Foodservice and Guest Laundry Product Manual

Volume 4

Revision Log

Revision #	Date	Description
	10/17/17	Initial Release
1	1/29/2018	Trimester Changes
2	9/21/2018	Trimester Changes
3	2/14/2019	Trimester Changes

Aloft
Foodservice and Guest Laundry Equipment

Mark #	Description	Rev#	Date of Rev	Change Bulletin #
	FOODSERVICE			
801	Beer Cooler			
802	Refrigeration System +35°F - Coil			
803	Refrigeration System +35°F - Compressor			
804	Keg Racks			
805	Shelving Unit			
806	CO2 Canister			
807	Beer System			
808	Soda System			
809	Hand Lavatory			
810	Garbage Cans			
811	Locked Liquor Cabinet			
812	Water Filter - Ice Maker			
813	Ice Maker			
814	Ice Bin			
815-819	Spare Numbers			
820	Glasswasher			
821	Wet Waste Stand			
822	POS Stand			
823	POS System			
824	Combo Ice Bin	2	5/25/2018	114
825	Soda Gun	2	5/25/2018	114
826	Bottle Display			
827	Bar Hand Sink			
828	Beer Tower			
829	Drainboard Cabinet			
830	Corner Drainboard			
831	Backbar Refrigerator	1	1/29/2018	
832	Backbar Refrigerator	1	1/29/2018	
833-840	Spare Numbers			
841	Walk-In Cooler			
842	Refrigeration System +35°F - Coil			
843	Refrigeration System +35°F - Compressor			
844	Shelving - Cooler			
845	Shelving - Dry Storage Shelving			
846	Three Compartment Sink			
847	Dishwasher - Undercounter			
848	Shelving - Bulk Storage Decks			
849	Disposer and Control			
850	Spray Rinse			
851	Corner Guards and Flash Trim			

Mark #	Description	Rev#	Date of Rev	Change Bulletin #
852-855	Spare Numbers			
856	Freezer - Two-Door Reach-In			
857	Counter Oven			
858	Shelves - Wall			
859	Work Table			
860	Hot Food Unit			
861	Hot Food Cabinet			
862	Sandwich Make Refrigerator			
863	Beverage Counter with Sink			
864	Wall Shelf			
865	Coffee Brewer			
866	Water Filter			
867	Undercounter Refrigerator			
868	Espresso Unit			
869	Reach-In Freezer			
870	Heat Lamp	2	5/25/2018	114
871-875	Spare Numbers			
876	Glass Door Refrigerator			
877	Freezer - Glass Door	1	1/29/2018	70
878	Water Filler and Drain	1	1/29/2018	70
879	Water Filter			
880	Spare Number	1	1/29/2018	70
881	Ice Dispenser			

GUEST LAUNDRY

Mark #	Description	Rev#	Date of Rev	Change Bulletin #
953	Folding Table			
954	Ironing Board			
979	Guest Washer (ADA)	3	2/14/2019	256
980	Guest Dryer - Electric (ADA)	3	2/14/2019	256
981	Guest Dryer - Gas (ADA)	3	2/14/2019	256

FOOD SERVICE

Beer Cooler

MANUFACTURER Bally

MODEL # Per Plan

FEATURES
- Size and shape as shown on plan +7'-9" high; verify each site-adapted plan to detect any variations.
- Install into slab depression 4" below finished floor level.
- 16 Ga. NSF-approved floor finish.
- Non-slip treadstrips on 6" centers in all walk areas.
- Aluminized galvanized steel exterior.
- White enameled interior walls and ceiling panels for reflectance.
- One additional 100W shielded, incandescent ceiling-mounted light fixture.
- 34" door with aluminum kickplate, door closer, and locking latch with inside release knob.

ELECTRICAL

CONNECTION	JB	VOLTS	120	PHASE	1	AMPS	
KW	800W	HP		ROUGH-IN HEIGHT	DFA +108"		
ROUGH-IN COMMENTS	Lights						

PLUMBING

HW		CW		WASTE	
ROUGH-IN COMMENTS					

GAS

GAS SIZE		MBH		HEIGHT	
COMMENTS					

VENTILATION

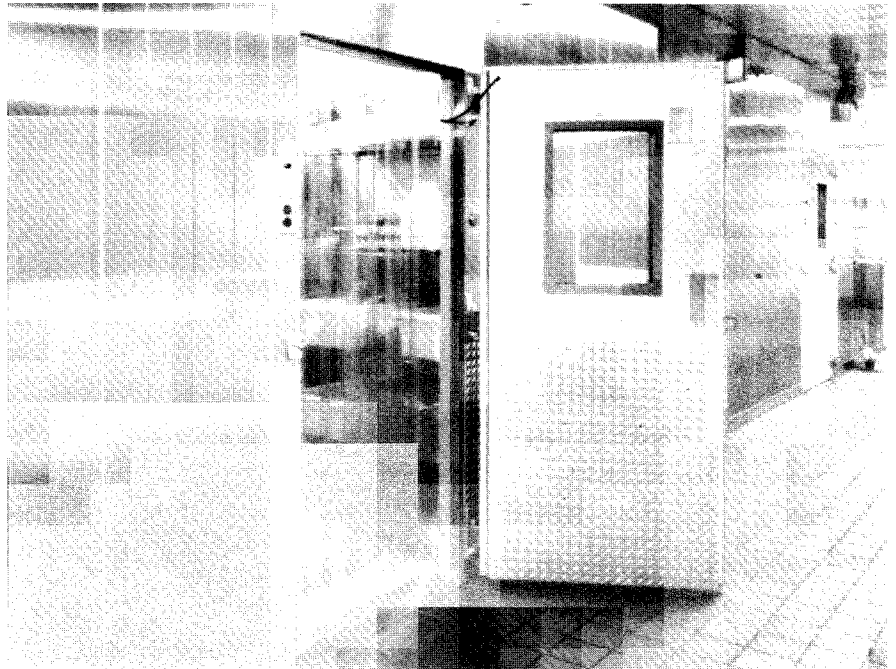| CONNECTION TYPE		CFM		STAT. PRESS.	
DUCT SIZE				VENT HEIGHT	
COMMENTS					

Use this section of the Bally Working Data Catalog to find useful facts on Bally walk-in coolers, walk-in freezers and refrigerated buildings. You'll find details on urethane insulation, panel construction, the Speed-lok® joining system and other important aspects of our structures. Section 1 is focused on walk-ins. See Section 6 for information on refrigerated buildings exclusively.
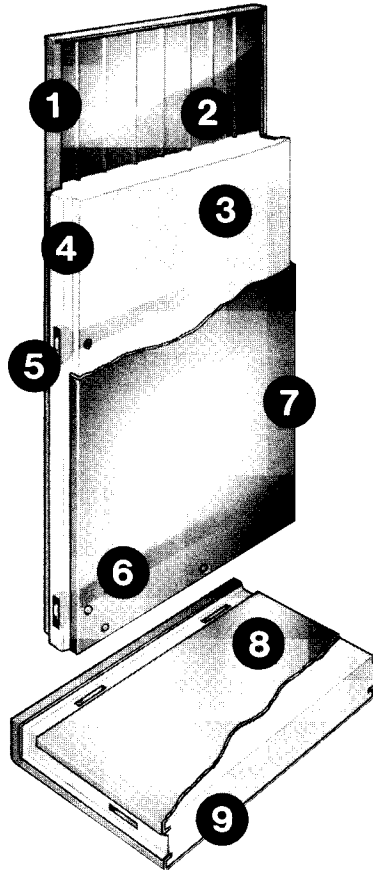
Bally panels can be assembled to create superb insulated structures from warehouse to kitchen size.

Solid Fundamentals: the Pre-Engineered Panel

In making our panels, we take nothing for granted. We design and build our own heated molds, in which our panels are foamed-in-place precisely and accurately. The prime insulation built into those panels provides dimensional stability through a wide range of temperatures.

Standard Bally Panel
4", 5" or 6" thick
(Facing inside)

1. Outside skins are available in white polyester over smooth galvanized, white polyester or sand-tan polyester over embossed galvanized, embossed aluminum, embossed Galvalume® or stainless steel. Optional finishes in a spectrum of custom colors are also available, as are Sandex sand-textured finishes.

2. Bally wash primer for optimum foam adhesion.

3. Foamed-in-place urethane insulation, (poured, not frothed).

4. Tongues and grooves on panel edges are accurately molded urethane.

5. Cam-action Speed-lok joining mechanism for snug joints.

6. Heavy-gauge steel straps connect locking arms with locking pins on opposite edges of each panel.

7. Inside skins are available in white polyester over smooth or embossed galvanized, embossed aluminum, embossed Galvalume or stainless steel.

8. Interior metal floor panel skin. Heavy-gauge galvanized steel or optional stainless steel.

9. Exterior metal floor panel skin. Usually supplied in same finish as vertical panels. Edges capped with matching metal when stainless steel or white over galvanized steel are specified for verticals.

Type of Panel	Lengths	Widths	Heights/Comments†
Center Ceiling Panels	Vary **	11-1/2", 23", 34-1/2" or 46"*	——
End Ceiling Panels	Vary **	23-1/2"	——
Corner Panels	——	12" x 12" Outside width	6'10" thru 10'10", 11'4" thru 19'4", 19'8" thru 27'8" in one foot increments.††
Hinged Door Panels 4", 5" or 6"	——	46" Wide — 30" and 36" Opngs. 57-1/2" Wide — 36", 42", 48" Opngs. 69" Wide — 36", 42", 48" or 60" Opngs.	6'10", 7'10"; for taller buildings, panels of an appropriate size are installed above the door panel.
Wall Panels	——	11-1/2", 23", 34-1/2" or 46"*	6'10" thru 10'10", 11'4" thru 19'4", 19'8" thru 27'8" in one-foot increments.
Center Floor Panels	Vary **	11-1/2", 23", 34-1/2" or 46"*	——
End Floor Panels	Vary **	23-1/2"	——

* 17-1/4" wide panels available for special uses. Contact factory for details.
** Maximum length for 4" and 5" thick floor and ceiling panels is 11'6" for multi-span and 17'4" for single span (indoors).
   Smallest building size is 3'11"w x 5'10"l, size increases in 11-1/2" increments to any size building. For height, see "wall panels" above.
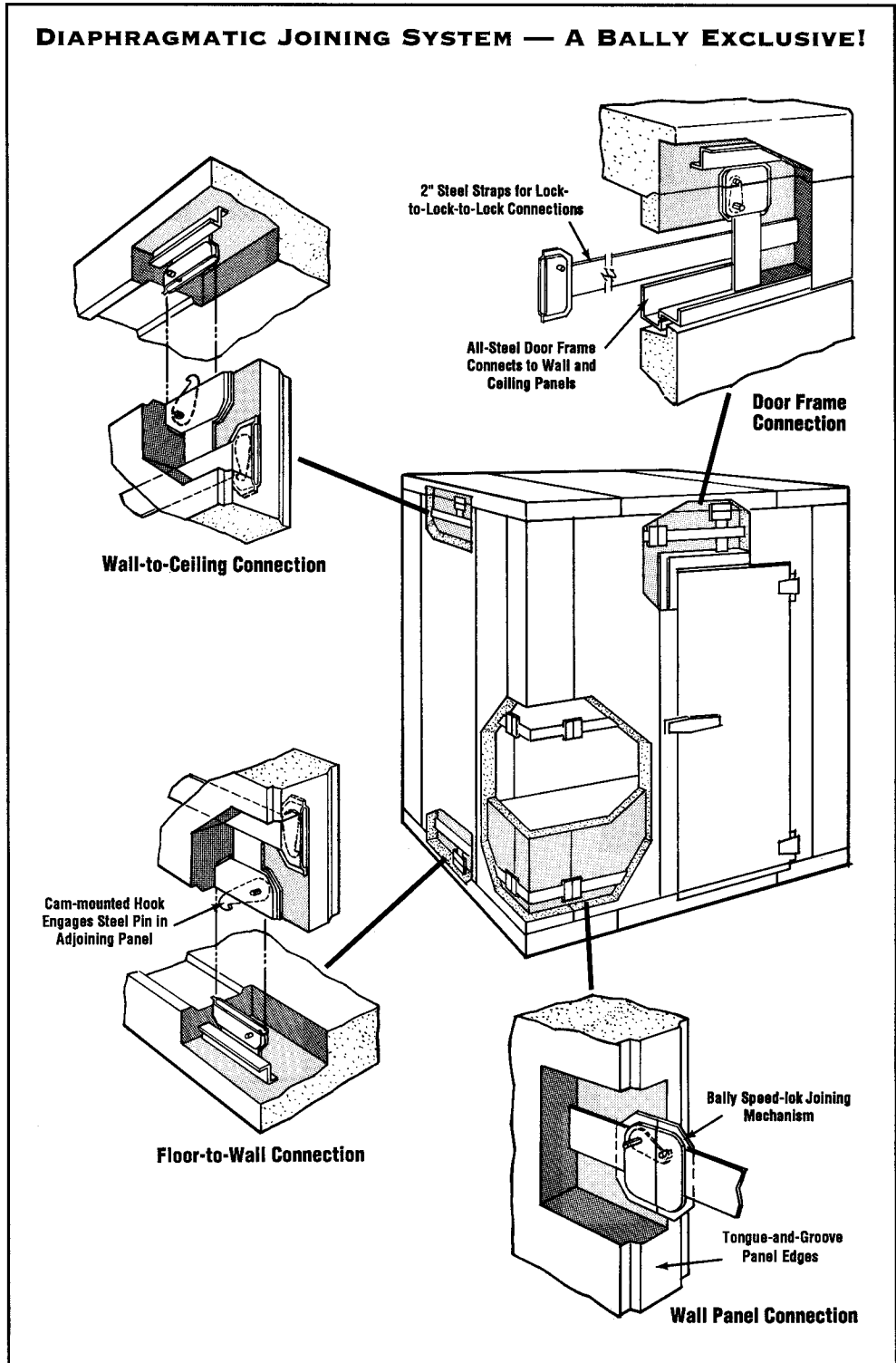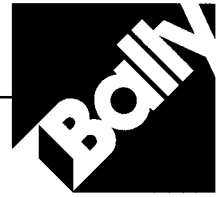† Heights shown are for vertical panels only, for overall height add thickness of appropiate floor and ceiling panels.
†† May be fabricated in two pieces.

How the Diaphragmatic System Helps You

Because it's so easy to use, Bally's Speed-lok-based diaphragmatic joining system drastically cuts time and labor costs for most installations. Two inexperienced workers can assemble a 6' x 8' structure in three or four hours, a fraction of the time it would take to install a built-in unit of conventional construction — or other walk-in brands. And Bally structures are equally simple to enlarge or relocate.

To make a walk-in or refrigerated building larger, panels can be added to sides or ends of the building. Users can buy a building that fits current requirements, so no space is wasted. When growth demands a bigger building, the swift addition of extra panels completes the job. Should the need arise, a Bally structure can be disassembled and relocated with ease.

Diaphragmatic Joining System — A Bally Exclusive!

2" Steel Straps for Lock-to-Lock-to-Lock Connections

All-Steel Door Frame Connects to Wall and Ceiling Panels

Door Frame Connection

Wall-to-Ceiling Connection

Cam-mounted Hook Engages Steel Pin in Adjoining Panel

Floor-to-Wall Connection

Bally Speed-lok Joining Mechanism

Tongue-and-Groove Panel Edges

Wall Panel Connection

DEPEND ON BALLY'S FOAMED-IN-PLACE URETHANE INSULATION

In a time when the elimination of CFCs has severely curtailed the effectiveness of many insulations, Bally's poured-foam urethane remains an outstanding choice.

The current formulation used in our panels relies on HCFCs, meeting international standards for CFC reduction as well as the U.S. Clean Air Act. Compared to the CFCs they replace, HCFCs reduce ozone depletion by a factor of ten. Yet they yield insulation with outstanding resistance to the transfer of heat — substantially more effective at resisting the transfer of heat than fiberglass, polystyrene or other common insulating materials.

You also get these important advantages when you choose Bally:

- **Dimensional stability** — Bally urethane maintains its shape and size through a wide range of temperatures.

- **Light weight** — Poured-foam urethane insulation makes Bally panels light in weight, so they're easy to handle.

- **Energy efficiency** — The insulating superiority of Bally urethane saves money. You'll pay less to cool your Bally structure.

Approvals and Listings

Some manufacturers' statements of product safety are nothing but empty claims. Bally backs what it says with approvals and listings from leading independent quality certification organizations. Buyers can be sure that Bally products live up to the maker's claims and their own standards.

Underwriters Laboratories

No independent testing organization is more respected than Underwriters Laboratories. The tag at right, showing UL-tested listings for flame spread and smoke developed, appears on every Bally panel. It proves that the panels are UL-classified — a vital assurance to every buyer.

UL listings have also been granted to electrical systems in Bally structures, including interior lights, door heaters and refrigeration systems.

Factory Mutual

Bally panels have been approved as a Class 1 building material by Factory Mutual Insurance System, Norwood, Mass. This approval means that Bally wall and ceiling panels meet FM standards for walk-ins and refrigerated buildings without sprinklers.

◀ **F M** ▶

Panels "subject to conditions of approval as a foam core when installed as described in current edition of the FMRC approval guide."

Bally Refrigerated Boxes, Inc.
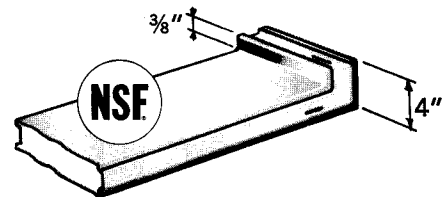135 Little Nine Drive
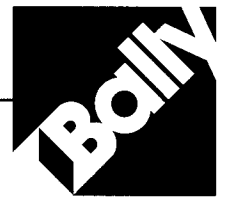Morehead City, NC 28557

New York City

Stringent tests on their urethane insulation have earned Bally walk-ins and refrigerated buildings the Materials and Equipment Approval of the City of New York. Also, to conform to the standards imposed by the city's Advisory Board, Bally makes available special wiring systems and a low-voltage heater.

National Sanitation Foundation

Approval of the National Sanitation Foundation is granted to Bally installations incorporating floor panels with a 3/8" coved offset.

