Dynamic Pressure with water running at the sink adjacent to dishwasher.

Dishwasher door panels are ordered separately and are available in Stainless Steel, Black Glass or enamel colors: White, Almond, Fresh Avocado, Coffee or Golden Wheat. Also available is 1/2" wood panel Trim Kit for matching cabinets. Wood panel dimensions are: Upper panel size: 19 1/8" H x 23 3/4" W. Lower panel size: 5 1/8" H x 23 3/4" W.

# Thermador Trash Compactor Model TMC 26

*Here's a real help for the family trash problem.  
Compacts trash into a convenient 24 lb. bag.*

The versatile Thermador Compactor incorporates many features not found in other brands.

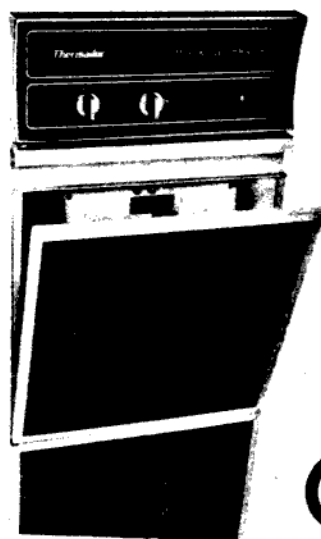
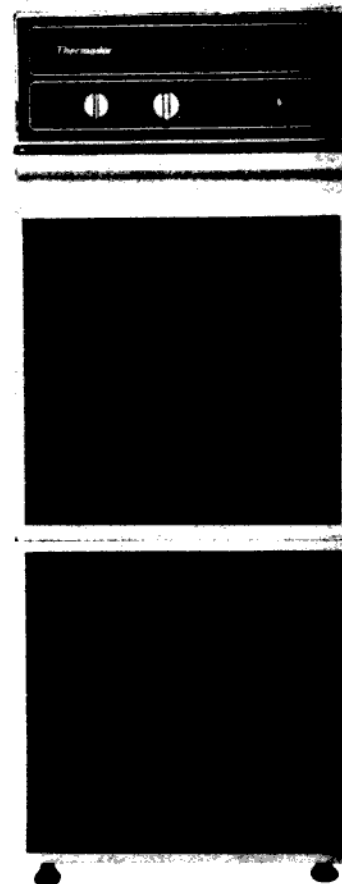
The same compactor may be used as a freestanding unit, end-of-counter, or built-in appliance. Readily reversible door hinges permit easy conversion to left or right hand mounting.

**These are the features that will make it work for you:**

- Requires only 12" wide space.
- Exclusive Bag-Full light (patented).
- Built-in chute permits loading of most items without opening main door. Full door swings open for larger items.
- Exclusive twin vertical screw scissor jack mechanism (patented).
- Same model is freestanding or built-in.
- Reversible door hinges permit left or right hand mounting.
- Changeable door panels (See Accessories below).
- Adjustable legs and standard toe space.
- Custom controlled deodorizer.
- Quiet operation — 60-second cycle.
- Trash container with handy strap for carrying bucket to disposal area for emptying — prevents spillage and protects against sharp objects.
- Patented design of trash container minimizes bags from tearing during the compaction process.
- Key switch operation.
- Easy access to control mechanism for servicing.

## Accessories

Compactor door front panel comes with black baked enamel finish; top, sides and back are finished in neutral Almond. Available as an accessory in a choice of other door panel finishes: Appliance colors (White, Almond, Fresh Avocado, Coffee, Golden Wheat), Glossy Black Acrylic, or Stainless Steel. Door panels are easily removed for installation of custom wood panels supplied by customer. If the compactor is freestanding, a useful accessory hardwood chopping block top in maple and walnut design is available.



Wood panels for door shown supplied by customer.



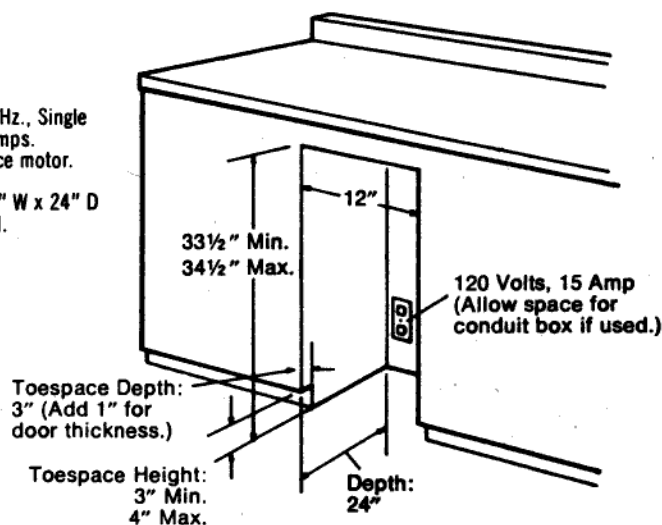
## SPECIFICATIONS

Model: TMC26

Motor: 1/2 HP, 120 volts, 2 wire, 60 Hz., Single Phase, circuit required 15 amps.  
1725 RPM standard appliance motor.

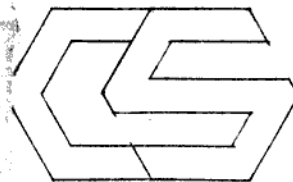
Ship. Wt.: approx. 150 lbs.

Recommended Cabinet Opening: 12" W x 24" D  
x 33 1/2" Min. — 34 1/2" Max. H.





LEILA VON  
ACCOUNT EXECUTIVE



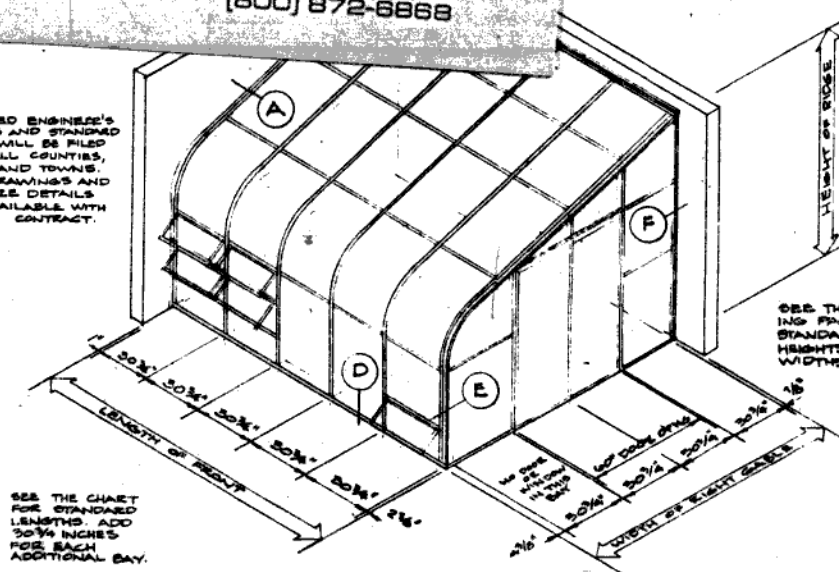
# Architectural Details

California Solarlums

11972 Wilshire Blvd.  
Los Angeles 90025  
(213) 479-7733  
(800) 872-8868

MANY CUSTOM DESIGNS  
AND SERVICES ARE  
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WITH ALL COUNTIES,  
CITIES AND TOWNS.  
SHOP DRAWINGS AND  
FULL SIZE DETAILS  
ARE AVAILABLE WITH  
SIGNED CONTRACT.