Bally holds many more state and municipal code approvals. For details, contact our corporate headquarters in Morehead City, North Carolina.
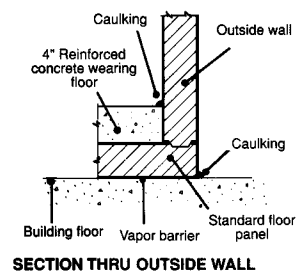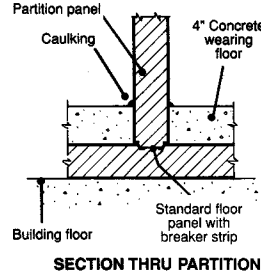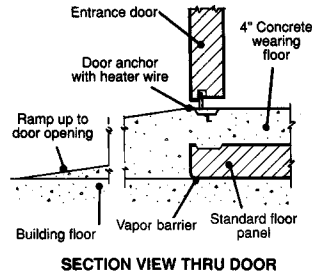
FLOOR CONSTRUCTION — CONTINUED
WALK-IN FLOORS — CONTINUED

Additional underfloor heating and venting may be required to prevent frost heaving of the floor, depending on size, temperature of application and location. See page three, this section. (Dimensions shown are for 4"-thick panels; if 5" or 6" panels are used, adapt drawings accordingly by adding 1" to inside of wall thickness.)

> Because requirements vary widely with individual site conditions and local construction regulations, design, review and approval of all such plans must be the responsibility of an engineer familiar with the circumstances of the individual installation.

Bally floor panels on existing floor with concrete wearing floor (indoors or outdoors)

SECTION VIEW THRU DOOR   SECTION THRU PARTITION   SECTION THRU OUTSIDE WALL

Bally floor panels on concrete pad (indoors or outdoors)

SECTION VIEW THRU DOOR   SECTION THRU PARTITION   SECTION THRU OUTSIDE WALL

Built-in insulated floor (indoors or outdoors)

SECTION VIEW THRU DOOR   SECTION THRU PARTITION   SECTION THRU OUTSIDE WALL

Built-in insulated floor (indoors only)

SECTION VIEW THRU DOOR   SECTION THRU PARTITION   SECTION THRU OUTSIDE WALL

FLOOR CONSTRUCTION — CONTINUED
DRAIN AND VENT PIPES

Walk-ins or refrigerated buildings operating at or below 32°F (0°C) must be equipped with some form of underfloor heating or ventilation to prevent ground water from freezing and heaving the floor. Perforated drain and vent piping with gravel fill is Bally's preferred recommendation; alternatives include glycol piping or resistance heating.

Drain and vent tiles are especially useful:

a. When coolers or freezers are located in areas with high water tables. In such areas they drain off excess water and serve as air vents to keep the area under the slab dry.

b. Generally when freezers or cooler-freezer combinations are more than 225 square feet in floor area and the ambient temperatures are higher than the ground temperature. These drain and vent pipes provide passages for the flow of warm air. This air flow stores heat in the ground to prevent ice build-up that could eventually cause the floor to heave.

No matter which subfloor treatment is chosen, it's vital that an engineer familiar with the circumstances of the individual installation be employed through the design and construction stages.

ASHRAE-recommended Subfloor Treatments with Drain and Vent Tiles

SECTION VIEW THRU OUTSIDE WALL

SECTION THRU LENGTH

SPECIFICATIONS

TO USE THESE SPECS, SIMPLY CHECK OR WRITE IN THE APPLICABLE DETAILS IN EACH SECTION

1. Sectional walk-in refrigerators and/or freezers complete with doors shall be manufactured by Bally Refrigerated Boxes, Inc. Overall size of walk-in shall be _____ long x _____ wide x _____ high.

Fill in lengths and widths from this list: 5'10", 6'9-1/2", 7'9", 8'8-1/2", 9'8", 10'7-1/2", 11'7", 12'6-1/2", 13'6", 14'5-1/2", 15'5", 16'4-1/2", 17'4", 18'3-1/2", 19'3", 20'2-1/2", 21'2", 22'1-1/2", 23'1", 24'1/2", 25'0", 25'11-1/2", 26'11", 27'10-1/2".

Longer or wider buildings are available in additional 11-1/2" increments.

Fill in heights from this list (heights shown are with floor; subtract 4" for less-floor units): 7'6", 8'6", 9'6", 10'6", 12', 13', 14', 15', 16', 17', 18', 19', 20'4", 21'4", 22'4", 23'4", 24'4", 25'4", 26'4", 27'4", 28'4". (Single length verticals)

Taller buildings are available in additional 12" increments, with stacked vertical panels.

2. Foam core of panels shall be Underwriters Laboratories-listed as having flame spread of 25 or lower and smoke generation of 450 or lower when tested in accordance with ASTME-84-76. Panels shall be approved by Factory Mutual as a Class I building type. They shall be foamed using HCFC expanding agents and shall meet all current international standards.

3. All work and materials shall be in full accordance with local and/or state ordinances, and with any other prevailing rules and regulations.

Bally Refrigerated Boxes, Inc., is not responsible for furnishing items required by the regulations, unless specified or shown on the drawings or contained in the specifications.

4. Panels shall consist of interior and exterior metal skins precisely formed with steel dies and roll-form equipment and thoroughly checked with gauges for accuracy. The metal skins shall be placed into heated molds and liquid urethane injected between them. For extra rigidity, the exteriors of all vertical panels except corners and door panels shall have vertical grooves spaced on 5-3/4" centers. Urethane shall be foamed-in-place (poured, not frothed) and, when completely heat-cured, shall bind tenaciously to the metal skins to form an insulated panel. Panels shall contain 100 percent urethane insulation and have no internal wood or structural members between the skins. To insure tight joints, panel edges must have foamed-in-place tongues and grooves with a flexible vinyl gasket on the interior and exterior of all tongue edges. Gaskets shall be resistant to damage from oil,

fats, water and detergents and must be NSF-approved. Panel thickness: 4"_____ 5"_____ 6"_____

5. Exterior Finish
A. _____ Stucco-embossed Galvalume® steel
B. _____ Smooth galvanized steel with white polyester painted finish
C. _____ Stainless steel
D. _____ Stucco-embossed aluminum
E. _____ Stucco-embossed aluminum with white polyester painted finish
F. _____ Stucco-embossed galvanized steel with sand-tan polyester painted finish
G. _____ Stucco-embossed galvanized steel with white polyester painted finish
H. _____ Kynar over steel
I. _____ Sandex stone-textured finish over steel

6. Interior Finish
A. _____ Stucco-embossed Galvalume steel
B. _____ Smooth galvanized steel with white polyester painted finish
C. _____ Stainless steel
D. _____ Stucco-embossed aluminum
E. _____ Stucco-embossed aluminum with white polyester painted finish
F. _____ Stucco-embossed galvanized steel with sand-tan polyester painted finish
G. _____ Stucco-embossed galvanized steel with white polyester painted finish

7. All panels except corner panels shall be made in 23" and 46" widths, fully interchangeable for fast, easy assembly. Panels 11-1/2", 17-1/4" or 34-1/2" wide are to be furnished only if required to fit the allocated space. To assure perfect alignment and maximum strength, corner panels shall employ a right-angle configuration with exterior horizontal dimensions of 12" on each side. Vertical panels (except corner panels) shall be supplied in a single length up to 28' high (16' high for installations with aluminum or stainless steel finish). For outdoor applications, single-height panels greater than 19' (16' for aluminum) or multi-tiered vertical panels must be secured to horizontal girts mounted between building columns.

8. Panels shall be equipped with Bally Speed-lok diaphragmatic joining devices. The distance between locks shall not exceed 46". Each device shall consist of a cam-action, hooked locking arm placed in one panel, and a steel rod positioned in the adjoining panel, so that when the arm is rotated, the hook engages the rod and draws the panels tightly together with cam action. Arms and rods shall be housed in individual steel pockets. Pockets on one side of the panel shall be connected to pockets

SPECIFICATIONS — CONTINUED

on the other side in width, by the use of 2"-wide metal straps set into and completely surrounded by the insulation. When panels are joined together, these straps shall form lock-to-lock connections for extra strength.

9. **Floor Construction** — Bally furnishes floor panels only. All construction and preparation for Bally floor panels must be provided by others. Floor panel construction shall be similar to that described in sections 7 and 8 above, but with a heavier-gauge interior skin; thickness of floor panels may be different than that of vertical panels. 4"-thick floor panels can be NSF or non-NSF. 5"- and 6"-thick panels are non-NSF.

A. _____ Light-usage Floor — Floor panels shall be placed on a concrete pad and leveled. Where inside floor and outside platform must be level, the concrete pad shall be made with a depression deep enough to receive the Bally floor panels.

B. _____ Heavy-usage Floor — Floor panels shall be placed on a depressed concrete pad and leveled. After supporting steel is assembled, a 4" reinforced concrete wearing floor shall be poured. The depression shall be deep enough to make interior and exterior finished floors the same height.

C. _____ Built-in, Insulated Floor — The floor shall be constructed on the job site. It shall consist of a depressed, reinforced concrete sub-slab. Slab urethane shall be built into this depressed slab and tile floor or 4" reinforced concrete wearing floor installed on top. Wall panels shall be fastened to this floor. Adequate drainage and ventilation or other heat source must be provided beneath and around all construction.

Floor Panel Finishes
A. _____ 14 ga. galvanized steel
B. _____ 16 ga. stainless steel

Special Construction Floor Panels
A. _____ Reinforced Floor Panels — 4"-thick insulated floor panels contain non-conductive structural imbeds for maximum strength without freezing. Standard steel plate overlay adds strength. Panels support up to 1200 pounds per square foot (evenly distributed) and support pallet jacks or light forklifts with total weight of up to 2000 pounds per wheel (diamond plate overlay required).

10. Hinged Entrance Door Panels
Number of doors_____

Width and height of each door

_____

(Select dimensions from this list:)

Widths: 30" 36" 42" 48" 60"
Heights: 78" 84"

Number of doors, location and direction of swing is specified on the plans. Doors are infitting and flush-mounted.

Construction shall be as specified in 7.

Magnetic core, thermoplastic gaskets installed on the top edge and both sides of the door shall keep the door in a closed position, forming a tight seal; a flexible, dual-blade wiper gasket shall be installed at the bottom of the door. NSF-approved gaskets shall be replaceable and resistant to damage from oil, fats, water and detergent.

A heavy U-channel structural steel frame around the perimeter of the door opening shall prevent racking or twisting; steel frame is to be reinforced for hardware attachment.

Anti-condensate heater wire shall be concealed behind the metal edge of the door jambs. The door panel shall also include a vapor-proof interior lamp; junction box for 120v., 60 cycle, 1 phase, a.c. service (15 amp maximum); 2"-dia. flush-face dial thermometer (field mounted on 60" wide doors); and weather hoods for outdoor installations.

Hardware
A. _____ For doors with 30" or 36"-wide openings: two spring-loaded, self-closing hinges; cylinder latch with provision for padlocking and safety release mechanism; door closer.

B. _____ For doors with 42", 48" or 60"-wide openings: hinges are uplift type with blades not less than 9" long; latch shall include provision for padlocking and safety release mechanism.

Hardware Finishes
A. _____ For walk-ins finished with stainless steel — polished aluminum

B. _____ For walk-ins with finishes other than stainless steel — satin aluminum

C. _____ For walk-ins with any finish (if desired) — chrome-plated

Door Options
A. _____ Hinged Super Entrance Door — Construction is identical to that of a standard door except that a third hinge is added and the door and portion of door panel are protected by diamond-plate kick panels covering the bottom 32" on interior and exterior. Show number and size of super doors

_____

_____

(Check following options as desired.)

B. _____ Observation Window in Entrance Door — (a 14-1/2" x 24" heated observation window shall be

SPECIFICATIONS — CONTINUED

provided in the entrance door. It consists of three panes of glass with sealed air spaces between them. The window shall be supplied with heated glass and frame and unit shall be removable for replacement.)

C. _____ Mortise Lock — Heavy-duty, dead-bolt lock with full safety release capabilities. Mortise lock installations shall also be provided with stainless steel pins engaging the door frame on the hinged side.

D. _____ Strip Curtain — Sturdy, NSF-approved, clear-vinyl strip curtains shall permit easy passage while minimizing air infiltration.

11. Options — check as desired

A. _____ Pressure Relief Port (required for all freezers)

B. _____ Partition Walls — Insulated, 4"-thick metal-clad panels shall be provided to form separate compartments within the walk-in. A non-conductor strip must be built into all exterior panels at the joints where partitions butt to prevent transfer of heat from one compartment to another. Partition panels shall be Speed-Lok'ed to these panels. Construction shall be as specified in 7 above.

C. Roof Options — One of the following types must be used for any outdoor installation:

_____ Sectional prefab metal roof shall be used with structures installed outdoors on buildings of any length but not exceeding 34'7" in width. Roofs shall be made of stucco-embossed aluminum.

_____ Single-piece, presized membrane roof system; maximum dimensions: 34'7" x 34'7".

_____ Built-up type by others.

D. Alarm Systems

_____ Audio-Visual Alarm System

_____ Audio-Visual Alarm with digital temperature readout Hi set point only

_____ Audio-Visual Alarm with digital temperature readout Hi Low set point with dry contact

E. _____ Double-swing Cart Door

F. Reach-in Doors for Product Loading (insulated solid type)
Insert correct sizes: 18-1/2" x 30" or 30" x 30"
Single _____ Size _____
Double _____ Size _____

G. Glass Display Doors
Number _____ Size _____

H. Wire Shelving
Cantilevered _____ Freestanding _____
No. of tiers _____ Finish _____
Width _____

I. Other Options
_____
_____
_____
_____

12. Mechanical Refrigeration

_____ Hermetic
_____ Semi-hermetic
_____ Self-contained
_____ Preassembled remote
_____ Condensing unit:
Indoors _____ (or)
Outdoors _____
Horsepower_____
Voltage _____
Phase_____
Cycles _____
Low-ambient kit
(winter controls) _____

(For multi-compartment units, provide plan view with compartment temperatures.)

13. Warranties

Bally shall warrant that any part of the structure it supplies (except the refrigeration system and its related accessories) is free from defects in materials or workmanship under normal use and service. The insulated panel portion of the structure is warranted free from defects under normal use and service for a period of 10 years from date of installation (but in no event shall the warranty be in force for more than 10 years and 6 months from the date the product was first shipped by Bally). Panel surface condition is warranted free from defects under normal use and service for one year from installation, provided the panel is stored and installed according to Bally's instructions. Mechanical (including hardware, gasketing, Speed-lok assemblies, aluminum weather roofs) and electrical components, except refrigeration systems (which are covered by a separate warranty) are warranted to be free from defects under normal use and service for one year from date of installation. (In no case shall this portion of the warranty be in force for more than one year and six months from the date the product was first shipped by Bally.) The warranty shall not include any labor charges for replacement or repair of defective parts or refrigeration. Full warranty information is to be provided with the walk-in.

Refrigeration System +35°F - Coil

Mark # **802**

MANUFACTURER Bohn

MODEL # Per Plan

FEATURES
- Set to maintain +35°F in cooler section of cabinet.
- Assemble complete operating system per General Specifications.
- Building sleeves for installation of refrigerant lines shall be provided by G.C.

ELECTRICAL

CONNECTION JB	**VOLTS** 208	**PHASE** 1	**AMPS** 4.2
KW	**HP**	**ROUGH-IN HEIGHT** DFA +108"	
ROUGH-IN COMMENTS Vfy.			

PLUMBING

HW	**CW**	**WASTE** IW, 1", to FS
ROUGH-IN COMMENTS Coil		

GAS

GAS SIZE	**MBH**	**HEIGHT**
COMMENTS		

VENTILATION

CONNECTION TYPE	**CFM**	**STAT. PRESS.**
DUCT SIZE		**VENT HEIGHT**
COMMENTS		

Specifications

Model ADT Air Defrost | 60 Hz

Model	HP	Shaded Pole Motor				PSC, PSC-TE Motor						EC Motor			
		115/1/60		208-230/1/60		115/1/60		208-230/1/60		460/1/60		115/1/60		208-230/1/60	
		Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts
ADT040	1/15	1.8	116	1.0	122	1.0	82	0.5	91	0.4	117	0.9	57	0.5	59
ADT052	1/15	1.8	116	1.0	122	1.0	82	0.5	91	0.4	117	0.9	57	0.5	59
ADT065	1/15	1.8	116	1.0	122	1.0	82	0.5	91	0.4	117	0.9	57	0.5	59
ADT070	1/15	3.6	232	2.0	244	2.0	164	1.0	182	0.8	234	1.8	114	1.0	118
ADT090	1/15	3.6	232	2.0	244	2.0	164	1.0	182	0.8	234	1.8	114	1.0	118
ADT104	1/15	3.6	232	2.0	244	2.0	164	1.0	182	0.8	234	1.8	114	1.0	118
ADT120	1/15	3.6	232	2.0	244	2.0	164	1.0	182	0.8	234	1.8	114	1.0	118
ADT130	1/15	3.6	232	2.0	244	2.0	164	1.0	182	0.8	234	1.8	114	1.0	118
ADT140	1/15	5.4	348	3.0	366	3.0	246	1.5	273	1.2	351	2.7	171	1.5	177
ADT156	1/15	5.4	348	3.0	366	3.0	246	1.5	273	1.2	351	2.7	171	1.5	177
ADT180	1/15	5.4	348	3.0	366	3.0	246	1.5	273	1.2	351	2.7	171	1.5	177
ADT208	1/15	7.2	464	4.0	488	4.0	328	2.0	364	1.6	468	3.6	228	2.0	236
ADT260	1/15	9.0	580	5.0	610	5.0	410	2.5	455	2.0	585	4.5	285	2.5	295
ADT312	1/15	10.8	696	6.0	732	6.0	492	3.0	546	2.4	702	5.4	342	3.0	354
ADT370	1/15	10.8	696	6.0	732	6.0	492	3.0	546	2.4	702	5.4	342	3.0	354

Model ADT Air Defrost | 50 Hz

Model	HP	PSC Motor						EC Motor			
		110/1/50		220/1/50		380/1/50		110/1/50		220/1/50	
		Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts
ADT040	1/15	1.0	68	0.5	65	0.4	82	0.9	57	0.5	59
ADT052	1/15	1.0	68	0.5	65	0.4	82	0.9	57	0.5	59
ADT065	1/15	1.0	68	0.5	65	0.4	82	0.9	57	0.5	59
ADT070	1/15	2.0	136	1.0	130	0.8	164	1.8	114	1.0	118
ADT090	1/15	2.0	136	1.0	130	0.8	164	1.8	114	1.0	118
ADT104	1/15	2.0	136	1.0	130	0.8	164	1.8	114	1.0	118
ADT120	1/15	2.0	136	1.0	130	0.8	164	1.8	114	1.0	118
ADT130	1/15	2.0	136	1.0	130	0.8	164	1.8	114	1.0	118
ADT140	1/15	3.0	204	1.5	195	1.2	246	2.7	171	1.5	177
ADT156	1/15	3.0	204	1.5	195	1.2	246	2.7	171	1.5	177
ADT180	1/15	3.0	204	1.5	195	1.2	246	2.7	171	1.5	177
ADT208	1/15	4.0	272	2.0	260	1.6	328	3.6	228	2.0	236
ADT260	1/15	5.0	340	2.5	325	2.0	410	4.5	285	2.5	295
ADT312	1/15	6.0	408	3.0	390	2.4	492	5.4	342	3.0	354
ADT370	1/15	6.0	408	3.0	390	2.4	492	5.4	342	3.0	354

Performance Data

Model ADT Air Defrost | 60 Hz

Model	Capacity		Fan Data		
	10°F TD 25°F SST	6°C TD -4°C SST	No.	CFM	m³H
	BTUH	Watts			
ADT040	4,000	1,170	1	730	1,240
ADT052	5,200	1,520	1	700	1,189
ADT065	6,500	1,900	1	650	1,104
ADT070	7,000	2,050	2	1,460	2,481
ADT090	9,000	2,640	2	1,400	2,379
ADT104	10,400	3,050	2	1,400	2,379
ADT120	12,000	3,500	2	1,300	2,209
ADT130	13,000	3,810	2	1,300	2,209
ADT140	14,000	4,100	3	2,100	3,568
ADT156	15,600	4,570	3	2,100	3,568
ADT180	18,000	5,270	3	1,950	3,313
ADT208	20,800	6,100	4	2,800	4,758
ADT260	26,000	7,620	5	3,250	5,522
ADT312	31,200	9,140	6	3,900	6,627
ADT370	37,000	10,840	6	3,900	6,627

Model ADT Air Defrost | 50 Hz [†]

Model	Capacity		Fan Data		
	10°F TD 25°F SST	6°C TD -4°C SST	No.	CFM	m³H
	BTUH	Watts			
ADT040	3,800	1,112	1	670	1,117
ADT052	4,940	1,445	1	630	1,070
ADT065	6,175	1,807	1	586	995
ADT070	6,650	1,946	2	1,315	2,234
ADT090	8,550	2,502	2	1,260	2,142
ADT104	9,880	2,891	2	1,260	2,142
ADT120	11,400	3,335	2	1,170	1,989
ADT130	12,350	3,613	2	1,170	1,989
ADT140	13,300	3,891	3	1,891	3,213
ADT156	14,820	4,336	3	1,891	3,213
ADT180	17,100	5,003	3	1,756	2,984
ADT208	19,760	5,781	4	2,521	4,284
ADT260	24,700	7,226	5	2,927	4,973
ADT312	29,640	8,672	6	3,512	5,967
ADT370	35,150	10,284	6	3,512	5,967

[†] *For EC motors, use 60 Hz capacity and airflow values (Units with EC motors operating at 50 Hz will not see a reduction in performance due to the electronic control of the motor)*

Refrigeration System +35°F - Compressor

MANUFACTURER Copeland

MODEL # Per Plan

FEATURES - Build up condensing unit per General Specifications.
- Set to maintain +35°F in cooler section of cabinet.
- Assemble complete operating system per General Specifications.
- Building sleeves for installation of refrigerant lines shall be provided by G.C.
- Compressor remote location as specified by A/E; plan reference is schematic.

ELECTRICAL

CONNECTION	DISC	**VOLTS**	208	**PHASE**	1	**AMPS**	8.2
KW		**HP**		**ROUGH-IN HEIGHT**	Remote - Locate by A/E		
ROUGH-IN COMMENTS	Vfy.						

PLUMBING

HW		**CW**		**WASTE**	
ROUGH-IN COMMENTS					

GAS

GAS SIZE		**MBH**		**HEIGHT**	
COMMENTS					

VENTILATION

CONNECTION TYPE		**CFM**		**STAT. PRESS.**	
DUCT SIZE				**VENT HEIGHT**	
COMMENTS					

Copelametic

Air-Cooled Condensing Units
High/Medium Temp. Models R-22

Low Operating Cost
Durable Construction

E-Line

1/2 through 1 HP
Single Fan
Compact

D-Line

3/4 through 2 HP
Dual Fan
Low Height

Features/Options

Receiver
Fan Guard
BX Conduit
Pressure Switch
3 Service Valves

Copeland

MEDIUM   HIGH

Performance Data
Tentative

R-22 High & Medium Temperature Capacities (BTUH)

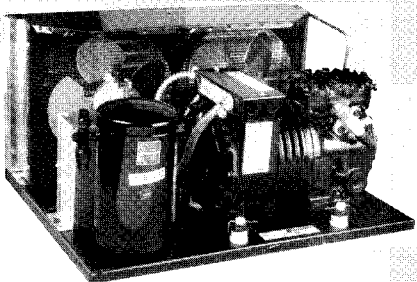| Ambient		Unit Model No.	H.P.	45°F 76.0#	40°F 68.5#	35°F 61.5#	30°F 54.9#	25°F 48.8#	20°F 43.0#	15°F 37.7#	10°F 32.9#	0°F 24.0#
90°F	E	E3AH-A050	½	5870	5400	4940	4510	4100	3700	3330	2980	
		E3AM-A050	½					4420	4010	3600	3220	2530
		E3AH-A075	¾	9100	8280	7500	6760	6060	5400	4770	4170	
		E3AM-A075	¾					7110	6410	5780	5210	4160
		E3AH-A100	1	11600	10700	9830	8960	8130	7320	6550	5820	
		E3AM-A100	1					9650	8750	7890	7070	5570
	D	D3AH-0075	¾	9750	8830	7960	7150	6380	5660	4990	4350	
		D3AM-0075	¾					7620	6780	6130	5590	4520
		D3AH-0100	1	12100	11100	10100	9140	8250	7420	6650	5920	
		D3AM-0100	1					9960	8980	8080	7250	5760
		D3AH-0150	1½	16500	15000	13700	12400	11200	10100	9000	8010	
		D3AH-0200	2	22900	20800	18800	16800	14900	13000	11200	9420	
		D3AM-0200	2					15400	13800	12600	11800	10000
		D3AM-0201	2					18100	16200	14700	13300	10600

Notes:

Capacities are rated at 65°F return gas and 5°F subcooling.

The unit model numbers above denote construction with fan guards and bx conduit. The second digit of the model number will change on units ordered without either.

Pressures are listed in PSIG (#) and reflect suction pressure at the compressor inlet. Temperatures shown are the corresponding saturation temperatures. Saturation conditions at the evaporator will be higher due to pressure drop in suction line.

Typical E-Line Unit

Typical D-Line Unit

Specifications/Electrical Data

Specifications

	Unit Model Number	Overall Dimensions (inches)			Liquid Line Valve (in.)	Suction Line Valve (in.)	Receiver Capacity 90% Full (Pounds)	Approx. Weight (Pounds)		Air Flow CFM	Compressor Model No.
		Length	Width	Height				Net	Ship		
E	E3AH-A050	19.5	14.5	12.0	1/4 FL	1/2 FL	2.5	109	124	331	HAG*-0050
	E3AM-A050	19.5	14.5	12.0	1/4 FL	1/2 FL	2.5	109	124	331	HAJ*-0050
	E3AH-A075	24.0	17.9	13.6	3/8 FL	5/8 FL	6.3	145	160	767	KAN*-0075
	E3AM-A075	24.0	17.9	13.6	3/8 FL	5/8 FL	6.3	145	160	767	KAE*-0075
	E3AH-A100	24.0	17.9	13.6	3/8 FL	5/8 FL	6.3	149	164	712	KAR*-0100
	E3AM-A100	24.0	17.9	13.6	3/8 FL	5/8 FL	6.3	149	164	712	KAM*-0100
D	D3AH-0075	19.5	22.5	11.4	3/8 FL	5/8 FL	6.3	122	141	445	KAN*-0075
	D3AM-0075	19.5	22.5	11.4	3/8 FL	5/8 FL	6.3	122	141	445	KAE*-0075
	D3AH-0100	19.0	25.5	13.3	3/8 FL	5/8 FL	6.3	127	146	763	KAR*-0100
	D3AM-0100	19.0	25.5	13.3	3/8 FL	5/8 FL	6.3	127	146	763	KAM*-0100
	D3AH-0150	24.5	31.6	14.9	3/8 FL	7/8 SWT	13.2	180	210	1196	KAG*-0150
	D3AH-0200	28.0	32.0	14.9	3/8 FL	7/8 SWT	13.2	260	290	1000	ERA*-0200
	D3AM-0200	28.0	32.0	14.9	3/8 FL	7/8 SWT	13.2	200	230	1000	KAK*-0200
	D3AM-0201	28.0	32.0	14.9	3/8 FL	7/8 SWT	13.2	260	290	1000	ERC*-0200

Electrical Data

	Unit Model Number	115-1-60			208-1-60			230-1-60			208/230-3-60			460-3-60		
		Elec. Code	M/C Amps	Max Fuse	Elec. Code	M/C Amps	Max Fuse	Elec. Code	M/C Amps	Max Fuse	Elec. Code	M/C Amps	Max. Fuse	Elec. Code	M/C Amps	Max Fuse
E	E3AH-A050	-CAA	11.9	15	-CAV	5.7	15	-CAV	5.7	15	-TAC	3.7	15			
	E3AM-A050	-CAA	11.7	15	-CAV	5.3	15	-CAV	5.3	15	-TAC	3.5	15			
	E3AH-A075	-CAA	16.6	25	-CAV	8.8	15	-CAV	8.8	15	-TAC	5.5	15			
	E3AM-A075	-CAA	15.6	20	-CAV	7.9	15	-CAV	7.9	15	-TAC	5.4	15			
	E3AH-A100	-CAA	21.3	30	-CAV	10.4	15	-CAV	10.4	15	-TAC	6.5	15	-TAD	3.4	15
	E3AM-A100	-CAA	21.4	30	-CAV	10.5	15	-CAV	10.5	15	-TAC	6.8	15	-TAD	3.5	15
D	D3AH-0075	-CAA	16.9	20	-CAV	9.1	15	-CAV	9.1	15	-TAC	5.8	15			
	D3AM-0075	-CAA	15.9	20	-CAV	8.2	15	-CAV	8.2	15	-TAC	6.7	15			
	D3AH-0100	-CAA	21.5	30	-CAV	10.7	15	-CAV	10.7	15	-TAC	6.8	15	-TAD	3.8	15
	D3AM-0100	-CAA	21.6	30	-CAV	11.7	15	-CAV	11.7	15	-TAC	8.0	15	-TAD	3.8	15
	D3AH-0150				-CAV	14.2	20	-CAV	14.2	20	-TAC	9.2	15	-TAD	4.6	15
	D3AH-0200							-CAB	15.3	20	-TAC	10.6	15	-TAD	5.9	15
	D3AM-0200				-CAV	15.6	20	-CAV	13.0	15	-TAC	10.8	15	-TAD	5.2	15
	D3AM-0201							-CAB	16.0	20	-TAC	10.8	15	-TAD	5.2	15

Pressure control (if supplied) with E-line units extends 2" beyond the base on ½ H.P. units. It is located on the crankcase end of the compressor.

"Elec" code is a part of the model number.

"M/C amps" is minimum circuit ampacity value developed for U.L. This value has a calculated safety factor and can be used for wire sizing.

For remote applications, additional receiver capacity may be necessary to assure adequate pumpdown capacity.

Amp data for CAV models is shown for the highest current condition which is at 208 volt.

All three phase models use single phase fan motors.

Operating voltage range . . . plus 10%, minus 10% including 208/230 volt (187 to 253 volt)

Contact Copeland for data on models rated for 50 hertz.

Keg Racks

MANUFACTURER Metro

MODEL #   SKR345DC

FEATURES   - Each rack capable of holding (4) kegs.

ELECTRICAL

CONNECTION	VOLTS	PHASE	AMPS
KW	HP	ROUGH-IN HEIGHT	
ROUGH-IN COMMENTS			

PLUMBING

HW	CW	WASTE
ROUGH-IN COMMENTS		

GAS

GAS SIZE	MBH	HEIGHT
COMMENTS		

VENTILATION

CONNECTION TYPE	CFM	STAT. PRESS.
DUCT SIZE	VENT HEIGHT	
COMMENTS		

Item # _____

Job _____

HD SUPER™
BEER KEG HANDLING RACKS

- **Holds Kegs, Half- and Quarter-Barrels and Cases:** Beer-keg handling racks are designed to make handling of kegs, half- and quarter-barrels and cases easier and more efficient.

- **Increase Storage Capacity:** These racks can double storage capacity without changing the size of the cooler by making use of "air rights" around the perimeter of the cooler, as well as in the interior.

- **Facilitate Inventory and Stock Rotation:** Beer-keg handling racks provide a neat, orderly way to store kegs for easier inventory and stock rotation.

- **Easier Access to Kegs:** By permitting neater, more orderly storage, these racks allow easier access to kegs for tapping/untapping, restocking, etc.

- **Increase Sales Potential:** By allowing for the storage of more inventory and the handling of more brands, sales potential is increased

- **Ideal for Series Hook-Ups:** Two or three kegs of the same brand can be tapped in a series.

- **Strong and Rugged:** Beer-keg handling racks are constructed of sturdy HD Super™ components, with $1^5/_8$" diameter posts and a patented split-sleeve assembly device. They're made to withstand the heavy load of full kegs and the repeated impact of being loaded and unloaded.

- **NSF Listed**

Style A
Model 2KR365DC

NSF

Style B
Model 3KR366FC

Style C
Model 2KR366MC

10.70

METRO®

InterMetro Industries Corporation
North Washington Street
Wilkes-Barre, PA 18705
www.metro.com

HD SUPER™
BEER-KEG HANDLING RACKS

METRO®

Additional Features

- **Style A:** Provides storage for kegs/barrels on two levels, utilizing either two dunnage shelves or the floor and one dunnage shelf.
- **Style B:** Provides storage for kegs/barrels and case beer on three levels, one dunnage and two solid shelves.
- **Style C:** Provides storage for kegs/barrels and case beer on three levels, utilizing the floor and one dunnage shelf for kegs/barrels and one solid shelf for cases.

All models which have upper level storage of kegs/barrels are provided with a retaining cable for safety.

All models are provided with 2^5/$_{16}$" diameter foot plates for stability and easy leveling. Optional 3^1/$_2$" diameter stainless steel foot plates are available as accessories.

Dimensions

Model	Style	Shelf Length (in.)	(mm)	Height (in.)	(mm)	Shelves*	Kegs/^{1}/$_2$-Barrel Storage Capacity	Approximate Packaged Weight (lbs.)	(kg)
2KR345DC	A	42	1060	56^1/$_8$	1425	2-D	4	118	54
2KR365DC	A	60	1525	56^1/$_8$	1425	2-D	6	147	64
KR345DC	A	42	1060	56^1/$_8$	1425	1-D	4	87	39
KR365DC	A	60	1525	56^1/$_8$	1425	1-D	6	104	47
3KR346FC	B	42	1060	64^1/$_8$	1630	1-D, 2-S	2	121	55
3KR366FC	B	60	1525	64^1/$_8$	1630	1-D, 2-S	3	151	68
2KR346MC	C	42	1060	64^1/$_8$	1630	1-D, 1-S	4	112	51
2KR366MC	C	60	1525	64^1/$_8$	1630	1-D, 1-S	6	137	62

*D= dunnage shelf; S= solid shelf; all shelves are 18" (455mm) wide.

Accessories

Units with standard foot plate adjacent to a wall should be secured with **Wall Mounting Brackets** which engage either the frame of a dunnage shelf or three-sided frame in any unit (as shown in photo).
Cat. No. 9984HZ

Units with standard foot plate adjacent to each other should be buttressed end-to-end or back-to-back by using **Post Clamps** to join paired posts.
Cat. No. 9994HZ

Freestanding units (not adjacent to a wall or to another unit) should be stabilized with accessory **3^1/$_2$" Foot Plates,** which provide a broader base for each post and are drilled for securing to the floor.
Cat. No. 9993HS

Shelving Unit

MANUFACTURER Metro

MODEL #   1836NK3

FEATURES   - (6) shelves.
                    - 74P posts.
                    - Locate bottom shelf +8" AFF and evenly space balance of shelves.

ELECTRICAL

CONNECTION	VOLTS	PHASE	AMPS
KW	HP	ROUGH-IN HEIGHT	
ROUGH-IN COMMENTS			

PLUMBING

HW	CW	WASTE
ROUGH-IN COMMENTS		

GAS

GAS SIZE	MBH	HEIGHT
COMMENTS		

VENTILATION

CONNECTION TYPE	CFM	STAT. PRESS.
DUCT SIZE		VENT HEIGHT
COMMENTS		

Item # _____

Job _____

SUPER ADJUSTABLE SUPER ERECTA SHELF®
WIRE SHELVING

Super Adjustable Super Erecta Wire Shelving is the most advanced and innovative wire storage system available. A unique Corner Release System and SiteSelect™ Posts make changing shelf levels fast and easy, without tools! And Super Adjustable Shelving works in conjunction with the entire Super Erecta System of shelves and accessories.

- **Easily Adjustable:** Unique Corner Release and SiteSelect Posts create a total system that offers "Tool-Free," fast adjustment at 1" (25mm) intervals along the entire height of the posts.