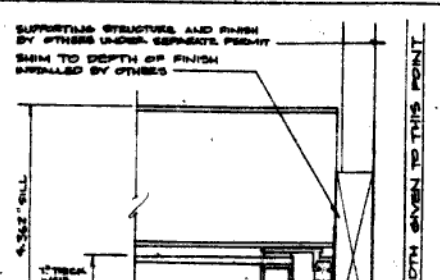
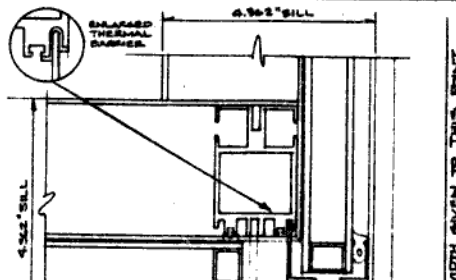
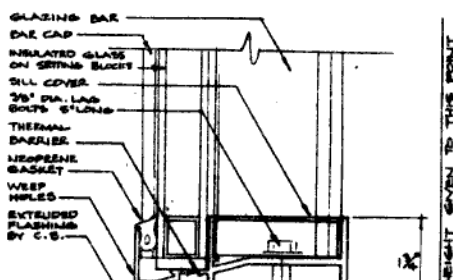
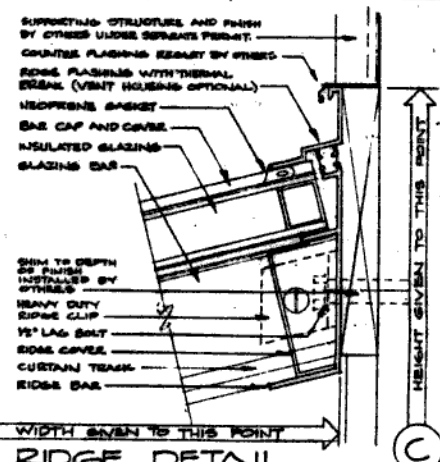
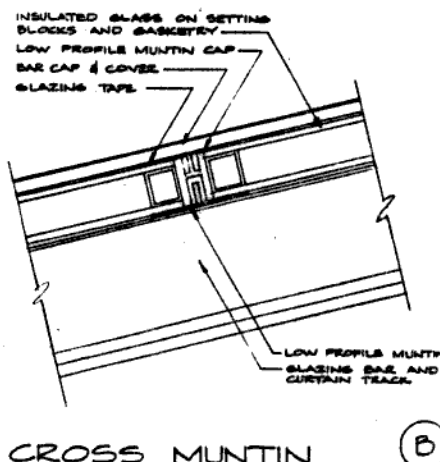
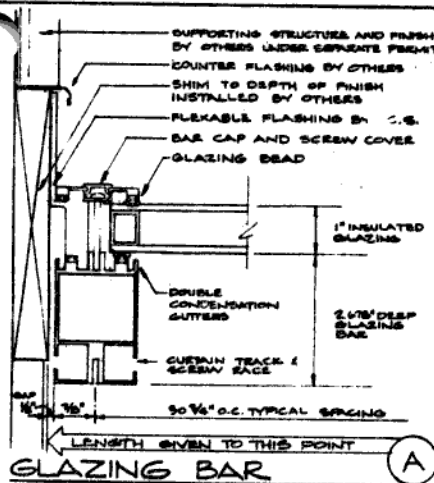
SEE THE CHART  
FOR STANDARD  
LENGTHS. ADD  
3/8" INCHES  
FOR EACH  
ADDITIONAL BAY.

SEE THE FOLLOW-  
ING FRAMES FOR  
STANDARD MODEL  
HEIGHTS AND  
WIDTHS.

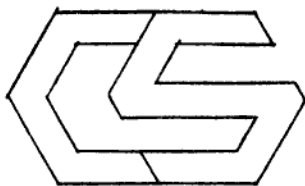
1/4"	LENGTH OF FRONT		
NUMBER OF BAYS	STANDARD UNIT WITH TWO GABLE ENDS	STANDARD UNIT WITH ONE GABLE END	STANDARD UNIT WITH NO GABLE ENDS
1	2'-11 1/2"	2'-10 3/8"	2'-8 3/4"
2	5'-6 1/4"	5'-4 7/8"	5'-5 1/2"
3	8'-1"	7'-11 3/8"	7'-10 1/8"
4	10'-7 3/4"	10'-5 1/8"	10'-5"
5	13'-2 1/4"	13'-0 3/8"	12'-11 3/4"
6	15'-9 1/4"	15'-7 3/8"	15'-6 1/4"
7	18'-4"	18'-2 3/8"	18'-1 1/8"
8	20'-10 3/4"	20'-9 3/8"	20'-8"
9	23'-5 1/4"	23'-4 3/8"	23'-2 3/4"
10	26'-0 1/4"	25'-10 3/8"	25'-9 1/2"
11	28'-7"	28'-5 3/8"	28'-4 1/4"
12	31'-1 3/4"	31'-0 3/8"	30'-11"
13	33'-8 1/2"	33'-7 1/8"	33'-5 3/4"
14	36'-3 1/4"	36'-1 3/8"	36'-0 1/4"
15	38'-10"	38'-8 3/8"	38'-7 1/4"
16	41'-4 3/4"	41'-3 3/8"	41'-2"
17	43'-11 1/2"	43'-10 3/8"	43'-8 3/4"
18	46'-6 1/4"	46'-4 3/8"	46'-5 1/4"
19	49'-1"	48'-11 3/8"	48'-10 1/8"
20	51'-7 3/4"	51'-6 3/8"	51'-5"

## ISOMETRIC VIEW OF TYPICAL UNIT

SCALE FOR DETAILS BELOW IS ONE-FOURTH ACTUAL SIZE: 3"=1'-0"

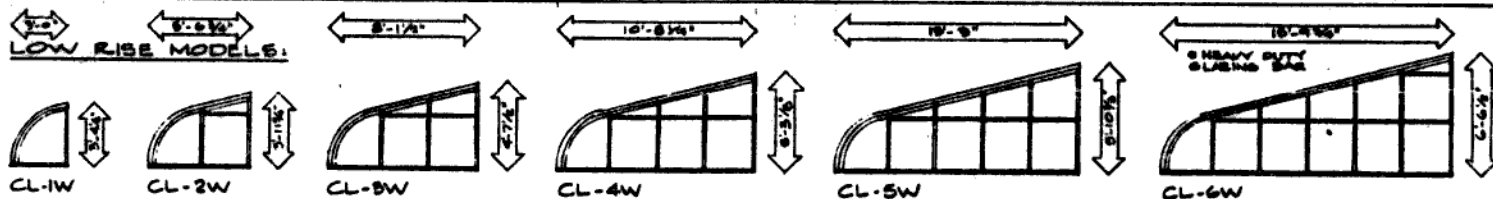


# CALIFORNIA SOLARIUMS

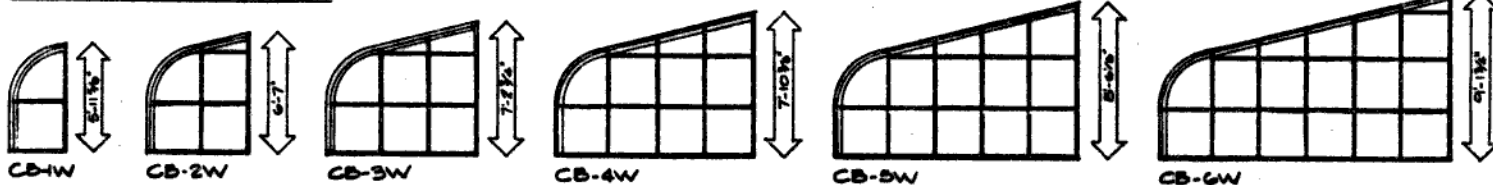


## Standard Sizes Curved Models

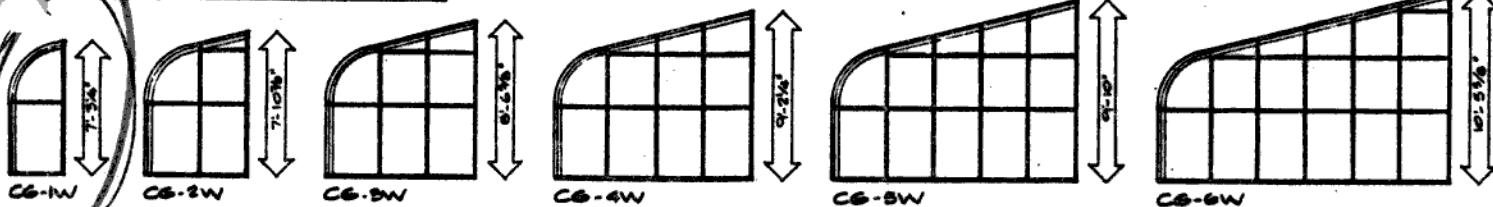
### LOW RISE MODELS:



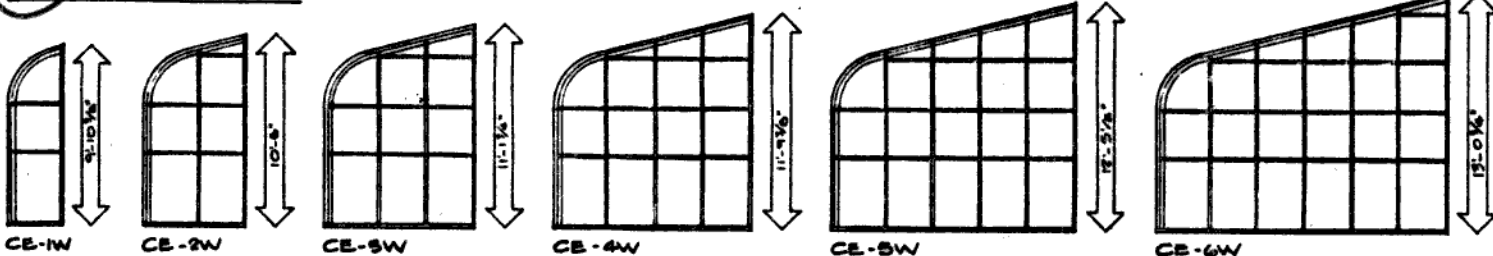
### BASE WALL MODELS:



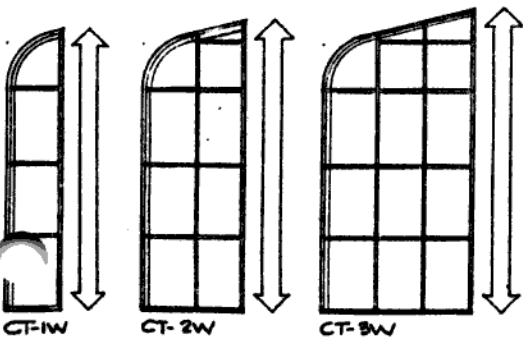
### ADD TO GROUND MODELS:



### EXTRA HIGH MODELS:

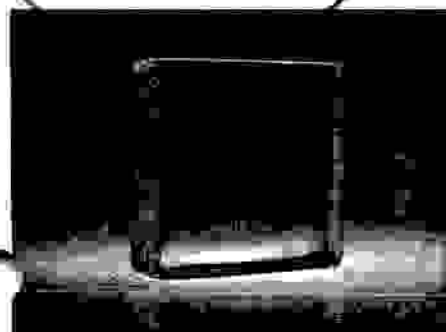


### TWO STORY MODELS:





## **VISTABRIK® Solid Glass Block**

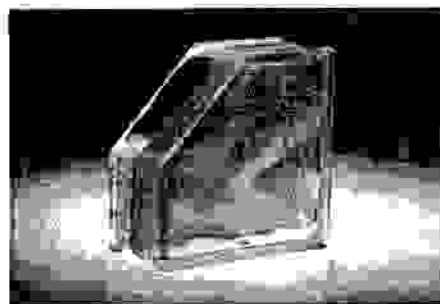


VISTABRIK® Glass Block are virtually indestructible... In tests where a 30.06 rifle was fired at a panel from 25 feet, the bullets were unable to penetrate the glass. They offer the maximum protection from vandalism and forcible entry.

VISTABRIK® Solid Glass Block offer excellent light transmission, good visibility and provide high impact strength. They lower sound transmission dramatically, too. VISTABRIK® Solid Glass Block may be used as pavers and as covers for light fixtures recessed in floors. Available in 8 × 8-inch squares, 3" thick.

*Metro Police Station No. 2, Toronto,  
Ontario, Canada  
Architect: Shore Tilbe Henschel Irwin  
VISTABRIK® Solid Glass Block*

## **Fibrous Glass Inserts**



DECORA™ and ESSEX™ Type A Glass Block are available with an "LX" fibrous glass insert which controls light transmission, glare, brightness and solar heat gain. It also increases thermal resistance. Both Glass Block patterns are stocked with and without the "LX" inserts. Inserts not available in the THINLINE SERIES.

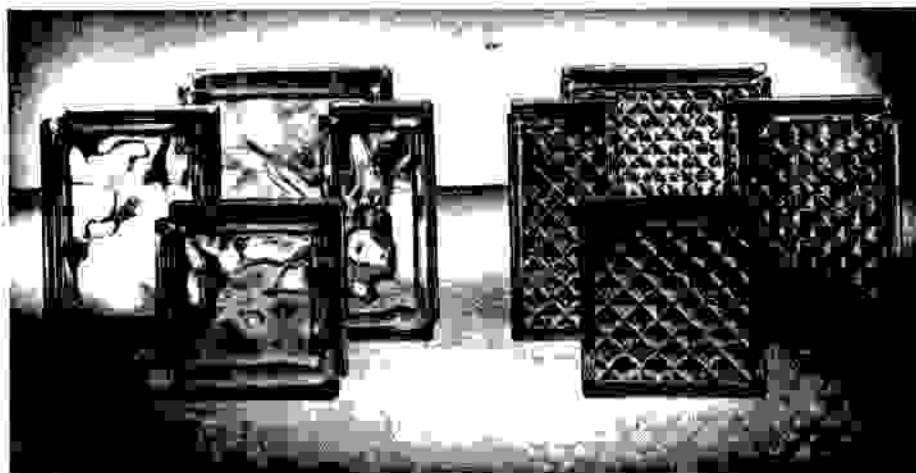


## **THINLINE SERIES Glass Block**

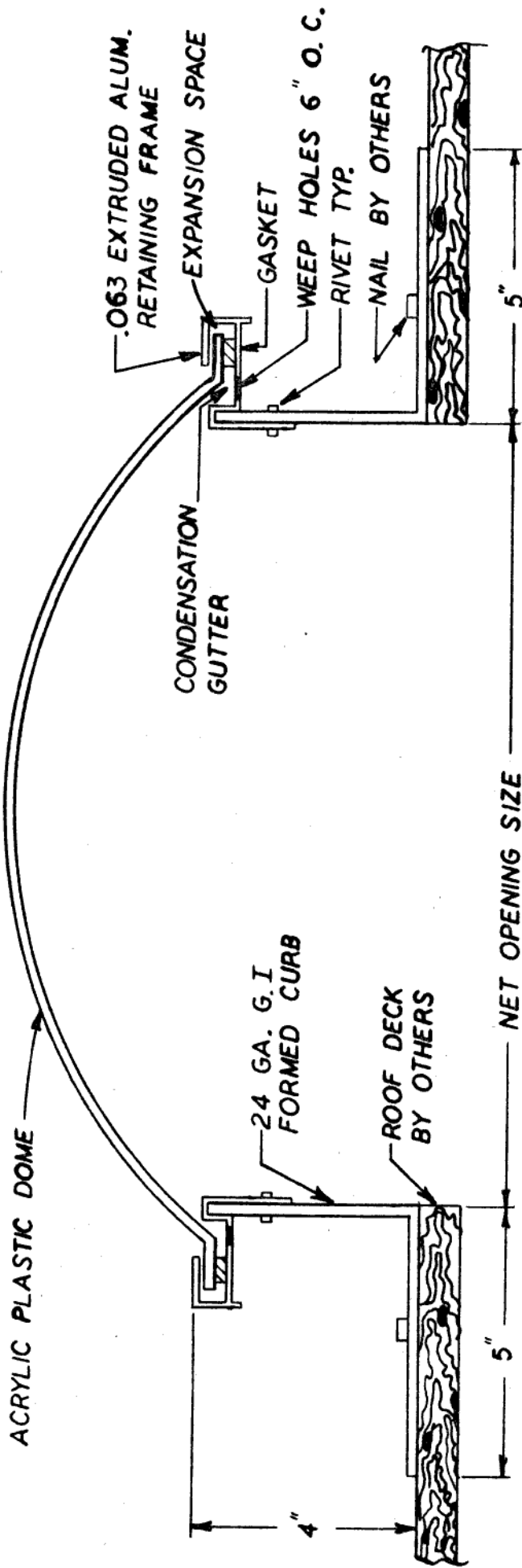
This series of 3 1/8-inch thick Glass Block offers all of the light transmission and insulation value of the standard blocks with the additional advantage of 20% less weight. These lighter weight Glass Block are excellent for interior applications. The sound transmission loss is slightly less with the THINLINE

SERIES. The THINLINE SERIES Glass Block are available in the DECORA™ and DELPHI™ patterns. The DECORA™ Glass Block pattern is described earlier.