- **Easily Assembled:** The Corner Release System and SiteSelect Posts, combined with the original "bottom up" assembly process, creates a complete shelving system in minutes, without tools! SiteSelect Posts with the double-groove visual guide feature, have circular grooves at 1" (25mm) intervals and are numbered at 2" (50mm) intervals. Shelves simply seat into place using the Corner Release.

- **Unique Shelf Design:** The open wire design of these heavy-gauge shelves minimizes dust accumulation and allows a free circulation of air, greater visibility of stored items and greater light penetration. Shelf ribs run front to back allowing you to slide items on and off easily. Shelves can be loaded and unloaded from all sides. This open contruction allows use of maximum storage space of cube.

- **Unique Post Design:** New SiteSelect post design provides a visual guide for positioning and adjusting shelves, saving considerable time during assembly and adjustment. An easy-to-identify double groove, every 8" (203mm), offers a quick way to align all shelves. Bolt leveler on post bottom compensates for uneven surfaces.

- **Fast, Easy Reconfiguration:** Super Adjustable Super Erecta can change as quickly as your needs change. By using various accessories, hundreds of shelving configurations become possible.

- **Choice of Finishes:** Super Adjustable Super Erecta Wire Shelving is available in a variety of finishes: Super Erecta Brite and chrome-plated for dry storage, Metroseal 3™ with antimicrobial product protection, and stainless steel for corrosive environments, and a large array of designer colors (see Catalog Sheet 10.14A).

*MICROBAN and the MICROBAN symbol are registered trademarks of the Microban Products Company, Huntersville, NC.

Dry Storage – Chrome or Super Erecta Brite™

Corner Release System

Metroseal 3™ with *Microban® Antimicrobial Product Protection.

METRO®

InterMetro Industries Corporation
North Washington Street
Wilkes-Barre, PA 18705
www.metro.com

EMERSON™
Storage Solutions

Job _____

METRO ®

SUPER ADJUSTABLE SUPER ERECTA SHELF®
WIRE SHELVING

Dimensions

Super Adjustable Super Erecta Wire Shelving

Shelf Width/Length (in.)	(mm)	Approx. Pkd. Wt. (lbs.)	(kg)	Cat. No. Super Erecta Brite	Cat. No. Chrome	Cat. No. Metroseal 3	Cat. No. Stainless
18x24	457x610	7	3.2	A1824BR	A1824NC	A1824NK3	A1824NS
18x30	457x760	8	3.6	A1830BR	A1830NC	A1830NK3	A1830NS
18x36	457x914	9$^1/_2$	4.3	A1836BR	A1836NC	A1836NK3	A1836NS
18x42	457x1066	11	5.0	A1842BR	A1842NC	A1842NK3	A1842NS
18x48	457x1219	12	5.4	A1848BR	A1848NC	A1848NK3	A1848NS
18x54	457x1370	14$^1/_2$	6.6	A1854BR	A1854NC	A1854NK3	A1854NS
18x60	457x1524	17	7.7	A1860BR	A1860NC	A1860NK3	A1860NS
18x72	457x1825	20	9.1	A1872BR	A1872NC	A1872NK3	A1872NS
21x24	530x610	8	3.6	A2124BR	A2124NC	A2124NK3	A2124NS
21x30	530x760	9	4.1	A2130BR	A2130NC	A2130NK3	A2130NS
21x36	530x914	11	5.0	A2136BR	A2136NC	A2136NK3	A2136NS
21x42	530x1066	12	5.4	A2142BR	A2142NC	A2142NK3	A2142NS
21x48	530x1219	14	6.4	A2148BR	A2148NC	A2148NK3	A2148NS
21x54	530x1370	16	7.3	A2154BR	A2154NC	A2154NK3	A2154NS
21x60	530x1524	18	8.2	A2160BR	A2160NC	A2160NK3	A2160NS
21x72	530x1825	24	10.9	A2172BR	A2172NC	A2172NK3	A2172NS
24x24	610x610	9	4.1	A2424BR	A2424NC	A2424NK3	A2424NS
24x30	610x760	11	5.0	A2430BR	A2430NC	A2430NK3	A2430NS
24x36	610x914	13	5.9	A2436BR	A2436NC	A2436NK3	A2436NS
24x42	610x1066	15	6.8	A2442BR	A2442NC	A2442NK3	A2442NS
24x48	610x1219	16	7.3	A2448BR	A2448NC	A2448NK3	A2448NS
24x54	610x1370	18	8.6	A2454BR	A2454NC	A2454NK3	A2454NS
24x60	610x1524	21	9.5	A2460BR	A2460NC	A2460NK3	A2460NS
24x72	610x1825	26	11.8	A2472BR	A2472NC	A2472NK3	A2472NS

NOTE: For Metroseal 3 shelving information see sheet # 10.10A.

Sleeves/Wedges
Package of 4 per shelf.
Cat. No. A9985

SiteSelect™ Posts are grooved at 1" (25mm) increments and numbered at 2" (50mm) increments. Posts are double-grooved every 8" (203mm) for easy identification. Wedge Windows™ allow sight of post number for easy visual identification.

*MICROBAN® protects the Metroseal 3 coating from bacteria, mold, mildew and fungi that cause odors, stains and product degradation.

*MICROBAN and the MICROBAN symbol are registered trademarks of the Microban Products Company, Huntersville, NC.

SiteSelect™ Posts

Height* (in.)	(mm)	Approx. Pkd. Wt. (lbs.)	(kg)	Cat. No. Plated	Cat. No. Metroseal 3	Cat. No. Stainless
7$^1/_2$	191	$^1/_2$	0.3	7P		
14$^1/_2$	370	1	0.5	13P	13PK3	33PS
27$^1/_2$	700	1$^3/_4$	0.75	27P		27PS
34$^1/_2$	875	2	0.9	33P	33PK3	33PS
54$^9/_{16}$	1385	3	1.4	54P	54PK3	54PS
62$^9/_{16}$	1590	3$^1/_2$	1.6	63P	63PK3	63PS
74$^5/_8$	1895	4	1.8	74P	74PK3	74PS
86$^5/_8$	2200	5	2.3	86P	86PK3	86PS
96$^5/_8$	2454	5$^1/_2$	2.5	**96P		

 * Height includes leveling bolt and cap.

** 96P should not be used in units less than 24" (610mm) deep.
Consult Metro Engineering for alternate recommendations.

Post lengths to be specified as cut to a round number, ie: 74P cut to 69"...
This will result in an overall post height with adjustment of 69$^3/_8$ to 69$^7/_8$.

Important: When ordering by components remember that for maximum stability, units should be kept as wide and low as possible.

All Metro Catalog Sheets are available on our Web Site: **www.metro.com**

L02-006A
Printed in U.S.A. Rev. 1/03
Information and specifications are subject to change without notice. Please confirm at time of order.

CO2 Canister

Mark #   806

MANUFACTURER Generic

MODEL # Generic

FEATURES - Item by Vendor; NIC.

ELECTRICAL

CONNECTION	VOLTS	PHASE	AMPS
KW	HP	ROUGH-IN HEIGHT	
ROUGH-IN COMMENTS			

PLUMBING

HW	CW	WASTE
ROUGH-IN COMMENTS		

GAS

GAS SIZE	MBH	HEIGHT
COMMENTS		

VENTILATION

CONNECTION TYPE	CFM	STAT. PRESS.
DUCT SIZE		VENT HEIGHT
COMMENTS		

Beer System

MANUFACTURER Generic

MODEL #   Generic

FEATURES   - Item by Vendor; NIC.

ELECTRICAL

CONNECTION	JB	VOLTS	120	PHASE	1	AMPS	15.0
KW		HP		ROUGH-IN HEIGHT	+48"		
ROUGH-IN COMMENTS							

PLUMBING

HW		CW		WASTE	
ROUGH-IN COMMENTS	PVC to bar; vfy. size per line requirements				

GAS

GAS SIZE		MBH		HEIGHT	
COMMENTS					

VENTILATION

CONNECTION TYPE		CFM		STAT. PRESS.	
DUCT SIZE				VENT HEIGHT	
COMMENTS					

Soda System

MANUFACTURER Generic

MODEL # Generic

FEATURES - Item by Vendor; NIC.

ELECTRICAL

CONNECTION	DR	**VOLTS**	120	**PHASE**	1	**AMPS**	15.0
KW		**HP**		**ROUGH-IN HEIGHT**	+18"		

ROUGH-IN COMMENTS

PLUMBING

HW		**CW**	1/2", +18"	**WASTE**	

ROUGH-IN COMMENTS

GAS

GAS SIZE		**MBH**		**HEIGHT**	

COMMENTS

VENTILATION

CONNECTION TYPE		**CFM**		**STAT. PRESS.**	
DUCT SIZE				**VENT HEIGHT**	

COMMENTS

Hand Lavatory

MANUFACTURER Advance/Tabco

MODEL #   7-PS-80

FEATURES   - Wall-hung handsink with integral soap and towel dispenser.
                 - Left and right side SS splash guards.
                 - Deck-mount faucet with wrist-blade faucet handles.
                 - 2-1/2" positive drain with basket.
                 - Unit at dishwashing/pot washing area to include K-170 eyewash unit.

ELECTRICAL

CONNECTION	VOLTS	PHASE	AMPS
KW	HP	ROUGH-IN HEIGHT	
ROUGH-IN COMMENTS			

PLUMBING

HW	1/2", +24"	CW	1/2", +24"	WASTE	DW, 2" to 3" tight waste,
ROUGH-IN COMMENTS					

GAS

GAS SIZE	MBH	HEIGHT
COMMENTS		

VENTILATION

CONNECTION TYPE	CFM	STAT. PRESS.
DUCT SIZE		VENT HEIGHT
COMMENTS		

HAND SINKS ⓃⓈⒻ
TRADITIONAL

ADVANCE TABCO®
SMART FABRICATION™

*Item #:*_____

*Model #:*_____

*Project #:*_____

Keyhole Bracket for easier installation and greater stability.
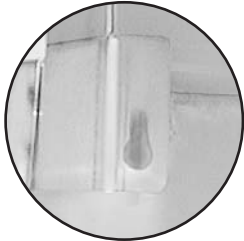
7-PS-50

Model #	Qty
7-PS-50	
7-PS-60	
7-PS-70	
7-PS-80	
7-PS-85	

7-PS-60

7-PS-85

7-PS-70

FEATURES:

One piece **Deep Drawn** sink bowl design.

All sink bowls have a large liberal radii with a minimum dimension of 2" and are rectangular in design for increased capacity.

CONSTRUCTION:

All TIG welded.

Welded areas blended to match adjacent surfaces and to a satin finish.

Die formed Countertop Edge with a 3/8" No-Drip offset.

One sheet of stainless steel is used. There are no welded seams other than corners.

MECHANICAL:

Faucet supply is 1/2" IPS male thread hot and cold.

K-59 splash mounted 4" O.C. gooseneck faucet chrome plated furnished with aerator.

K-6 stainless steel basket drain 1-1/2" IPS.

K-26 lever operated drain and built-in overflow with plastic overflow tube and spring clamps.

7-PS-14 P-Trap is 1 1/2" chrome plated.

7-PS-12 Soap Dispenser.

Towel dispenser with hinged towel box. Unit uses standard C-fold towels.

Sink bowl is 10" x 14" x 5".

MATERIAL:

Heavy gauge type 304 series stainless steel.

Wall mounting bracket is Galvanized and of offset design.

All fittings are brass / nickel plated unless otherwise indicated.

7-PS-80

ADVANCE TABCO®
SMART FABRICATION™

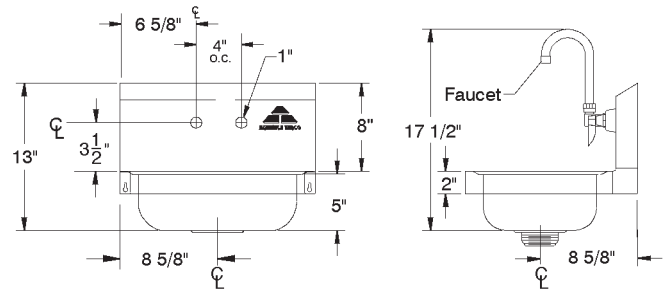| **NEW YORK**	**GEORGIA**	**TEXAS**	**NEVADA**
(800) 645-3166	(800) 832-1218	(800) 527-0353	(800) 446-8684
Fax: (631) 242-6900	Fax: (770) 775-5625	Fax: (972) 932-4795	Fax: (775) 972-1578

200 Heartland Boulevard, Edgewood, NY 11717-8380
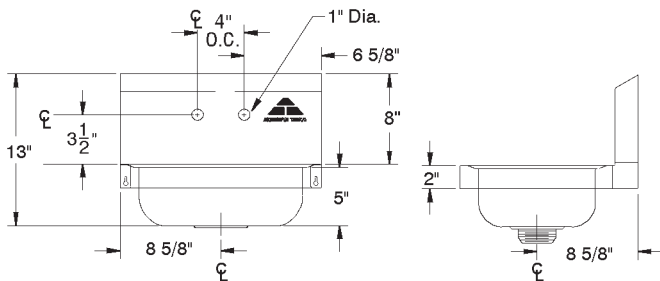e-mail: advancetabco@advancetabco.com   www.advancetabco.com   **A-1**

DETAILS and SPECIFICATIONS

7-PS-50

6 5/8"
4" O.C.
1" Dia.
Faucet
13"
3 1/2"
8"
5"
17 1/2"
2"
Lever Drain
P-Trap
8 5/8"
8 5/8"

7-PS-60

6 5/8"
4" o.c.
1"
Faucet
13"
3 1/2"
8"
5"
17 1/2"
2"
8 5/8"
8 5/8"

7-PS-70

4" O.C.
1" Dia.
6 5/8"
13"
3 1/2"
8"
5"
2"
8 5/8"
8 5/8"

7-PS-80

Towel Dispenser
Soap Dispenser
Faucet
25 1/2"
4"
8"
3 1/2"
5"
2"
8 5/8"
8 5/8"

7-PS-85

4"
20 1/2"
8"
3 1/2"
5"
Skirt
8 5/8"
Faucet
2"
Basket Drain
P-Trap
8 5/8"

TOP VIEW

17 1/4"
14"
2"
15 1/4"
10"
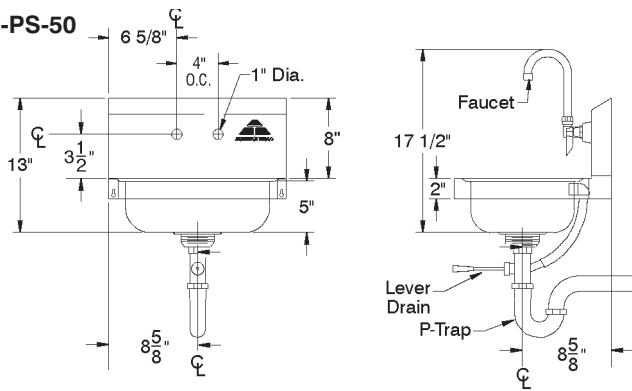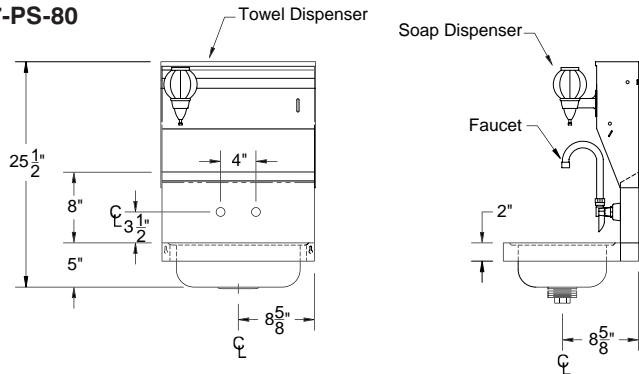
TOP VIEW WITH TOWEL DISPENSER

17 1/4"
14"
15 1/4"
10"
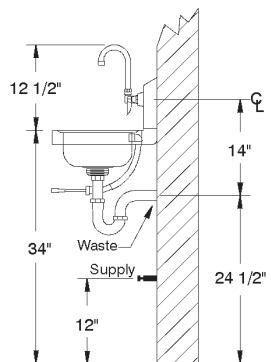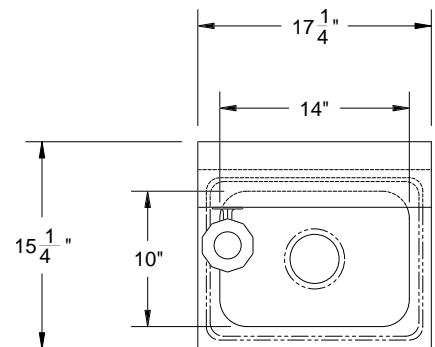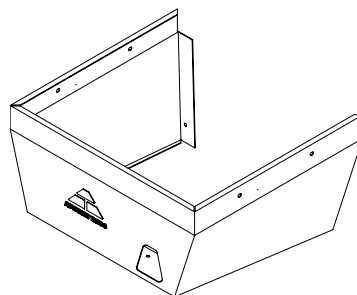
TOL ± .500"
ALL DIMENSIONS ARE TYPICAL

SUGGESTED PLUMBING

12 1/2"
14"
34"
Waste
Supply
24 1/2"
12"

SKIRT INSTALLATION

Garbage Cans

MANUFACTURER By Others

MODEL #   Generic

FEATURES   - Item by Operator, NIKEC.
                    - Recommended - Rubbermaid 3541 Slim Jim waste container or equivalent.

ELECTRICAL

CONNECTION	VOLTS	PHASE	AMPS
KW	HP	ROUGH-IN HEIGHT	
ROUGH-IN COMMENTS			

PLUMBING

HW	CW	WASTE
ROUGH-IN COMMENTS		

GAS

GAS SIZE	MBH	HEIGHT
COMMENTS		

VENTILATION

CONNECTION TYPE	CFM	STAT. PRESS.
DUCT SIZE		VENT HEIGHT
COMMENTS		

Slim Jim® Container

Combine efficiency and ease of handling with the 23 gallon Rubbermaid Slim Jim® Container, now available with optional handles. Positioned high on the container, the large handles are easy to grasp and help give improved leverage and control for lifting and emptying. For smaller volume requirements or where full container lifting weight is a concern, choose the 15.9 gallon Slim Jim® Container. Interchangeable, color-coded Recycling Tops fit both container sizes and help encourage effective waste separation. An innovative linking trolley system can be used to transport multiple Slim Jim® containers in one trip or individually as a dolly.

Make your operation productive and efficient with the Slim Jim® Containers, Tops and Trolley System – the strongest link in your waste separation program!

Containers come in two capacities for versatility to fit your needs.

Linking trolleys detach easily by pushing front toeplate.

Color-coded tops encourage effective separation of recyclable waste: blue top with slot for paper, green and brown tops with holes for bottles and cans, gray and yellow tops for general refuse.

2688-88

2692-88

2703-88

Large handles positioned high on the Slim Jim® container give leverage and control.

Durable, lightweight plastic construction provides long life without the weight, sharp edges and rusting common with some metal containers.

3554

3554

3554

Slim Jim® Container

Item No.	Description	Dimensions	Capacity	Polyliner Bags	Color	Pack
3540	Slim Jim® Container	20" l x 11" w x 30" h (50.8 cm x 27.9 cm x 76.2 cm)	23 U.S. gal. (87.1 L)	5009-88, 5074, 5084	Light Gray, Dark Blue, Brown, Beige	4
3541	Slim Jim® Container with Handles	23 1/8" l x 11" w x 24 7/8" h (58.7 cm x 27.9 cm x 63.2 cm)	15 7/8 U.S. gal. (60 L)	5009-88, 5074, 5084	Light Gray, Dark Blue, Beige	4
3554	Slim Jim® Container with Handles	20" l x 11" w x 30" h (50.8 cm x 27.9 cm x 76.2 cm)	23 U.S. gal. (87.1 L)	5009-88, 5074, 5084	Light Gray, Dark Blue, Brown, Beige	4
2673	Slim Jim® Untouchable® Top fits 3540, 3541, 3554 Containers	20 3/8" l x 11 3/8" w x 4 3/4" h (51.8 cm x 28.9 cm x 12.1 cm)			Dark Blue, Brown, Light Gray	4
2688-88	Slim Jim® Handle Top fits 3540, 3541, 3554 Containers	20 3/8" l x 11 5/16" w x 2 3/4" h (51.8 cm x 28.7 cm x 7 cm)			Light Gray, Yellow	4
2692-88	Slim Jim® Bottle & Can Recycling Top fits 3540, 3541, 3554 Containers	20 3/8" l x 11 5/16" w x 2 3/4" h (51.8 cm x 28.7 cm x 7 cm)			Brown, Green	4
2703-88	Slim Jim® Paper Recycling Top fits 3540, 3541, 3554 Containers	20 3/8" l x 11 5/16" w x 2 3/4" h (51.8 cm x 28.7 cm x 7 cm)			Dark Blue	4
3551	Slim Jim® Trolley accommodates 3540, 3541, 3554 Containers	23 7/16" l x 15" w x 10 13/16" h (59.5 cm x 38.1 cm x 27.5 cm)			Gray	2

Rubbermaid®

Commercial Products

Durable, heavy-duty containers for a variety of uses.

- All-plastic, professional-grade construction will not rust, chip or peel; resists dents.
- Strong, snap-on lids are available for secure, stable stacking.
- Reinforced rims add strength and durability.
- Built-in handles allow easy, non-slip lifting and anti-jam nesting.
- Double-ribbed base increases stability and dragging capacity.
- Gray, White and Yellow are USDA Meat & Poultry Equipment Group Listed and assist in complying with HACCP guidelines.
- Certified to NSF Standard #2 (gray, white and yellow) and Standard #21(all colors)
- Custom imprinting available; contact Rubbermaid Customer Service at (800) 347-9800 for details.
- 2637-88 is California State Fire Marshal (CSFM) approved for fire safety when used with 2632.

2632 BRUTE® Container without Lid

SPECIFICATIONS

	U.S.	Metric
Diameter:	22 in	55.9 cm
Height:	27 1/4 in	69.2 cm
Volume Capacity [Nom]:	32 gal	121.1 L
Volume Capacity [Max]:		
Volume Capacity [Min]:		
Carton Height:		
Carton Length:		
Carton Width:		
Mass Capacity [Nom]:		
Mass Capacity [Max]:		
Carton Cube:	18.67 ft3	0.53 m3
Ship Weight/Carton:	49.45 lb	22.43 kg
Pack Quantity:		6
Cartons Per Pallet:		4

AVAILABLE COLORS

Order #	Color	Product UPC/ UCC Code
FG263200 YEL	YEL	086876014150 / 10086876014157
FG263200 WHT	WHT	086876014136 / 10086876014133
FG263200 RED	RED	086876014112 / 10086876014119
FG263200 GRAY	GRAY	086876014679 / 10086876014676
FG263200DGRN	DGRN	086876179026 / 10086876179023
FG263200 BLUE	BLUE	086876047493 / 10086876047490

Yellow
YEL

White
WHT

Red
RED

Gray
GRAY

Dark Green
DGRN

Blue
BLUE

HOME OFFICE

Rubbermaid Commercial Products LLC
3124 Valley Avenue
Winchester, VA 22601
U.S.A.
Phone: 540.667.8700
Fax: 540.542.8770

Locked Liquor Cabinet

Mark # **811**

MANUFACTURER Metro

MODEL # SEC53S-SC

FEATURES
- Provide with casters, two on front locking.
- Provide two (2) extra intermediate shelves.
- Lock by Operator; NIKEC.

ELECTRICAL

CONNECTION	VOLTS	PHASE	AMPS
KW	HP	ROUGH-IN HEIGHT	
ROUGH-IN COMMENTS			

PLUMBING

HW	CW	WASTE
ROUGH-IN COMMENTS		

GAS

GAS SIZE	MBH	HEIGHT
COMMENTS		

VENTILATION

CONNECTION TYPE	CFM	STAT. PRESS.
DUCT SIZE		VENT HEIGHT
COMMENTS		

Item # _____

Job _____

SECURITY UNITS
Features:

- **Safe Storage:** Protects valuable materials and sensitive items from loss or pilferage.
- **Microban® Antimicrobial Product Protection*:** Metroseal 3 and MetroMax Q models feature Microban Antimicrobial Product Protection, designed to stay "cleaner between cleanings."
- **Ready View of Contents:** Heavy-gauge open wire construction keeps the entire contents of the truck visible at all times, making it easy to check inventory.
- **Adjustable, Optional Intermediate Shelves:** Patented, easily adjustable shelf designs — Super Adjustable Super Erecta, MetroMax Q, and qwikSLOT — allow flexibility to meet changing needs. Can be positioned in 1" (25 mm) increments along the entire height of post.
- **Patented, Ergonomic, $\frac{1}{4}$-Turn Door Handle:** Makes opening and closing the unit easier than conventional security unit designs.
- **Double Door:** Each door opens 270 degrees and can be secured along the sides of the unit.
- **Time Saving Assembly:** Metro security units assemble quickly — right out of the box.
- **Shipped Knocked-Down:** Saves on freight costs. Easily assembled.

Choose from Stationary or Mobile Standard and Heavy-Duty Configurations:

- **Safe Transportation:** Mobile, security trucks provide the advantage of quick, protective transportation.
- **Easy Cleaning of Storage Areas:** Mobile units move easily from walls to allow thorough cleaning of floors and walls.
- **Mobile Units:** Available in Standard and Heavy-Duty models Heavy-Duty units offer increased rigidity and durability for applications such as crossing thresholds.
- **Stationary Units:** Posts have leveling feet to compensate for uneven surfaces.

Super Erecta Shelf (HD Mobile) with optional Super Adjustable Super Erecta® Intermediate shelves
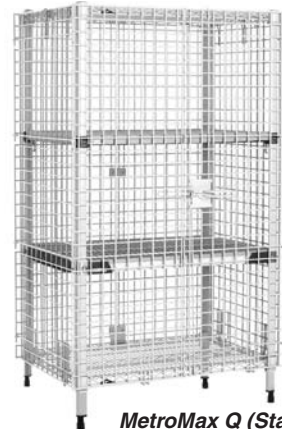
MetroMax Q (Stationary) with optional Intermediate shelves

qwikSLOT (Mobile) with optional Intermediate shelves

Handle (open position)

Handle (closed position)

*MICROBAN® and the MICROBAN® symbol are registered trademarks of the Microban Products Company, Huntersville, NC.

InterMetro Industries Corporation
North Washington Street
Wilkes-Barre, PA 18705
www.metro.com

EMERSON™

Specifications

Super Erecta Shelf Stationary Security

Model No. Chrome	Model No. Metroseal 3	Model No. Stainless Steel	Width (in.)	(mm)	Length (in.)	(mm)	Height (in.)	(mm)	Fits Shelf (in.)	(mm)	Approx. Pkd. Wt. (lbs.)	(kg)
SEC33C	SEC33K3	SEC33S	21^1/$_2$	546	38^1/$_2$	980	66^{13}/$_{16}$	1695	18x36	457x914	138	63
SEC35C	SEC35K3	SEC35S	21^1/$_2$	546	50^1/$_2$	1295	66^{13}/$_{16}$	1695	18x48	457x1219	157	71
SEC53C	SEC53K3	SEC53S	27^1/$_4$	692	38^1/$_2$	980	66^{13}/$_{16}$	1695	24x36	610x914	154	70
SEC55C	SEC55K3	SEC55S	27^1/$_4$	692	50^1/$_2$	1295	66^{13}/$_{16}$	1695	24x48	610x1219	174	79
SEC56C	SEC56K3	SEC56S	27^1/$_4$	692	62^1/$_2$	1587	66^{13}/$_{16}$	1695	24x60	610x1524	195	89
SEC63C		SEC63S	33^1/$_2$	851	38^1/$_2$	980	66^{13}/$_{16}$	1695	30x36	760x914	167	76
SEC65C		SEC65S	33^1/$_2$	851	50^1/$_2$	1295	66^{13}/$_{16}$	1695	30x48	760x1219	193	88
SEC66C		SEC66S	33^1/$_2$	851	62^1/$_2$	1587	66^{13}/$_{16}$	1695	30x60	760x1524	215	98

Super Erecta Shelf Mobile Security

Standard-Duty Stem Caster Models: feature 5" (127mm) swivel casters. Please note model numbers for specific caster types.

Model No. Chrome	Model No. Metroseal 3	Caster Type	Width (in.)	(mm)	Length (in.)	(mm)	Height (in.)	(mm)	Fits Shelf (in.)	(mm)	Approx. Pkd. Wt. (lbs.)	(kg)
SEC33EC	SEC33EK3	(2) 5MP/(2) 5MPB	21^1/$_2$	546	40^3/$_4$	1035	68^1/$_2$	1740	18x36	457x914	146	66
SEC35EC	SEC35EK3	(2) 5MP/(2) 5MPB	21^1/$_2$	546	52^3/$_4$	1340	68^1/$_2$	1740	18x48	457x1219	165	75
SEC53DC	SEC53DK3	(4) 5MP	27^1/$_4$	692	40^3/$_4$	1035	68^1/$_2$	1740	24x36	610x914	162	74
SEC55DC	SEC55DK3	(4) 5MP	27^1/$_4$	692	52^3/$_4$	1340	68^1/$_2$	1740	24x48	610x1219	182	83
SEC56DC	SEC56DK3	(4) 5MP	27^1/$_4$	692	65	1651	68^1/$_2$	1740	24x60	610x1524	203	92
SEC53EC	SEC53EK3	(2) 5MP/5MPB	27^1/$_4$	692	40^3/$_4$	1035	68^1/$_2$	1740	24x36	610x914	162	74
SEC55EC	SEC55EK3	(2) 5MP/5MPB	27^1/$_4$	692	52^3/$_4$	1340	68^1/$_2$	1740	24x48	610x1219	182	83
SEC56EC	SEC56EK3	(2) 5MP/5MPB	27^1/$_4$	692	65	1651	68^1/$_2$	1740	24x60	610x1524	203	92
	SEC53VK3	(2) 5PC/5PCB	27^1/$_4$	692	40^3/$_4$	1035	68^1/$_2$	1740	24x36	610x914	162	74
	SEC55VK3	(2) 5PC/5PCB	27^1/$_4$	692	52^3/$_4$	1340	68^1/$_2$	1740	24x48	610x1219	182	83
	SEC56VK3	(2) 5PC/5PCB	27^1/$_4$	692	65	1651	68^1/$_2$	1740	24x60	610x1524	203	92
SEC63EC		(2) 5MP/(2) 5MPB	33^1/$_2$	851	40^3/$_4$	1035	68^1/$_2$	1740	30x36	760x914	175	80
SEC65EC		(2) 5MP/(2) 5MPB	33^1/$_2$	851	52^3/$_4$	1340	68^1/$_2$	1740	30x48	760x1219	202	92
SEC66EC		(2) 5MP/(2) 5MPB	33^1/$_2$	851	65	1651	68^1/$_2$	1740	30x60	760x1524	223	101

Casters: 5MP and 5MPB (with locking brake) feature a polyurethane tread.
5PC and 5PCB (with locking brake) castes feature a polymer horn and resist rusting. They are recommended for high-moisture environments.

Heavy-Duty Models: feature aluminum dollies with wraparound bumpers and 5" (127mm) diameter casters.

Model No. Chrome	Model No. Metroseal 3	Caster Type	Width (in.)	(mm)	Length (in.)	(mm)	Height (in.)	(mm)	Fits Shelf (in.)	(mm)	Approx. Pkd. Wt. (lbs.)	(kg)
SEC53LC	SEC53LK3	(2) B5P/B5PB	28^1/$_{16}$	713	38^1/$_2$	980	68^1/$_2$	1740	24x36	610x914	187	85
SEC55LC	SEC55LK3	(2) B5P/B5PB	28^1/$_{16}$	713	50^1/$_2$	1285	68^1/$_2$	1740	24x48	610x1219	210	95
SEC56LC	SEC56LK3	(2) B5P/B5PB	28^1/$_{16}$	713	63^1/$_8$	1600	68^1/$_2$	1740	24x60	610x1524	235	107

Stainless Steel: Casters must be ordered separately on "-SD" models. Dollies and casters must be ordered separately on "-HD" models.

Model No.	Description	Width (in.)	(mm)	Length (in.)	(mm)	Height (in.)	(mm)	Fits Shelf (in.)	(mm)	Approx. Pkd. Wt. (lbs.)	(kg)
SEC33S-SD	Standard Duty	21^1/$_2$	546	40^3/$_4$	1035	62	1575	18x36	457x914	138	63
SEC35S-SD	Standard Duty	21^1/$_2$	546	52^3/$_4$	1340	62	1575	18x48	457x1219	157	71
SEC53S-SD	Standard Duty	27^1/$_4$	692	40^3/$_4$	1035	62	1575	24x36	610x914	154	70
SEC55S-SD	Standard Duty	27^1/$_4$	692	52^3/$_4$	1340	62	1575	24x48	610x1219	174	79
SEC56S-SD	Standard Duty	27^1/$_4$	692	65	1651	62	1575	24x60	610x1524	195	89
SEC63S-SD	Standard Duty	33^1/$_2$	851	40^3/$_4$	1035	62	1575	30x36	760x914	167	76
SEC65S-SD	Standard Duty	33^1/$_2$	851	52^3/$_4$	1340	62	1575	30x48	760x1219	193	88
SEC66S-SD	Standard Duty	33^1/$_2$	851	65	1651	62	1575	30x60	760x1524	215	98
SEC53S-HD	Heavy Duty	28^1/$_{16}$	713	38^1/$_2$	980	62	1575	24x36	610x914	154	70
SEC55S-HD	Heavy Duty	28^1/$_{16}$	713	50^1/$_2$	1285	62	1575	24x48	610x1219	174	79
SEC56S-HD	Heavy Duty	28^1/$_{16}$	713	63^1/$_8$	1600	62	1575	24x60	610x1524	195	89

NOTE: Given height is for unit without dolly or casters (depending on model chosen). For approximate overall unit height add chosen caster diameter plus 1" (25mm).
CAUTION: Large casters can create a tipping hazard. On 18" (457mm) security units, do not use casters larger than 5" (127mm) in diameter.

Intermediate Super Adjustable Shelves for Super Erecta Shelf Security Units

Model No. Chrome	Model No. Metroseal 3	Model No. Stainless Steel	Width (in.)	(mm)	Length (in.)	(mm)	Approx. Pkd. Wt. (lbs.)	(kg)
A1836NC	A1836NK3	A1836NS	18	457	36	914	9^1/$_2$	4.3
A1848NC	A1848NK3	A1848NS	18	457	48	1219	12	5.4
A2436NC	A2436NK3	A2436NS	24	610	36	914	13	6
A2448NC	A2448NK3	A2448NS	24	610	48	1219	16	7
A2460NC	A2460NK3	A2460NS	24	610	60	1524	21	9.5
A3036NC		A3036NS	30	760	36	914	15	6.8
A3048NC		A3048NS	30	760	48	1219	21	9.5
A3060NC		A3060NS	30	760	60	1524	26^1/$_2$	11.8

NOTE: Standard Super Erecta shelves can also be used as intermediate shelves. Refer to catalog sheet 10.01 for more information.

Water Filter - Ice Maker

Mark #   **812**

MANUFACTURER Everpure

MODEL #   Insurice 9324-01

FEATURES   - (2) extra Everpure cartridges.