DELPHI™ Glass Block have a smooth outer face and multiple triangular patterns pressed into the interior surfaces. This pattern produces a prismatic effect with transmitted light, provides good light transmission and excellent privacy. Both patterns are available in 6- and 8-inch square block and 4 × 8-inch and 6 × 8-inch rectangular block.



*THINLINE SERIES Glass Block  
are available in the  
DECORA™ (left) and DELPHI™ (right)  
Glass Block patterns*



### SPECIFICATIONS

SKYLIGHT UNIT SHALL BE AS MANUFACTURED BY LANE-AIRE MFG. CORP. MODEL NO. \_\_\_\_\_. DIMENSIONS SHALL BE AS SHOWN. DOMES SHALL BE FORMED FROM ACRYLIC PLASTIC. THE SELF-FLASHING DOME FRAME SHALL BE FABRICATED FROM 6063-T5 EXTRUDED ALUMINUM. CURB SHALL BE FORMED FROM 24 GA. GALVANIZED IRON. EACH SKYLIGHT SHALL BE SUPPLIED COMPLETE AND READY FOR INSTALLATION.

MODEL NO.: \_\_\_\_\_  
 NET OPENING: \_\_\_\_\_  
 NO. UNITS REQ'D: \_\_\_\_\_

*Lane-Aire* MANUFACTURING CORP.  
 2971 PARTRIDGE AVE., LOS ANGELES, CALIF. 90039  
 PHONE: 666-2324

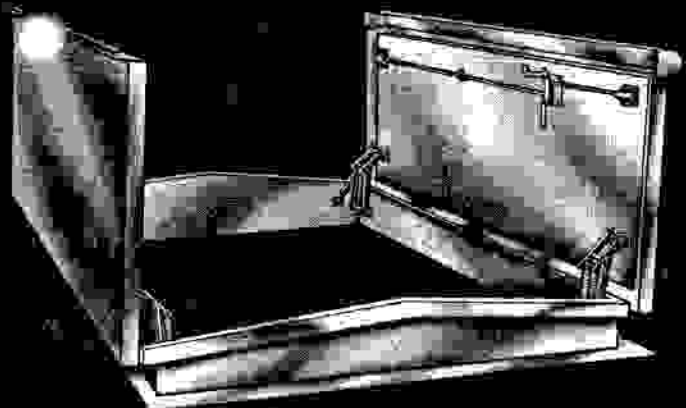
JOB	
ARCH.	
CONTR.	
REVISIONS:	

DRAWING NO.

SF-01

STATE FIRE MARSHALL APPROVAL NO. 4350-054:2  
 I.C.B.O. APPROVAL NO. 1998

## Equipment Hatch



The Lane Aire Equipment Hatch is designed to facilitate the handling of large equipment. It is constructed of galvanized steel and features a heavy duty hinge and handle system. The hatch is designed to be opened and closed easily and safely.

MODEL NO.	INSIDE DIMENSIONS	MODEL NO. EH	INSIDE DIMENSIONS
8080	72" x 72"	8010	72" x 96"
1010	96" x 96"	1012	96" x 120"

## SPECIFICATIONS:

The Equipment Hatch shall be Lane Aire Model E.H. \_\_\_\_\_, a factory fabricated unit, consisting of galvanized steel cover and curb. Curb shall be 14 Ga galvanized steel insulated with 1" treated rigid insulation to insure proper roofing bond. The cover shall be 14 Ga galvanized steel with 1" fiberglass insulation and a cover liner of 22 Ga galvanized steel. Unit shall have fixed pin type, heavy duty butt hinges, inside lever handle, outside turn handle, Positive action hold open arm, and inside and outside lugs for padlocking. Curb shall be 12" high, with completely welded corners and seams to insure watertight construction. The Lane Aire Roof Hatch is primed with double bond activated Galv-A-Grip #33 primer. These units are equipped with 2 point locking device. Units are also available in aluminum.

## Plastic Domed Roof Hatch



The Lane Aire Plastic Hatch is designed to provide non-slip and attractive finish to the roof and to incorporate the ability of day lighting. This unit is designed to be used in conjunction with a plastic sheet or a sheet of steel.

MODEL NO. RHD	INSIDE DIMENSIONS	MODEL NO. RHD	INSIDE DIMENSIONS
3232	24" x 24"	3862	30" x 54"
3244	24" x 36"	4444	36" x 36"
3844	30" x 36"	4456	36" x 48"

## SPECIFICATIONS:

The Plastic Domed Roof Hatch shall be Lane Aire Model RHD \_\_\_\_\_, a factory fabricated unit consisting of aluminum cover and curb. Curb shall be .125" 3003 H14 aluminum insulated with 1" treated insulation to insure proper roofing bond. The cover shall be .125" 3003 H14 aluminum. Unit shall have heavy duty piano type hinge w/ss pin, lever handle inside, turn handle outside, Positive action holdopen arm and lock lugs for padlocking, inside and outside. Curb shall be 12" high with completely welded corners and seams to insure watertight construction. Units also available in galvanized steel, prime coated.

# Castillian 42A

Presenting one of the deepest fireboxes available, the Castillian 42A is Rampart General's main line, time-tested fireplace system. Size and versatility are just a couple of its many assets. Sides, back and bottom are made from high temperature masonry material which increases reflected heat efficiency and has the look of hand laid firebrick. A quality painted, one piece vent free face with an integral nailing flange that makes level and flush installations routine. Gas line knockout plugs are located on either side.

Like all Rampart fireplaces, the Castillian is a

heat-circulating unit with an optional dampered outside air kit which feeds the fire with combustion air from outside the house, in total compliance with H.U.D. requirements. When an easy installation and quality finish are desired, specify the Castillian 42A.

Rampart General designs, engineers, and manufacturers zero clearance fireplace systems which are unsurpassed in quality, ambience and versatility. We make a fireplace to fit any building requirement.

## specifications



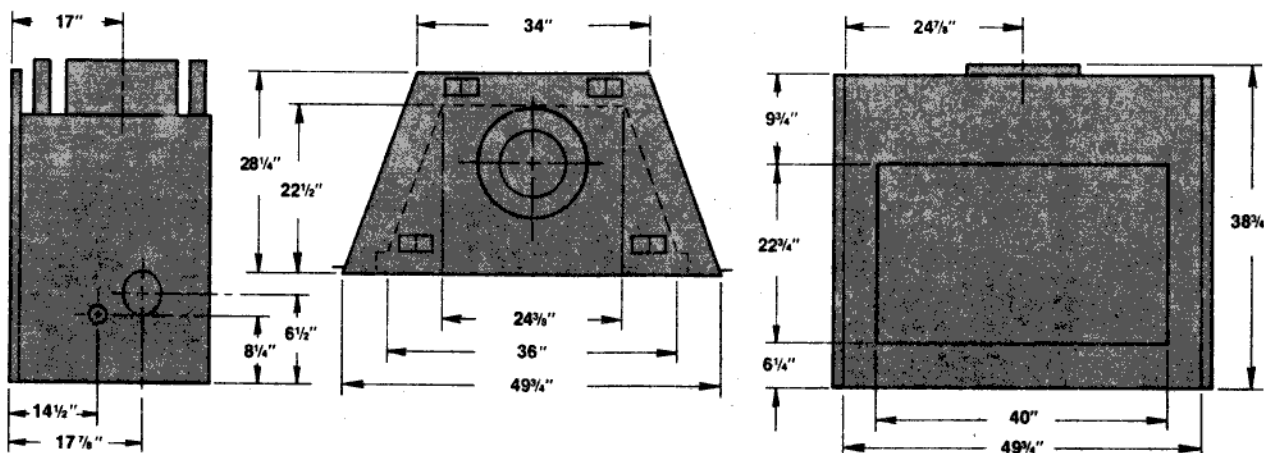
Listed by  
Underwriters Laboratories, Inc.  
File No. 5811228



Approved for use by the  
City of Los Angeles  
See Report No. 24245



National Fire Protection Association  
Approved for use by the  
City of Los Angeles  
See Report No. 24245



## features

All code approved. Triple wall.  
Unitized pipe.