ELECTRICAL

CONNECTION	VOLTS	PHASE	AMPS
KW	HP	ROUGH-IN HEIGHT	
ROUGH-IN COMMENTS			

PLUMBING

HW	CW	1/2", +48"	WASTE
ROUGH-IN COMMENTS	Extend to ice maker, Mark 709		

GAS

GAS SIZE	MBH	HEIGHT
COMMENTS		

VENTILATION

CONNECTION TYPE	CFM	STAT. PRESS.
DUCT SIZE	VENT HEIGHT	
COMMENTS		

EVERPURE

Insurice Single-I 2000 System

Delivers premium quality water for ice applications

Insurice Single-I 2000 System: EV9324-01

I 2000 Replacement Cartridge: EV9612-21

BENEFITS

Reduces water-related ice machine problems caused by scale build-up from dirt and dissolved minerals

Reduces chlorine taste and odor and other offensive contaminants

Self-contained scale inhibitor feed keeps ice machines functioning at full capacity

Reduces maintenance and service costs by reducing scale and clogging of distribution lines, evaporator plate and pump

Precoat submicron technology reduces dirt and particles as small as 1/2 micron in size

Reduces possible health contaminants such as asbestos fibers and Cryptosporidium and Giardia cysts

Sanitary cartridge replacement is simple, quick and clean. Internal filter parts are never exposed to handling or contamination

NSF Certified under NSF/ANSI Standards 42 and 53

INSTALLATION TIPS

Choose a mounting location suitable to support the full weight of the system when operating

Never use saddle valve for connection

Use 3/8" water line

Do not connect system to water-cooled condenser

Install vertically with cartridges hanging down and allow 2-1/2" clearance below the cartridge for easy cartridge replacement

Flush cartridges by running water through system for five minutes at full flow

OPERATION TIPS

Change cartridges on a regular 6 month preventative maintenance program

Change cartridges when capacity is reached or when pressure falls below 10 psi

Service flow rate must not exceed 1.67 gpm

Always flush the filter cartridge at time of installation and cartridge change

APPLICATION/SIZING

For ice machine applications

Most cubers up to 750 lbs./day

Most flakers up to 1,500 lbs./day

Insurice Single-I 2000 System

Overall Dimensions:
29"H x 7"W x 7"D

Inlet connection: 3/8"

Outlet connection: 3/8"

Service Flow Rate:
Maximum 1.67 gpm (6.3 Lpm)

Pressure Requirements:
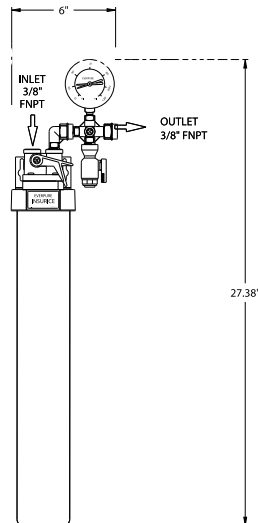10 - 125 psi (0.7 – 8.6 bar), non-shock

Temperature: 35 - 100°F (2 - 38°C)

No electrical connection required

Shipping Weight: 6 lbs.

Operating Weight: 9 lbs.

The contaminants or other substances removed or reduced by this drinking water system are not necessarily in your water. Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used with disinfected water that may contain filterable cysts.

6"

INLET
3/8"
FNPT

OUTLET
3/8" FNPT

27.38"

WARRANTY

Everpure water treatment systems (excluding replaceable elements) are covered by a limited warranty against defects in material and workmanship for a period of five years after date of purchase. Everpure replaceable elements (filter cartridges and water treatment cartridges) are covered by a limited warranty against defects in material and workmanship for a period of one year after date of purchase. See printed warranty for details. Everpure will provide a copy of the warranty upon request.

INDEPENDENTLY
NSF
CERTIFIED

System Tested and Certified by NSF International against NSF/ANSI Standard 42 and 53 for the reduction of:

Standard No. 42: Aesthetic Effects
    Chemical Unit
        Taste and Odor Reduction
        Chlorine Reduction
    Mechanical Filtration Unit
        Particulate Reduction, Class I:
        99.9+% reduction of particles
        one-half micron and larger in size
Standard No. 53: Health Effects
    Mechanical Filtration Unit
        Turbidity Reduction
        Cyst Reduction
        Asbestos Reduction

Ice Maker

MANUFACTURER Manitowoc

MODEL #   IY-0454A

FEATURES   - Manufacturer's standard air-cooled unit.
                   - Mount on B400 standard ice bin with legs.
                   - Provide with Everpure Insurice water filter, Mark 708.
                   - Energy Star rated.

ELECTRICAL

CONNECTION JB	**VOLTS** 120	**PHASE** 1	**AMPS** 13.2
KW	**HP**	**ROUGH-IN HEIGHT** +54"	
ROUGH-IN COMMENTS			

PLUMBING

HW	**CW** 1/2", POC	**WASTE** IW, 1", to FS
ROUGH-IN COMMENTS Water from filter, Mark 708		

GAS

GAS SIZE	**MBH**	**HEIGHT**
COMMENTS		

VENTILATION

CONNECTION TYPE	**CFM**	**STAT. PRESS.**
DUCT SIZE		**VENT HEIGHT**
COMMENTS		

Indigo™ Series 450 Ice Cube Machine

Model: ☐ ID-0452A   ☐ IY-0454A   ☐ ID-0453W   ☐ IY-0455W

ENERGY STAR PARTNER

Indigo Series i-450
Ice Machine on B-400 Bin

Designed for operators who know that ice is critical to their business, the Indigo™ Series ice machine's preventative diagnostics continually monitor itself for reliable ice production. Improvements in cleanability and programmability make your ice machine easy to own and less expensive to operate.

- **Space-Saving Design** – Up to 450 lbs. (204 kgs.) daily ice production and only 30" (76.20 cm) wide.

- **Intelligent Diagnostics** – provide 24 hour preventative maintenance and diagnostic feedback for trouble free operation.

- **Acoustical Ice Sensing Probe** – for reliable operation in challenging water conditions.

- **EasyRead Display** – communicates operating status, cleaning reminders, and asset information through a blue illuminated display.

- **Programmable Ice Production** – by On/Off Time, Ice Volume or Bin Level (with accessory bin level control) further improves energy efficiency and savings.

- **Easy to Clean Foodzone** – Hinged front door swings out for easy access. Removable water-trough, distribution tube, curtain, and sensing probes for fast and efficient cleaning. Select components made with AlphaSan® antimicrobial.

- **DuraTech™ Exterior** – provides superior corrosion resistance. Stainless finish with innovative clear-coat resists fingerprints and dirt.

- Available **LuminIce™ Growth Inhibitor** controls the growth of bacteria and yeast within the foodzone.

Ice Machine Electric

115/60/1 standard.
(208-230/60/1 and 230/50/1 also available)

Minimum circuit ampacity:
Air-cooled: 13.2
Water-cooled: 12.5

Maximum fuse size:
20 amps *1ph*

Specifications

BTU Per Hour:
5,400 (average) 6,300 (peak)

Refrigerant:
R-404A CFC-free

Operating Limits:
- Ambient Temperature Range: 35˚ to 110˚F (1.7˚ to 43.3˚C)
  Water Temperature Range: 35˚ to 90˚F (1.7˚ to 32.2˚C)
- Water Pressure Ice Maker Water In:
  Min. 20 psi (137.9 kPA)
  Max. 80 psi (551.1 kPA)

COMMERCIAL WARRANTY

ICE MAKER	EVAPORATOR	COMPRESSOR
3 YEAR PARTS AND LABOR	**5** YEAR	**5** YEAR PARTS 3 YEAR LABOR

Ice Shape

Half Dice
⅜" x 1⅛" x ⅞"
(.95 x 2.86 x 2.22 cm)

Dice
⅞" x ⅞" x ⅞"
(2.22 x 2.22 x 2.22 cm)

CALIFORNIA LOW LEAD QUALIFIED
Conforms to NSF 61 Annex G

AHRI CERTIFIED
www.ahridirectory.org

NSF

c UL US LISTED

CE

AutoQuotes

COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV
= ISO 9001:2008 =

i-450 on B-400 Storage Bin

24.50" (62.23 cm)

21.50" (54.6 cm)

32.00" (81.30 cm)

6.00" (15.24 cm)

Installation Note
Minimum installation clearance:

Top/sides: 8" (20.32 cm);
Back is 5" (12.7 cm)

34.00" (86.30 cm)

30.00" (76.20 cm)
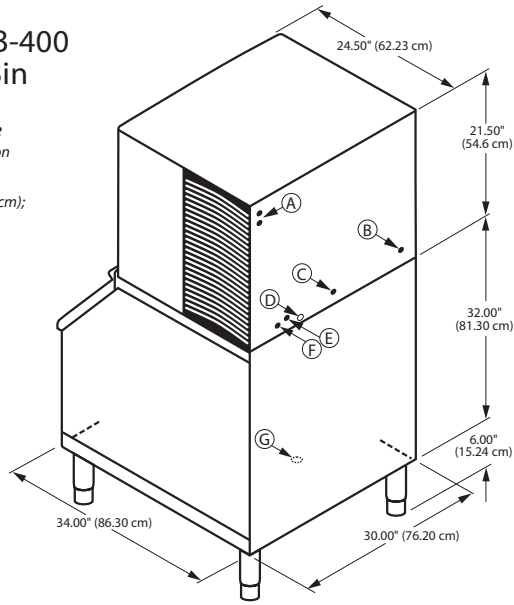
Ⓐ Electrical Entrance (2) Options
Ⓑ 3/8" (0.95 cm) F.P.T. Water Condenser Inlet (water-cooled units)
Ⓒ 1/2" (1.27 cm) F.P.T. Water Condenser Outlet (water-cooled units)
Ⓓ 1/2" (1.27 cm) Auxillary Base Drain Socket
Ⓔ 3/8" (0.95 cm) F.P.T. Ice Making Water Inlet
Ⓕ 1/2" (1.27 cm) F.P.T. Ice Making Water Drain
Ⓖ 3/4" (1.91 cm) Bin Drain

Space-Saving Designs

	i-450 B-400	i-450 B-570
Height	59.50" 151.13 cm	71.50" 181.61 cm
Width	30.00" 76.20 cm	30.00" 76.20 cm
Depth	34.00" 86.30 cm	34.00" 86.30 cm
Bin Storage	290 lbs. 131.7 kgs.	430 lbs. 195.2 kgs.

Height includes adjustable bin legs 6.00" to 8.00", (15.24 to 20.32 cm) set at 6.00" (15.24 cm).

Specifications

	Model	Ice Shape	Ice Production 24 Hours		Power Usage kWh/100 lbs. @90°Air/70°F	Water Usage/ 100 lbs. 45.4 kgs. of Ice	ENERGY STAR®
			70°Air/ 50°F Water	90°Air/ 70°F Water	1 Ph	Potable Water	
AIR-COOLED	ID-0452A	dice	420 lbs.	316 lbs	6.36	20 Gal.	★
			191 kgs.	143 kg		75.7 L	
	IY-0454A	half-dice	450 lbs.	335 lbs	5.97	20 Gal.	★
			204 kgs.	152 kg		75.7 L	
WATER-COOLED	ID-0453W	dice	430 lbs.	360 lbs	4.70	20 Gal.	NA
			195 kgs.	163 kg		75.7 L	
	IY-0455W	half-dice	450 lbs.	360 lbs	4.70	20 Gal.	NA
			204 kgs.	163 kg		75.7 L	

* Water-cooled Condenser Water Usage / 100 lbs. /45.4 kgs. Of Ice: 169 gal./640 L.
* Water-cooled models are excluded from ENERGY STAR qualification.

Order ice storage bin separately.

Accessories

LuminIce™ Growth Inhibitor reduces yeast and bacteria growth for a cleaner ice machine.

Bin Level Control Allows ice bin level to be automatically set. Built-in LED light illuminates bin.

Arctic Pure® Water Filters Reduces sediment and chlorine odors for better tasting ice.

iAuCS® schedules and performs routine ice machine cleaning automatically.

2110 South 26th Street
PO Box 1720
Manitowoc, WI 54221-1720 USA

Tel: 1.920.682.0161
Fax: 1.920.683.7589
www.manitowocice.com

Manitowoc®

Ice Bin

MANUFACTURER Manitowoc

MODEL #   B400

FEATURES   - Standard ice bin with legs.
                  - Mount ice maker, Mark 813, on top.

ELECTRICAL

CONNECTION	VOLTS	PHASE	AMPS
KW	HP	ROUGH-IN HEIGHT	
ROUGH-IN COMMENTS			

PLUMBING

HW	CW	WASTE	IW, 1", to FS
ROUGH-IN COMMENTS			

GAS

GAS SIZE	MBH	HEIGHT
COMMENTS		

VENTILATION

CONNECTION TYPE	CFM	STAT. PRESS.
DUCT SIZE		VENT HEIGHT
COMMENTS		

Ice Storage Bins

Model

☐ B-320   ☐ B-400   ☐ B-420   ☐ B-570   ☐ B-970

B-Style

.75" (1.90 cm) Bin drain

B-320
210 lbs. (95 kgs)
32.00"
11.88"
19.04"
34.00"
22.00"

B-570
430 lbs. (195 kgs)
44.00"
11.83"
27.04"
34.00"
30.00"

B-400
290 lbs. (132 kgs)
32.00"
11.83"
27.04"
34.00"
30.00"
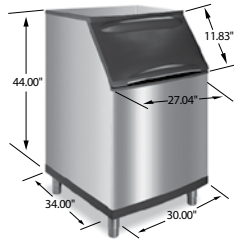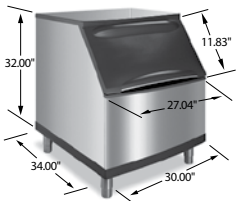
B-970
710 lbs. (323 kgs)
44.00"
11.83"
27.04"
34.00"
48.00"
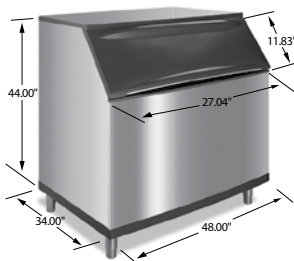
B-420
310 lbs. (141 kgs)
44.00"
11.88"
19.04"
34.00"
22.00"

B-Bin Features

Inside Scoop Holder Keeps scoop above the ice line for easy access and better sanitation

Foamed Door Insulates the ice bin, reduces sweat on the door, helps keep ice lasting longer.

Soft Durometer trim Soft rubber trims around the door opening silence the door during closing.

Stay up Door The cammed bin door self-latches keeping the door in the up position when scooping ice.

Ergonomic Door Design Doors angles for easy ergonomic access to the ice in the bin.

DuraTech Finish Manitowoc's exterior material is durable, corrosion resistant, smudge resistant and attractive.

Bin Leg Options

4" (10.16 cm), 6" (15.24 cm) and 12" (30.48 cm) adjustable legs in painted and stainless steel and 2.5" (6.35 cm), and 7.625" (19.37cm) casters available for most models.

Warranty

Bin & Accessories: 3 Year Parts & Labor.

B-Bin Model	B-Bin Capacities		B-Bin Dimensions					
	AHRI Capacity*		Height		Width		Depth	
	lbs.	kgs.	in.	cm	in.	cm	in	cm
B-320	210	95.25	38	96.5	22	55.9	34	86.4
B-420	310	140.61	50	127	22	55.9	34	86.4
B-400	290	131.54	38	96.5	30	76.2	34	86.4
B-570	430	195.05	50	127	30	76.2	34	86.4
B-970	710	322.05	50	127	48	121.9	34	86.4

*AHRI capacity is based on 80% of total volume x30 lb/ft3 average density of ice. Ice does not need to be managed.
Above bin height dimensions does include leg height of 6"/15.24 cm .
All B-bins include one set of 4 legs. Adjustable from 6 in. to 7.75 in (15.24 to 20.32 cm)

B-Style

Internal scoop holder stays above the ice line for easy access and better sanitation. Foamed door insulates the bin, reduces sweat on the door and keeps ice lasting longer. Soft durometer trim around opening helps silence bin door while closing. The cammed stay-open door design keeps bin door out of the way while scooping ice. Ergonomic bin door are angled for easy access to the ice in the bin. Duratech exterior finish is durable, corrosion resistant, smudge resistant and attractive.

Indigo Ice Machines Series													
Machine			i320	i520	i300	i450	i500	i606, i686C	i906, i976C	i1106, i1176C	i1200	i1470C, i1870C, i2170C	i1406, i1800
Machine Capacity			235	360	235	335	410	555, 530	710, 710	870, 900	930	1200, 1470, 1691	1308, 1455
Bins	Bin Cap	Width	22"	22"	30"	30"	30"	30"	30"	30"	30"	30"	48"
B-320	210	22"	*	*									
B-420	290	22"	*	*									
B-400	310	30"	K-00365	K-00365	*	*	*	*	NR	NR	NR	NR	
B-570	430	30"	K-00365	K-00365	*	*	*	*	*	*	*	NR	
B-970	710	48"	NR	NR	NR	K-00369	K-00369	K-00458	K-00458	K-00458	K-00458	K-00385	*

An optional adapter is required when putting a narrower ice machine on a wider bin.
* No adapter is needed
NR= Not Recommend. Bin too small or too large for application.
Putting a wider machine on narrower bin is not an option.
Bin Capacity shown in lbs using the AHRI rating base on 80% of total volume x 30lb/ft3 averge desity of ice.
Machine capacity shown in lbs/24hrs using the AHRI rating base at 90F ambient, 70F water temperature

Manitowoc Flaker and Nugget Machines											
		Machine	RNS-0308	RFS- 0300	RNS-0600	RFS-0650	RNS-1078C	RFS-1278C	RNS-1000	RFS-1200	RFS-2378C
Machine cap			251	286	451	540	900	958	825	874	1702
Bins	Bin cap	Width	22"	22"	22"	22"	22"	22"	30"	30"	36.7"
B-320	210	22"	*	*	NR	NR	NR	NR			
B-420	310	22"	*	*	*	*	NR	NR			
B-400	290	30"	K-00365	K-00365	K-00365	K-00365	NR	NR	NR	NR	
B-570	430	30"	NR	K-00365	K-00365	K-00365	NR	NR	*	*	
B-970	710	48"	NR	NR	K-00368	K-00368	K-00368, or K00371 if 2 used.	K-00368, or K00371 if 2 used.	K-00458	K-00458	K-00458

An optional adapter is required when putting a narrower ice machine on a wider bin.
* No adapter is needed
NR= Not Recommend. Bin too small or too large for application.
Putting a wider machine on narrower bin is not an option.
Machines side by side must be water cooled or remote.
Bin Capacity shown in lbs using the AHRI rating base on 80% of total volume x 30lb/ft3 averge desity of ice.
Machine capacity shown in lbs/24hrs using the AHRI rating base at 90F ambient, 70F water temperature

See price book for replacement: scoops, legs, specialty legs, and casters.

Convenient ice bagger available for: B420, B570 and B970. Order K-00146 bagger and replacement bags K-00068.

2110 South 26th Street
PO Box 1720
Manitowoc, WI 54221-1720 USA

Tel: 1.920.682.0161
Fax: 1.920.683.7589
www.manitowocice.com

Printed in the U.S.A.
2718J_Bins
8/17

Spare Numbers

MANUFACTURER

MODEL #

FEATURES

ELECTRICAL

CONNECTION	VOLTS	PHASE	AMPS
KW	HP	ROUGH-IN HEIGHT	
ROUGH-IN COMMENTS			

PLUMBING

HW	CW	WASTE
ROUGH-IN COMMENTS		

GAS

GAS SIZE	MBH	HEIGHT
COMMENTS		

VENTILATION

CONNECTION TYPE	CFM	STAT. PRESS.
DUCT SIZE	VENT HEIGHT	
COMMENTS		

Glasswasher

MANUFACTURER Hobart

MODEL #   LXGe-PR Short

FEATURES   - Energy Star rated.

ELECTRICAL

CONNECTION	JB	VOLTS	120	PHASE	1	AMPS	15.4
KW		HP		ROUGH-IN HEIGHT	+12"		
ROUGH-IN COMMENTS							

PLUMBING

HW	1/2", +12"	CW		WASTE	IW, 1", to FS
ROUGH-IN COMMENTS					

GAS

GAS SIZE		MBH		HEIGHT	
COMMENTS					

VENTILATION

CONNECTION TYPE		CFM		STAT. PRESS.	
DUCT SIZE			VENT HEIGHT		
COMMENTS					

HOBART

701 S Ridge Avenue, Troy, OH 45374
1-888-4HOBART • www.hobartcorp.com

LXGeR and LXGePR
advansys GLASSWASHER

STANDARD FEATURES

- Racks per hour

	Light	Normal
LXGeR	30	24
LXGePR	38	29

- .62 gallons of water per rack – LXGeR
  1.14 gallons of water per rack – LXGePR

- Hot water or chemical sanitation units available

- Steam Elimination and Energy Recovery (LXGeR model only)

- PuriRinse cycle (Potable water rinse to remove chemical residue) (LXGePR model only)

- Low chemical alert indicators

- Sense-A-Temp™ booster heater capable of 70 rise, provided on LXGeR models

- Chemical pump "auto-prime"

- Advanced Service diagnostics

- Clogged wash arm sensing

- Custom cycle selection – light, normal

- Automated delime cycle – includes booster deliming

- Deep drawn stainless steel tank

- Microcomputer, top mounted controls with advanced digital cycle/temperature display

- Revolving upper and lower anti-clogging wash arms

- Snap-in revolving upper and lower rinse arms

- Removable stainless steel scrap screen

- Corrosion resistant pump

- Energy Saver mode

- Automatic pumped drain

- 12" door opening

- Dirty water indicator

- Automatic fill

- Detergent, rinse aid and delime pumps standard (plus sanitizer pump on chemical machine)

- Electric tank heat

- One dishrack – one glass/wine rack

- Customizable "advansys" button to select favorites function

- Auto clean cycle washes down inside of machine at shutdown

MODELS

- ❑ LXGeR – Energy Recovery
- ❑ LXGePR – PuriRinse

STANDARD VOLTAGES

- ❑ 120/208-240(3W)/60/1 (LXGeR model only)
- ❑ 120/60/1 (LXGePR model only)

ACCESSORIES
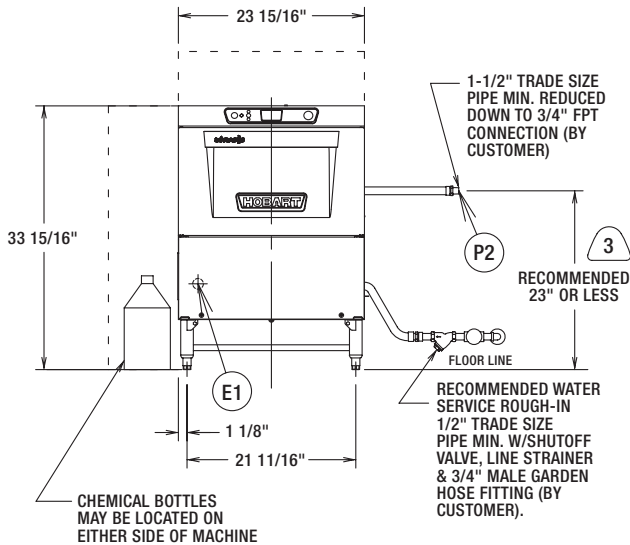
- ❑ Power cord kits
- ❑ DWT-LXe drain water tempering kit

Specifications, Details and Dimensions on Back.

LXGeR SHORT
advansys GLASSWASHER

HOBART

701 S Ridge Avenue, Troy, OH 45374
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23 15/16"

1-1/2" TRADE SIZE PIPE MIN. REDUCED DOWN TO 3/4" FPT CONNECTION (BY CUSTOMER)

P2

③

RECOMMENDED 23" OR LESS

33 15/16"

FLOOR LINE

E1

RECOMMENDED WATER SERVICE ROUGH-IN 1/2" TRADE SIZE PIPE MIN. W/SHUTOFF VALVE, LINE STRAINER & 3/4" MALE GARDEN HOSE FITTING (BY CUSTOMER).

1 1/8"

21 11/16"

CHEMICAL BOTTLES MAY BE LOCATED ON EITHER SIDE OF MACHINE

E1   P2   P1

WALL

9" MIN

P2

⚠ **WARNING**

Do not premix other chemicals and sodium hypochlorite (liquid bleach). Mixing may cause hazardous gas to form.

NOTICE

Required flowing water pressure to the dishmachine is 15-65 PSIG. If pressures higher than 65 PSIG are present, a pressure regulating valve must be installed in the water line to the dishmachine (by others).

Pressure gauge not required on pumped rinse machines.

Important: The chemical containers should be placed no higher than 16" above floor.

If chemical containers are to be placed in cabinet adjacent to machine, a 1/2" dia. hole is required in the cabinet to run chemical supply line.

Notes:
1. All vertical machine dimensions taken from floor may be increased by .875" or decreased by .375".
2. Moist air escapes from the door.
   Use only moisture resistant materials adjacent to dishmachine sides and top.
3. A vent hood is not recommended above the undercounter dishmachine since it does not produce excessive vapors.

Plumbing notes:
1. Water hammer arrestor (meeting ASSE-1010 Standard or equivalent) to be supplied (by others) in common water supply line at service connection.
2. Recommended water hardness to be 3 grains or less for best results.
3. If drain hose is looped above a sink, the loop must not exceed 44" AFF.

CONNECTION INFORMATION
(AFF = ABOVE FINISHED FLOOR)

LEGEND
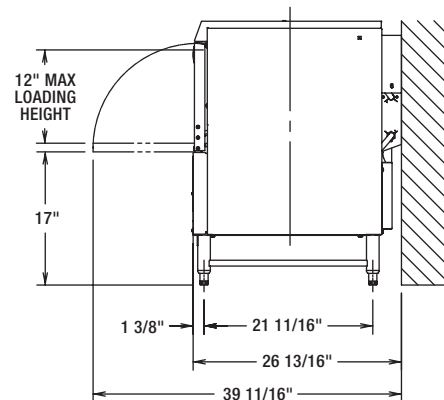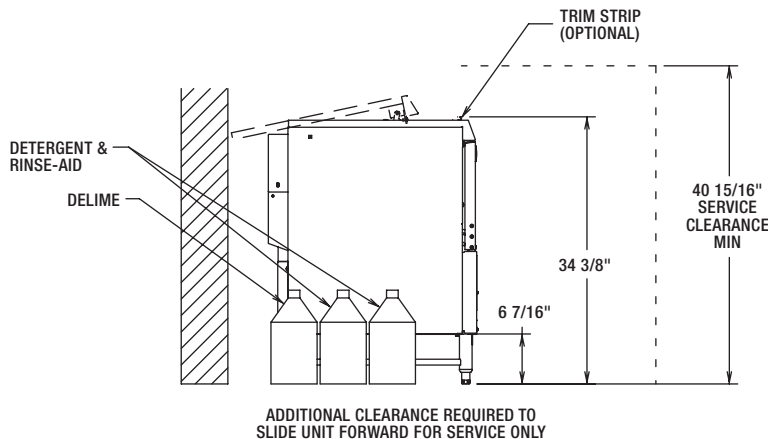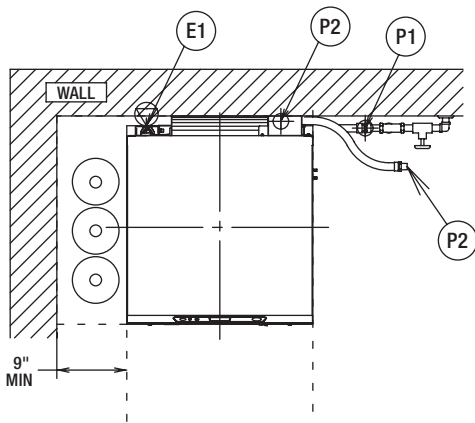E1 ELECTRICAL CONNECTION: 1-3/8" DIA. HOLE FOR 1" TRADE SIZE CONDUIT; 10-5/8" AFF.
P1 SINGLE FILL AND RINSE CONNECTION: 3/4" FEMALE GARDEN HOSE FITTING ON 6' LONG HOSE SUPPLIED WITH MACHINE.; 55-85°F (COLD) RECOMMENDED FOR LXGeR.
P2 DRAIN CONNECTION: 5/8" BARB FITTING WITH 6' LONG HOSE SUPPLIED WITH MACHINE.

⚠ **WARNING**

Electrical and grounding connections must comply with the applicable portions of the National Electrical Code and/or other local electrical codes.

Plumbing connections must comply with applicable sanitary, safety and plumbing codes. Drain and fill line configurations vary, some methods are shown on this drawing.

TRIM STRIP (OPTIONAL)

DETERGENT & RINSE-AID

DELIME

40 15/16" SERVICE CLEARANCE MIN

34 3/8"

6 7/16"

ADDITIONAL CLEARANCE REQUIRED TO SLIDE UNIT FORWARD FOR SERVICE ONLY

12" MAX LOADING HEIGHT

17"

1 3/8"   21 11/16"

26 13/16"

39 11/16"

HEAT OUTPUT, BTU/HR		
MODEL	LATENT	SENSIBLE
LXGeR	1100	2000

SHIPPING WEIGHTS	LXGeR
NET WEIGHT OF MACHINE	165 LBS
DOMESTIC SHIPPING WEIGHT	185 LBS

MODEL	VOLTS/HERTZ/PHASE	RATED AMPS	MIN SUPPLY CKT CONDUCTOR AMPACITY	MAX PROTECTIVE DEVICE
LXGeR	120/208-240(3W)/60/1*	30.5	40	40

NOTE: FOR SUPPLY CONNECTIONS, USE COPPER WIRE ONLY RATED AT 90°C MINIMUM.

*THIS SYSTEM REQUIRES THREE POWER WIRES WHICH INCLUDES A CURRENT CARRYING NEUTRAL, AN ADDITIONAL FOURTH WIRE MUST BE PROVIDED FOR MACHINE GROUND.
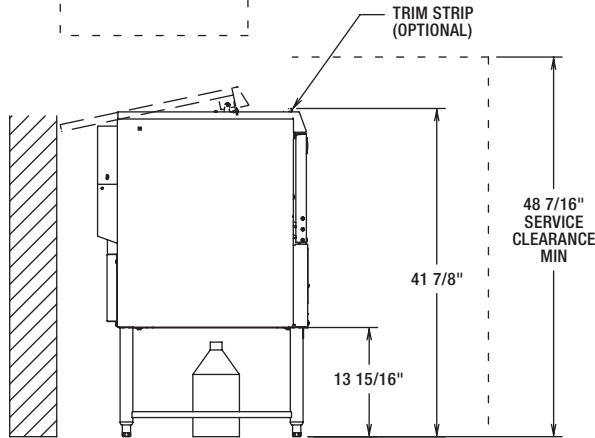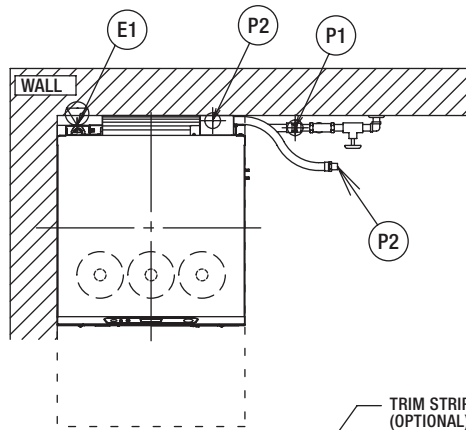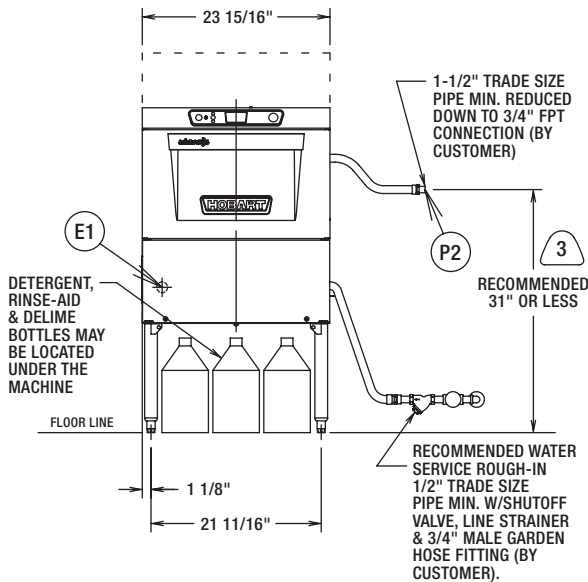
ACCESSORY CORD KIT AVAILABLE FOR ALL MACHINES

MODELS:
LXGeR SHORT
00-950418
REV B

F40404 – LXGeR and LXGePR advansys Glasswasher

1-1/2" TRADE SIZE PIPE MIN. REDUCED DOWN TO 3/4" FPT CONNECTION (BY CUSTOMER)

23 15/16"

E1

DETERGENT, RINSE-AID & DELIME BOTTLES MAY BE LOCATED UNDER THE MACHINE

FLOOR LINE

P2

3

RECOMMENDED 31" OR LESS

RECOMMENDED WATER SERVICE ROUGH-IN 1/2" TRADE SIZE PIPE MIN. W/SHUTOFF VALVE, LINE STRAINER & 3/4" MALE GARDEN HOSE FITTING (BY CUSTOMER).

1 1/8"

21 11/16"

E1   P2   P1

WALL

P2

TRIM STRIP (OPTIONAL)

48 7/16" SERVICE CLEARANCE MIN

41 7/8"

13 15/16"

ADDITIONAL CLEARANCE REQUIRED TO SLIDE UNIT FORWARD FOR SERVICE ONLY

12" MAX LOADING HEIGHT

41 7/16"

24 1/2"

1 3/8"   21 11/16"

26 13/16"

39 11/16"

HEAT OUTPUT, BTU/HR		
MODEL	LATENT	SENSIBLE
LXGeR	1100	2000

SHIPPING WEIGHTS	LXGeR
NET WEIGHT OF MACHINE	165 LBS
DOMESTIC SHIPPING WEIGHT	185 LBS

MODEL	VOLTS/HERTZ/PHASE	RATED AMPS	MIN SUPPLY CKT CONDUCTOR AMPACITY	MAX PROTECTIVE DEVICE
LXGeR	120/208-240(3W)/60/1*	30.5	40	40

⚠ **WARNING**

Do not premix other chemicals and sodium hypochlorite (liquid bleach). Mixing may cause hazardous gas to form.

NOTICE

Required flowing water pressure to the dishmachine is 15-65 PSIG. If pressures higher than 65 PSIG are present, a pressure regulating valve must be installed in the water line to the dishmachine (by others).

Pressure gauge not required on pumped rinse machines.

Important: The chemical containers should be placed no higher than 24" above floor.

If chemical containers are to be placed in cabinet adjacent to machine, a 1/2" dia. hole is required in the cabinet to run chemical supply line.

Notes:

1. All vertical machine dimensions taken from floor may be increased by .875" or decreased by .375".

2. Moist air escapes from the door.
   Use only moisture resistant materials adjacent to dishmachine sides and top.

3. A vent hood is not recommended above the undercounter dishmachine since it does not produce excessive vapors.

Plumbing notes:

1. Water hammer arrestor (meeting ASSE-1010 Standard or equivalent) to be supplied (by others) in common water supply line at service connection.

2. Recommended water hardness to be 3 grains or less for best results.

3. If drain hose is looped above a sink, the loop must not exceed 51" AFF.

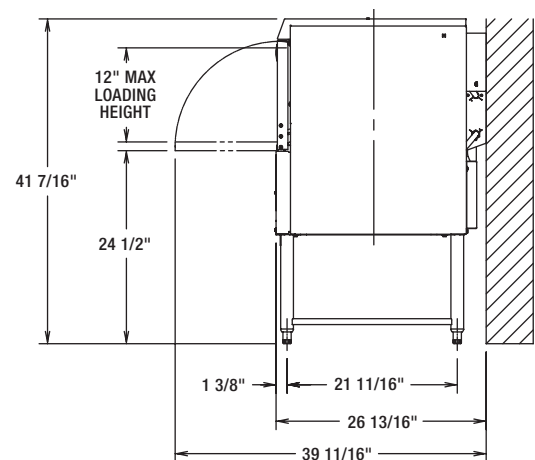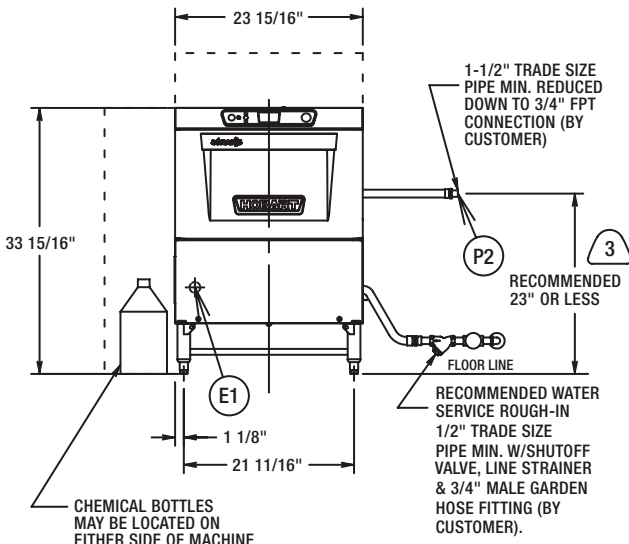**CONNECTION INFORMATION**
(AFF = ABOVE FINISHED FLOOR)

LEGEND

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P2 DRAIN CONNECTION: 5/8" BARB FITTING WITH 6' LONG HOSE SUPPLIED WITH MACHINE.