Smooth one piece front face with  
durable, high quality satin black  
finish.

Full brick patterned refractory on  
the sides, back and bottom increase  
reflected heat efficiency and  
durability.

42A standard with grate.

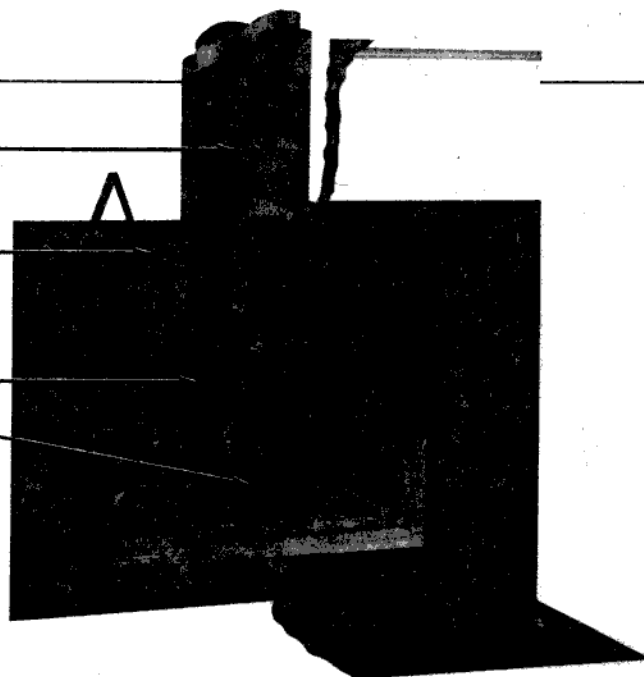
Optional brass trim glass doors  
accentuate the fireplace's beauty  
and appeal.



**RAMPART GENERAL**  
Fireplace Systems

Manufactured by  
**FIREPLACE MANUFACTURERS, INC.**  
2701 So. Harbor Blvd.  
Santa Ana, CA 92704  
(714) 549-7782

Distributed by:





*Weatherwise Products, Inc.*

14706 Raymer Street, Van Nuys, California 91405  
873-2586 • 786-2460

**HOWARD G. CRAVEN**  
Product Manager

Distributed By  
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14706 RAYMER STREET  
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873-2586 786-2460

**THOROSEAL**

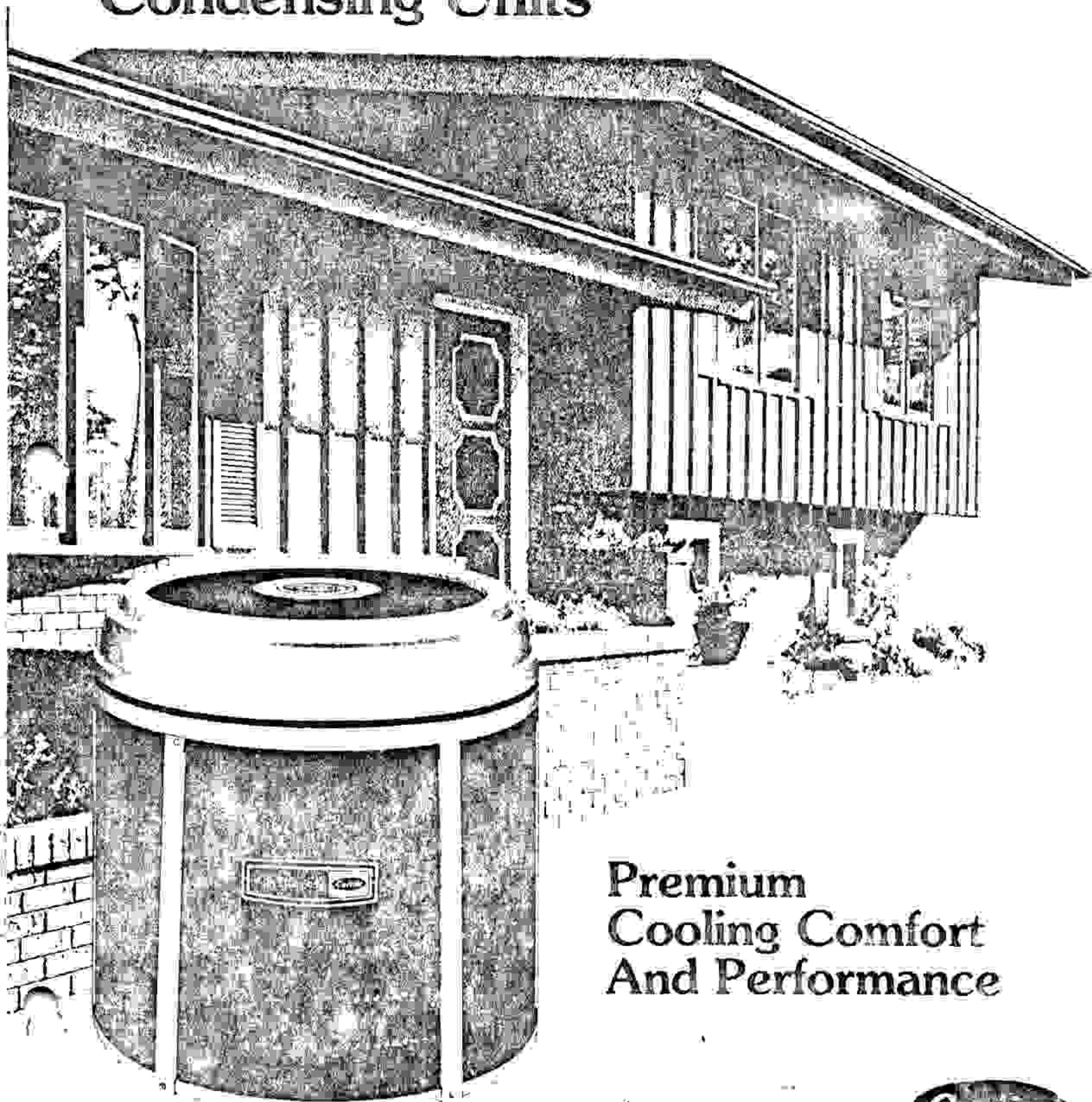
for masonry  
and concrete  
waterproofing

FEBRUARY 1984

# Carrier High Efficiency Air-Cooled Condensing Units

38ED

Cooling Capacities:  
16,200 to 58,000 Btuh



Premium  
Cooling Comfort  
And Performance



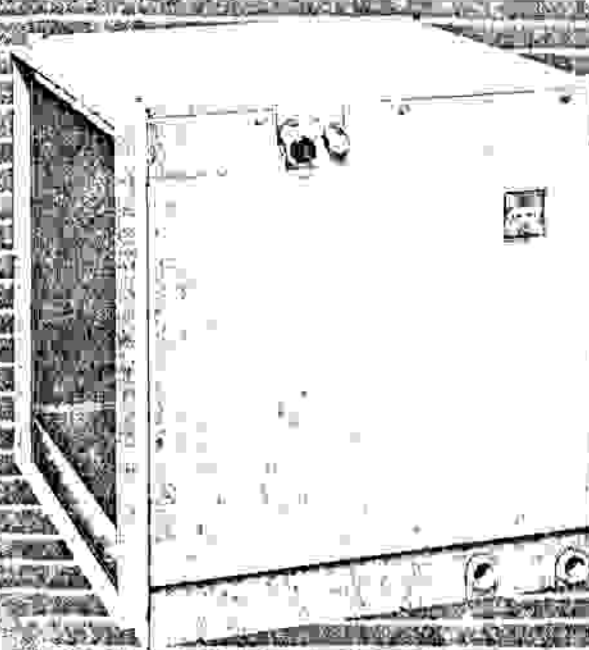


# Carrier Encased Evaporator Coils

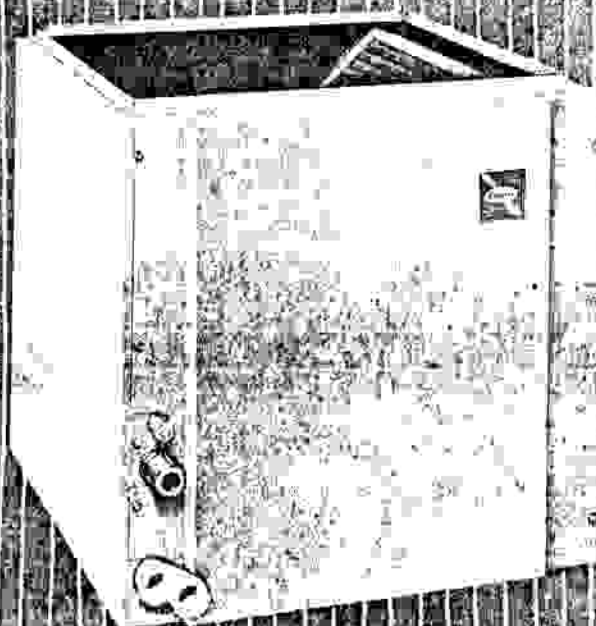
28HQ/VU

Direct Expansion  
14,000 — 60,000 Btu

Horizontal



Upflow/Downflow



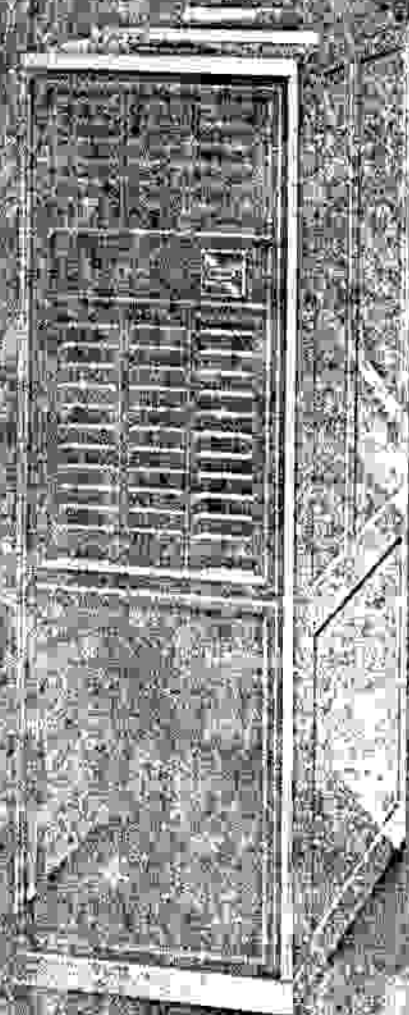
Modular coils  
for cooling or  
heat pump  
applications

Carrier

5980

35,000 to 105,000 Btu/hr. C-110

# Carrier Gas-Fired Incoiled Heat Exchanger Furnace



The choice for efficiency and economy!

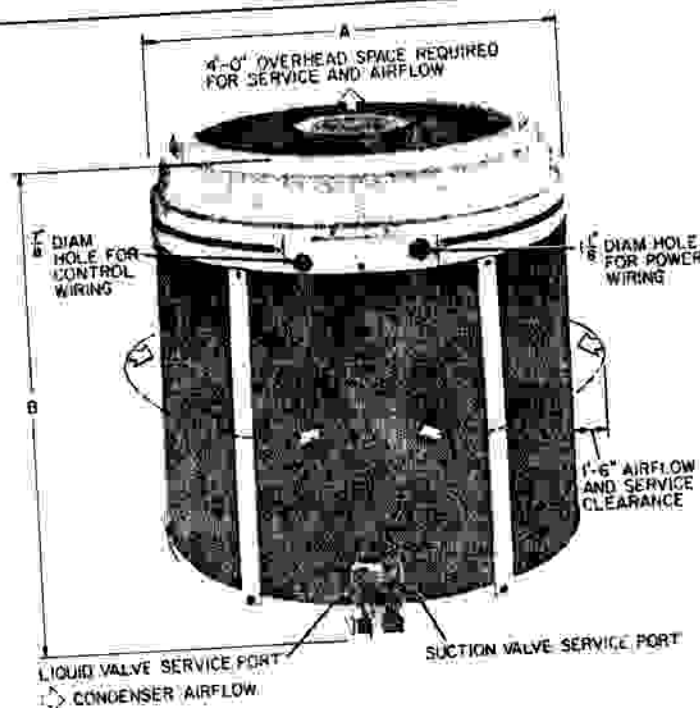
**Carrier**

# Physical data and dimensions

COND UNIT	38ED						
	018	024	030	038	042	048	060
OPER WT. (lb)	167	190	190	223	246	248	278
REFRIGERANT*	R 22						
COND FAN	Propeller Type, Direct Drive, 1 Speed						
Air Discharge	Vertical						
Air Quantity (cfm)	2800						
Mo-Ram (60 Hz)	840						
COND COIL (ft-in.)	20						
Rows	2						
Face Area (sq ft)	9.9	13.2	13.2	15.5	17.8	17.8	20.0
DIMENSIONS (ft-in.)	2-5 <sup>1</sup> / <sub>2</sub>						
Diameter A	2-2 <sup>1</sup> / <sub>8</sub>	2-8 <sup>1</sup> / <sub>16</sub>	2-8 <sup>1</sup> / <sub>16</sub>	3-1 <sup>1</sup> / <sub>8</sub>	2-8 <sup>1</sup> / <sub>16</sub>	3-2 <sup>1</sup> / <sub>8</sub>	3-2 <sup>1</sup> / <sub>8</sub>
Unit Height B	3 <sup>1</sup> / <sub>8</sub>						
CONNECTIONS (in.)	3/4						
Suction (ODF) (Compatible)	3/4						
Liquid (ODE) (Flare)	1 <sup>1</sup> / <sub>8</sub>						
RECOMMENDED REFRIGERANT LINES (in.)	3/4						
Suction	3/4						
Liquid	1 <sup>1</sup> / <sub>8</sub>						

\*Units contain correct operating charge for complete system when connected to Carrier approved evaporators that are the same size as condensing units with 25 ft or less of Carrier accessory tubing or field-supplied tubing of refrigerant grade. Charge adjustment may be required on other units. See Installation, Start-Up and Service Instructions.

†For recommended 1<sup>1</sup>/<sub>8</sub> in. system suction line use accessory 3/4 x 1<sup>1</sup>/<sub>8</sub> in. suction line connection adapter.



## Performance data

COMBINATION RATINGS\*

COMBINATION RATINGS*										SEER	BELS
COND UNIT 38ED	COIL	EVAP AIR CFM 80 F EdB; 67 F Ewb	TEMP AIR ENT COND — db (F)								
			85	95	100	105	115				
			Total Net Cap. (1000 Btu/h)								
018	28HQ/VQ018	810	17.9	16.9	16.3	15.7	14.5	10.20	7.2		
	28HQ/VQ018	600	17.5	16.5	15.9	15.3	14.2	9.85			
	28HQ/VQ018	600	17.2	16.2	15.6	15.0	13.4	9.95			
	28HQ/VQ024	600	18.4	17.3	16.7	16.1	14.9	10.20			
	28HQ/VQ024	600	18.4	17.3	16.7	16.1	14.9	10.50			
	28HQ/VQ024	600	17.6	16.7	16.1	15.5	13.8	9.90			
	28HQ/VQ030	680	17.6	16.7	16.1	15.5	13.8	10.50			
	28HQ/VQ030	710	16.8	15.7	15.0	14.4	12.2	10.70			
	28HQ/VQ030	710	16.8	15.7	15.0	14.4	12.2	10.70			
	28HQ/VQ030	710	16.5	15.5	14.9	14.3	12.1	10.00			
024	28HQ/VQ024	850	24.0	22.8	22.1	21.3	20.0	10.20	7.2		
	28HQ/VQ024	850	23.6	22.4	21.7	21.0	19.6	9.80			
	28HQ/VQ024	850	22.4	21.0	20.3	19.6	18.0	10.00			
	28HQ/VQ024	850	24.0	22.8	22.1	21.3	20.0	10.20			
	28HQ/VQ030	850	25.2	23.8	23.1	22.3	20.8	10.50			
	28HQ/VQ030	850	25.2	23.8	23.1	22.3	20.8	10.50			
	28HQ/VQ030	850	25.0	23.6	22.9	22.1	20.6	10.20			
	28HQ/VQ030	850	25.0	23.6	22.9	22.1	20.6	10.20			
	28HQ/VQ036	850	25.8	24.4	23.6	22.8	21.3	10.75			
	28HQ/VQ036	850	25.8	24.4	23.6	22.8	21.3	10.75			



090-100CA	090-100DA	110-100CA
128	200	216
107,000	107,000	129,000
88,000	88,000	106,000
81.9	81.9	81.9
55.85	30.80	40.70
	0.20	0.20
1339	1909	1840
1550	1948	2040
21	24 1/2	24 1/2
4	4	5
19 1/2	22 1/2	22 1/2
18 1/2	22	22
5	5	5

090-100CA	090-100DA	110-100CA
1/2	1/2	1/2
9.0	10.5	10.5
10.8	(2) 10 x 6	(2) 10 x 6
27 1/2 x 1	22 1/2 x 27 1/2 x 1	

eters DOE Residential Conservation Services  
ogram Standards



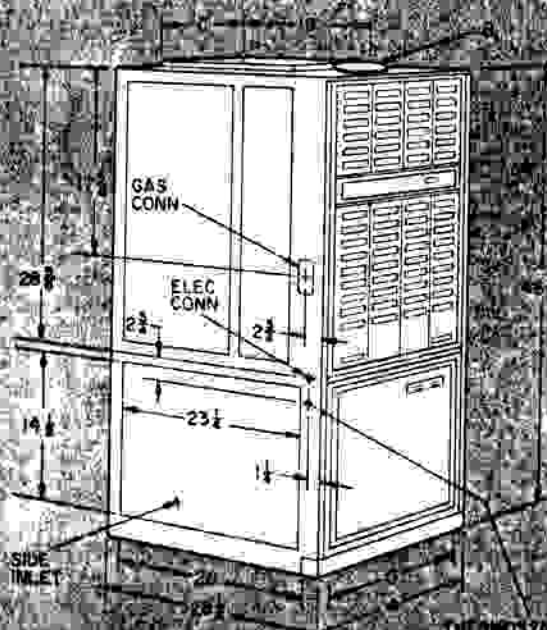
Before purchasing this appliance,  
read important energy cost and effi-  
ciency information available from  
your retailer.



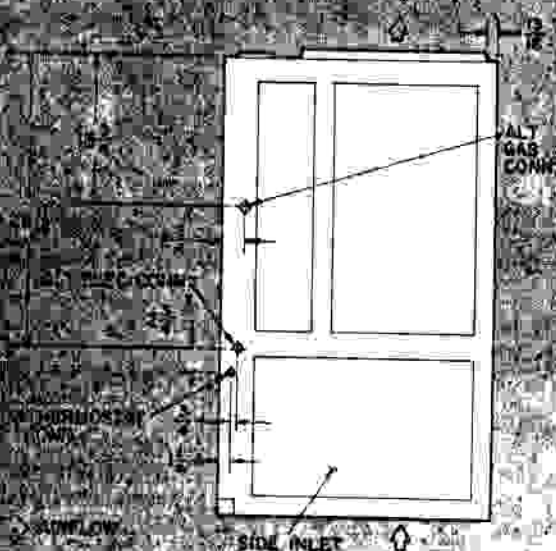
a Model 5BSC Furnace is for natural gas only. It  
cannot be field converted for LP (Liquid Propane) gas  
operation.

## CLEARANCES (in.)

	035-055	070-110
1	0	0
2	0	0
3	0	0
4	1	1
5	6	6
6	1	1
7	6	8
8	3	3
9	30	30



NOTE: All dimensions are in inches.



## Electrical data

MINIMUM VOLTAGE	120-1 80
MINIMUM WIRE SIZE	14 AWG
MAXIMUM AMPERAGE	15 amps
MAXIMUM VA	40 VA
MINIMUM WIRE SIZE	24 VA
MAXIMUM VA	37 VA
Standard	Standard

# Performance data (cont)

## CONDENSING UNIT COOLING CAPACITIES

CO UN. 38ED	SST (F)	TEMPERATURE AIR ENTERING CONDENSER IS														
		85			95			100			105			115		
		Cap.	SCT	kW	Cap.	SCT	kW	Cap.	SCT	kW	Cap.	SCT	kW	Cap.	SCT	kW
018	30	13.9	101	1.40	12.6	111	1.47	11.9	116	1.51	11.3	121	1.54	9.95	131	1.59
	35	15.7	102	1.44	14.3	111	1.52	13.6	116	1.56	12.3	121	1.60	11.6	131	1.66
	40	17.8	103	1.48	16.2	112	1.57	15.4	117	1.62	14.7	122	1.65	13.2	132	1.74
	45	19.8	104	1.52	18.1	113	1.62	17.3	118	1.67	16.6	123	1.72	15.0	132	1.81
	50	21.7	105	1.56	20.1	115	1.67	19.3	119	1.72	18.5	124	1.77	16.9	134	1.87
024	30	19.4	100	1.97	17.7	110	2.10	16.9	115	2.16	16.1	120	2.22	14.5	130	2.33
	35	21.8	101	2.02	20.0	111	2.17	19.1	116	2.24	18.3	120	2.30	16.6	130	2.42
	40	24.4	103	2.08	22.4	112	2.23	21.5	117	2.31	20.6	121	2.38	18.8	131	2.52
	45	27.0	104	2.13	25.0	113	2.30	24.0	118	2.38	23.0	123	2.46	21.0	132	2.61
	50	29.9	106	2.18	27.7	115	2.37	26.6	119	2.45	25.6	124	2.54	23.5	133	2.70
030	30	23.5	105	2.36	21.4	115	2.49	20.3	120	2.55	19.3	125	2.61	17.4	135	2.74
	35	26.7	105	2.44	24.3	115	2.57	23.2	120	2.64	22.1	125	2.71	19.9	135	2.84
	40	30.1	106	2.52	27.6	115	2.66	26.4	120	2.73	25.1	125	2.80	22.8	135	2.94
	45	33.5	107	2.61	31.0	116	2.75	29.7	120	2.82	28.4	125	2.89	25.9	135	3.04
	50	37.1	109	2.72	34.4	117	2.88	33.1	122	2.93	31.8	126	3.00	29.1	135	3.15
036	30	27.7	103	2.61	25.3	112	2.77	24.1	117	2.84	22.9	122	2.90	20.5	131	3.01
	35	31.1	105	2.72	28.5	114	2.89	27.2	118	2.97	25.9	123	3.04	23.4	132	3.17
	40	34.6	107	2.82	31.8	115	3.01	30.5	120	3.10	29.1	124	3.18	26.4	134	3.33
	45	38.3	108	2.93	35.4	117	3.13	34.0	122	3.23	32.5	126	3.32	29.7	135	3.50
	50	42.2	111	3.03	39.1	119	3.25	37.6	124	3.36	36.1	128	3.46	33.1	137	3.65
042	30	32.5	105	3.22	29.2	115	3.41	27.7	120	3.49	26.2	125	3.57	23.3	135	3.70
	35	36.5	106	3.33	33.4	115	3.53	31.8	120	3.63	30.1	125	3.73	27.0	135	3.89
	40	40.9	107	3.44	37.6	116	3.66	35.9	121	3.77	34.3	126	3.88	30.9	135	4.07
	45	45.4	109	3.56	42.0	118	3.80	40.3	122	3.92	38.5	127	4.03	35.0	136	4.24
	50	50.1	111	3.68	46.6	119	3.94	44.7	124	4.06	42.9	128	4.19	39.3	137	4.42
048	30	39.2	104	4.08	35.8	113	4.31	34.1	118	4.42	32.4	123	4.52	28.9	132	4.69
	35	43.9	106	4.25	40.3	115	4.50	38.6	119	4.62	36.8	124	4.73	33.2	133	4.94
	40	48.8	108	4.43	45.1	117	4.70	43.2	121	4.83	41.3	126	4.96	37.5	135	5.19
	45	53.9	110	4.60	50.0	119	4.90	48.0	123	5.04	46.1	127	5.18	42.1	136	5.44
	50	59.4	113	4.79	55.2	121	5.10	53.1	125	5.28	51.1	130	5.41	46.8	138	5.70
060	30	53.3	108	5.60	48.6	117	5.81	46.3	121	5.89	43.9	125	5.98	39.1	134	6.05
	35	59.6	110	5.91	54.7	119	6.15	52.2	123	6.26	49.7	127	6.35	44.7	136	6.49
	40	66.2	112	6.22	61.0	121	6.50	58.4	125	6.62	55.8	129	6.74	50.5	138	6.92
	45	73.2	115	6.54	67.7	123	6.85	64.9	127	6.99	62.2	132	7.13	56.7	140	7.35
	50	80.5	117	6.86	74.7	126	7.21	71.8	130	7.37	68.9	134	7.52	63.1	142	7.79

Cap. — Capacity (1000 Btu/h)  
 kW — Compressor Motor Power Input  
 SCT — Saturated Condensing Temperature  
 SST — Saturated Suction Temperature shown corresponds to the pressure at the compressor. Actual suction temperature is higher due to superheat

### NOTES:

- Interpolation is permissible. Do not extrapolate.
- Use 20°F subcooling when selecting thermal expansion valve

## Electrical data (60 Hz)

COND. UNIT 38ED	V/PH	OPER VOLTAGE*		COMPR		FAN FLA	BRANCH CIRCUIT				
		Max	Min	LRA	RLA		Min Wire Size (AWG)†	Max Ft Wire†	Min Ground Wire Size‡	Max Fuse or HACR Type Ckt Bkr Amps**	MCA
018	208-230/1	254	197	43.0	7.8	1.1	14	32	14	15	10.9
024				64.0	11.5		12	37	12	25	15.5
030				65.0	13.7		12	31	12	30	18.2
036				78.8	13.5		12	31	12	30	18.0
042				95.0	19.7		10	34	10	45	26.3
048	230/1	207	130.0	116.0	23.7	1.7	8	44	10	60	31.3
060				130.0	27.8		8	38	10	60	36.5

AWG — American Wire Gauge  
 FLA — Full Load Amps  
 HACR — Heating, Air Conditioning and Refrigeration  
 LRA — Locked Rotor Amps  
 MCA — Minimum Circuit Amps  
 FLA — Rated Load Amps

\*Permissible limits of the voltage range at which the unit will operate

†Copper wire sizes based on 60°C. Use copper wire only.  
 ‡Required when using nonthermally conduct.  
 \*\*Maximum dual element size

NOTE: Control circuit is 24V on all units and requires external power source

# Physical data and dimensions

035-100BA	035-100CA	055-100BA	055-100CA	070-100BA	070-100CA	090-100CA
130	132	140	142	163	168	178
43,000	43,000	64,000	64,000	86,000	86,000	107,000
35,000	35,000	53,000	53,000	71,000	71,000	88,000
81.9	81.9	81.9	81.9	81.9	81.9	81.9
40-70	20-50	45-75	40-70	55-85	40-70	55-85
0.10	0.10	0.12	0.12	0.15	0.15	0.29
713	1015	730	1010	1030	1340	1330
834	1155	1230	1180	1230	1545	1559
14 3/4	14 3/8	14 3/8	14 3/8	17 1/2	21	21
4	4	4	4	4	4	4
12 1/8	12 1/8	12 1/8	12 1/8	15 1/2	19 1/2	19 1/2
11 1/8	11 1/8	11 1/8	11 1/8	15	18 1/2	18 1/2
SPST						
Solid-State Time Operated						
2	2	3	3	4	4	5
1/2-in. NPT						
4.5						
13.6						
Model 733B						

Settings shown are for elevations up to 2000 ft. For elevations above 2000 ft., ratings should be reduced at the rate of 4% for each 1000 ft. above sea level. Capacity in accordance with U.S. government DOE test procedures using a room air blower air method. Air delivery above 1800 cfm requires that both sides of furnace be used, or a combination of one side and bottom or bottom only.

## Blower performance data

035-100BA	035-100CA	055-100BA	055-100CA	070-100BA	070-100CA	090-100CA
—	1/2	—	1/2	1/2	1/2	1/2
—	8.0	—	8.0	8.0	9.0	9.0
1050-4						
—	10.6	—	10.6	10.7	10.8	10.8
15 1/2 x 27 1/2 x 1						
19 1/2 x 27 1/2 x 1						

### AIR DELIVERY — (Cfm) (With Filter)\*

BLOWER MOTOR HP	SPEED	EXTERNAL STATIC PRESSURE (in. wg)						
		0.1	0.2	0.3	0.4	0.5	0.6	0.7
1/4 PSC	High	—	958	923	890	834	785	728
	Med-High	—	828	792	760	720	687	619
	Med-Low	712	690	665	642	608	542	489
	Low	659	640	615	585	547	508	430
1/4 PSC	High	1370	1325	1275	1220	1160	1090	1000
	Med-High	1195	1163	1123	1085	1030	965	895
	Med-Low	1020	1000	975	945	910	860	795
	Low	885	870	850	825	795	750	695
1/4 PSC	High	1002	982	920	890	848	798	730
	Med-High	850	830	802	775	730	682	610
	Med-Low	730	712	690	658	620	570	490
	Low	678	662	630	600	552	512	438
1/4 PSC	High	—	1280	1260	1210	1180	1100	1010
	Med-High	—	1140	1120	1095	1055	995	930
	Med-Low	1010	1000	985	960	925	—	—
	Low	920	915	900	880	850	—	—
1/4 PSC	High	—	1290	1290	1280	1230	1170	1100
	Med-High	—	1150	1150	1140	1100	1045	970
	Med-Low	1030	1020	1020	1005	975	—	—
	Low	910	905	890	875	850	—	—
1/4 PSC	High	1870	1800	1720	1635	1545	1440	1325
	Med-High	1610	1580	1540	1480	1410	1335	1240
	Med-Low	1340	1340	1320	1280	1240	1165	1075
	Low	1105	1120	1120	1105	1075	1030	980
1/4 PSC	High	1835	1765	1685	1600	1515	1420	1320
	Med-High	1610	1575	1535	1480	1410	1335	1240
	Med-Low	1375	1365	1360	1325	1280	1230	1135
	Low	1195	1210	1210	1195	1160	1115	1055
1/4 PSC	High	2335	2330	2315	2285	2230	2160	2050
	Med-High	2115	2130	2120	2100	2040	1990	1890
	Med-Low	1960	1980	1990	1980	1925	1865	—
	Low	—	1710	1720	1700	1650	1555	—
1/4 PSC	High	2185	2195	2185	2150	2100	2030	1940
	Med-High	2050	2040	2020	1985	1925	1850	—
	Med-Low	1815	1825	1825	1810	1790	—	—
	Low	1685	1690	1680	1660	1625	—	—

Meets DOE Resident Program Standards.



Before  
read  
clean  
your

The Model 58SC for  
cannot be field conve  
operation

1 1/2" FL +  
K17CHE1

3RD FL  
2ND FL

delivery above 1800 cfm requires that both sides of furnace be used, or a combination of one side and bottom or bottom only.