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Plumbing connections must comply with applicable sanitary, safety and plumbing codes. Drain and fill line configurations vary, some methods are shown on this drawing.

NOTE: FOR SUPPLY CONNECTIONS, USE COPPER WIRE ONLY RATED AT 90°C MINIMUM.

*THIS SYSTEM REQUIRES THREE POWER WIRES WHICH INCLUDES A CURRENT CARRYING NEUTRAL, AN ADDITIONAL FOURTH WIRE MUST BE PROVIDED FOR MACHINE GROUND.

ACCESSORY CORD KIT AVAILABLE FOR ALL MACHINES

MODELS:
LXGeR TALL
00-950418
REV B

LXGePR SHORT
advansys GLASSWASHER

HOBART

701 S Ridge Avenue, Troy, OH 45374
1-888-4HOBART • www.hobartcorp.com

23 15/16"

1-1/2" TRADE SIZE PIPE MIN. REDUCED DOWN TO 3/4" FPT CONNECTION (BY CUSTOMER)

33 15/16"

P2

3

RECOMMENDED 23" OR LESS

E1

FLOOR LINE

RECOMMENDED WATER SERVICE ROUGH-IN 1/2" TRADE SIZE PIPE MIN. W/SHUTOFF VALVE, LINE STRAINER & 3/4" MALE GARDEN HOSE FITTING (BY CUSTOMER).

1 1/8"

21 11/16"

CHEMICAL BOTTLES MAY BE LOCATED ON EITHER SIDE OF MACHINE

E1   P2   P1

WALL

P2

9" MIN

TRIM STRIP (OPTIONAL)

DETERGENT & RINSE-AID

CHLORINE SANITIZER

DELIME (ADDITIONAL CLEARANCE MAY BE REQUIRED)

40 15/16" SERVICE CLEARANCE MIN

34 3/8"

6 7/16"

ADDITIONAL CLEARANCE REQUIRED TO SLIDE UNIT FORWARD FOR SERVICE ONLY

12" MAX LOADING HEIGHT

17"

1 3/8"   21 11/16"

25 9/16"

38 7/16"

⚠ **WARNING**

Do not premix other chemicals and sodium hypochlorite (liquid bleach). Mixing may cause hazardous gas to form.

NOTICE

Required flowing water pressure to the dishmachine is 15-65 PSIG. If pressures higher than 65 PSIG are present, a pressure regulating valve must be installed in the water line to the dishmachine (by others).

Pressure gauge not required on pumped rinse machines.

Important: The chemical containers should be placed no higher than 16" above floor.

If chemical containers are to be placed in cabinet adjacent to machine, a 1/2" dia. hole is required in the cabinet to run chemical supply line.

Use only 6% or 8.4% sodium hypochlorite (liquid bleach) as sanitizing chemical to insure proper operation of dishmachine.

Certain materials including silver plate, aluminum and pewter are attacked by sodium hypochlorite (liquid bleach). See instructional manual.

Notes:
1. All vertical machine dimensions taken from floor may be increased by .875" or decreased by .375".
2. Moist air escapes from the door.
   Use only moisture resistant materials adjacent to dishmachine sides and top.
3. A vent hood is not recommended above the undercounter dishmachine since it does not produce excessive vapors.

Plumbing notes:
1. Water hammer arrestor (meeting ASSE-1010 Standard or equivalent) to be supplied (by others) in common water supply line at service connection.
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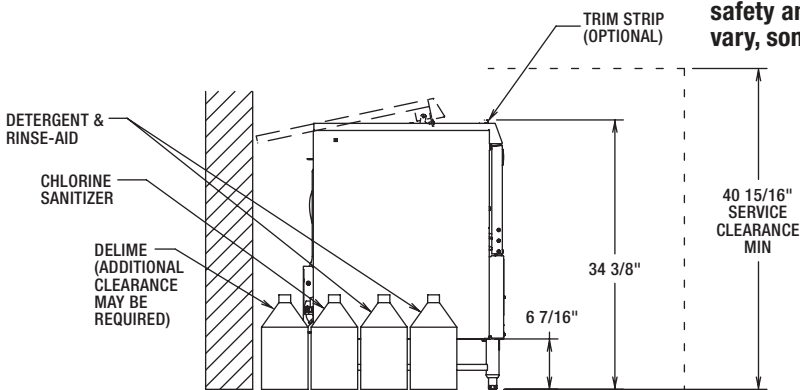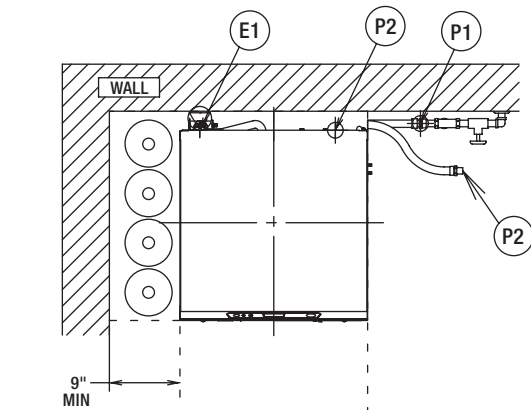**CONNECTION INFORMATION**
(AFF = ABOVE FINISHED FLOOR)

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P1 SINGLE FILL AND RINSE CONNECTION: 3/4" FEMALE GARDEN HOSE FITTING ON 6' LONG HOSE SUPPLIED WITH MACHINE.;
    120°F WATER MIN. FOR LXGePR, 140°F RECOMMENDED.
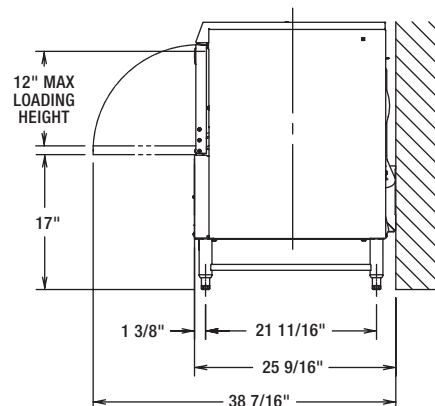P2 DRAIN CONNECTION: 5/8" BARB FITTING WITH 6' LONG HOSE SUPPLIED WITH MACHINE.

⚠ **WARNING**

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Plumbing connections must comply with applicable sanitary, safety and plumbing codes. Drain and fill line configurations vary, some methods are shown on this drawing.

HEAT OUTPUT, BTU/HR		
MODEL	LATENT	SENSIBLE
LXGePR	1900	800

	LXGePR
SHIPPING WEIGHTS	
NET WEIGHT OF MACHINE	150 LBS
DOMESTIC SHIPPING WEIGHT	170 LBS

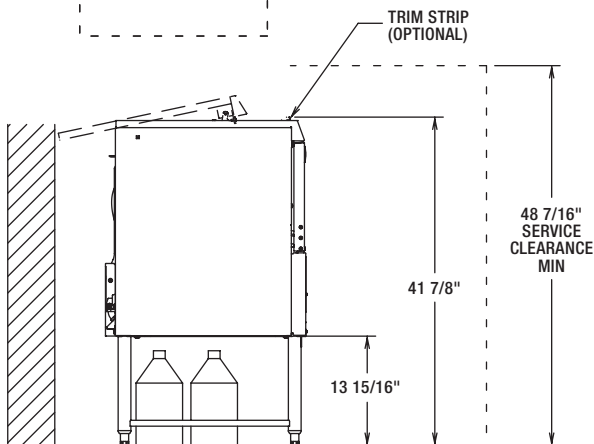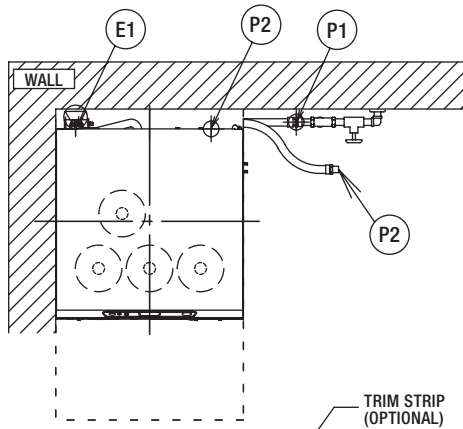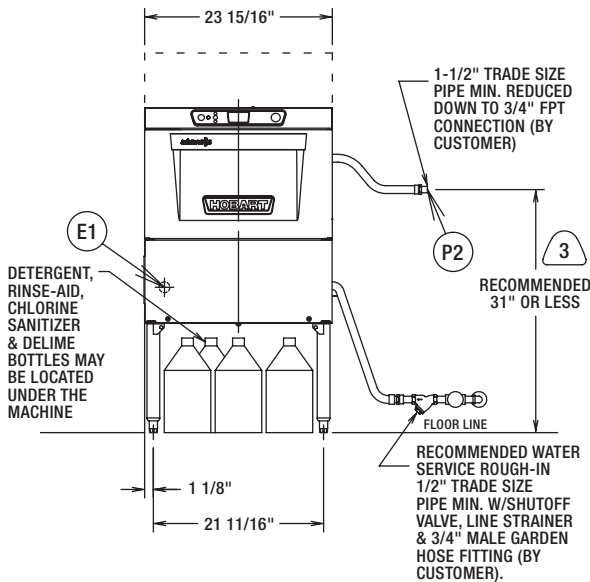| MODEL	VOLTS/HERTZ/PHASE	RATED AMPS	MIN SUPPLY CKT CONDUCTOR AMPACITY	MAX PROTECTIVE DEVICE
LXGePR	120/60/1	15.4	20	20

NOTE: FOR SUPPLY CONNECTIONS, USE COPPER WIRE ONLY RATED AT 90°C MINIMUM.
ACCESSORY CORD KIT AVAILABLE FOR ALL MACHINES

MODELS:
LXGePR SHORT
00-950419
REV B

23 15/16"

1-1/2" TRADE SIZE PIPE MIN. REDUCED DOWN TO 3/4" FPT CONNECTION (BY CUSTOMER)

P2

3

RECOMMENDED 31" OR LESS

E1

DETERGENT, RINSE-AID, CHLORINE SANITIZER & DELIME BOTTLES MAY BE LOCATED UNDER THE MACHINE

FLOOR LINE

RECOMMENDED WATER SERVICE ROUGH-IN 1/2" TRADE SIZE PIPE MIN. W/SHUTOFF VALVE, LINE STRAINER & 3/4" MALE GARDEN HOSE FITTING (BY CUSTOMER).

1 1/8"

21 11/16"

E1 P2 P1

WALL

P2

TRIM STRIP (OPTIONAL)

48 7/16" SERVICE CLEARANCE MIN

41 7/8"

13 15/16"

ADDITIONAL CLEARANCE REQUIRED TO SLIDE UNIT FORWARD FOR SERVICE ONLY

12" MAX LOADING HEIGHT

41 7/16"

24 1/2"

1 3/8"   21 11/16"

25 9/16"

38 7/16"

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NOTICE

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Notes:
1. All vertical machine dimensions taken from floor may be increased by .875" or decreased by .375".
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   Use only moisture resistant materials adjacent to dishmachine sides and top.
3. A vent hood is not recommended above the undercounter dishmachine since it does not produce excessive vapors.

Plumbing notes:
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2. Recommended water hardness to be 3 grains or less for best results.
3. If drain hose is looped above a sink, the loop must not exceed 51" AFF.

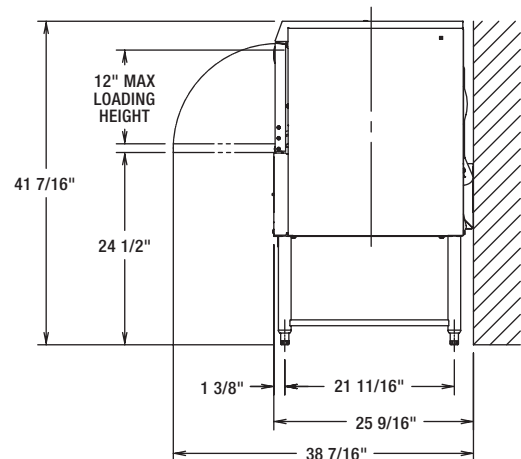### CONNECTION INFORMATION
(AFF = ABOVE FINISHED FLOOR)

LEGEND

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    120°F WATER MIN. FOR LXGePR, 140°F RECOMMENDED.
P2 DRAIN CONNECTION: 5/8" BARB FITTING WITH 6' LONG HOSE SUPPLIED WITH MACHINE.

⚠ WARNING

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Plumbing connections must comply with applicable sanitary, safety and plumbing codes. Drain and fill line configurations vary, some methods are shown on this drawing.

HEAT OUTPUT, BTU/HR		
MODEL	LATENT	SENSIBLE
LXGePR	1900	800

SHIPPING WEIGHTS	LXGePR
NET WEIGHT OF MACHINE	150 LBS
DOMESTIC SHIPPING WEIGHT	170 LBS

MODEL	VOLTS/HERTZ/PHASE	RATED AMPS	MIN SUPPLY CKT CONDUCTOR AMPACITY	MAX PROTECTIVE DEVICE
LXGePR	120/60/1	15.4	20	20

NOTE: FOR SUPPLY CONNECTIONS, USE COPPER WIRE ONLY RATED AT 90°C MINIMUM.

ACCESSORY CORD KIT AVAILABLE FOR ALL MACHINES

MODELS:
LXGePR TALL
00-950419
REV B

LXGeR and LXGePR
advansys GLASSWASHER

SPECIFICATIONS

DESIGN: Front opening, equipped for installation in either freestanding or undercounter-type operations.

CONSTRUCTION: 300 series stainless steel tank, door and top panel.

PUMP: Centrifugal-type, integral with motor, horizontally mounted. Pump capacity 38 gpm.

MOTOR: Single phase, furnished for all electrical specifications. Factory sealed lubrication. Inherent overload protection with auto reset.

WASH AND RINSE CYCLE: Complete automatic type, controlled by solid-state electronics. Cycle may be interrupted any time by opening door. Cycle continues when door is closed.

- Initial cycle fills wash tank, to be recirculated each wash cycle. Some wash water is drained off before rinse cycle. Rinse cycle refreshes wash water and tank heat.

RINSE PUMP: Powered by a single phase motor, the rinse pump is made of high strength engineered composite material.

BLOWER: The blower is a 60mm x 300mm tangential wheel powered by a 2-pole single phase motor for quiet and reliable operation, LXGeR only.

CONDENSER COIL: The condensing system uses a tube and fin coil constructed of copper and corrosion resistant aluminum. The condenser coil allows for energy recovery from waste heat in the moisture laden air that would normally escape into the environment after a dishwashing cycle, LXGeR only.

RINSE AND SANITATION:

- **LXGeR:** Sanitation is accomplished by means of a built-in booster heater designed to raise temperature of water to a minimum of 180°F from an incoming water temperature of 55°F.

- **LXGePR:** Sanitation is accomplished by injection of proper amount of sodium hypochlorite solution (liquid bleach) into final rinse water to achieve a minimum of 50PPM sanitizing solution. Injection of sodium hypochlorite is accomplished by a built-in sanitizing chemical pump. Minimum required hot water temperature is 120°F.
  - Potable water rinse to remove chemical residue.
  - To be used with sanitizer approved for use with post sanitizing rinse

- **CHECK SANITIZER CONCENTRATION:** PuriRinse must be off (hold Wash button for 5 seconds). Verify that there is sufficient chemical supply. Run cycle and use test strips on wetted surface of glasses after cycle is complete. If concentration is below minimum required, contact your local Hobart Service office.

ENERGY RECOVERY: Heat energy is recovered from the condensation of vapors in the chamber at the end of each cycle. This pre-heats the water for the next rinse cycle from 55°F up to 140°F.

PUMPED DRAIN: Machine automatically drains water through a built-in pump. Maximum 38" drain height permitted.

ELECTRIC BOOSTER HEATER: 4.9 KW electric booster with Sense-A-Temp™ technology adequately sized to raise 55°F inlet water to 180°F, with the aid of the energy recovery system.

RACKING: Machines accommodate racks from 10" x 20" to 20" x 20".

NOTE: Certain materials, including silver, aluminum and pewter are attacked by Sodium Hypochlorite solution in the chemical sanitizing mode of operation.

SPECIFICATIONS: Listed by Underwriters Laboratories Inc. and NSF International.

MACHINE RATINGS	LXGePR		LXGeR	
	Light	**Normal**	**Light**	**Normal**
Racks per Hour Rate	38	29	30	24
Dishes per Hour (25 per Rack Avg.)	950	725	750	600
Glasses per Hour (36 per Rack Avg.)	1368	1044	1080	864
Controls	Microcomputer			
Tank Capacity - Gallons	2.9			
Overall Dimensions - H x W x D (Short)	$34\frac{3}{8}$" x $23\frac{15}{16}$" x $25\frac{9}{16}$"		$34\frac{3}{8}$" x $23\frac{15}{16}$" x $26\frac{13}{16}$"	
Overall Dimensions - H x W x D (Tall)	$41\frac{7}{8}$" x $23\frac{15}{16}$" x $25\frac{9}{16}$"		$41\frac{7}{8}$" x $23\frac{15}{16}$" x $26\frac{13}{16}$"	
Cycle Time - Seconds	94	124	120	146
Tank Heat	1.8 KW			
Electric Booster Heater	N/A		4.9 KW	
Water Usage Per Rack - Gallons	1.14		.62	
Drain Design	Pumped			
Door Opening Height	12"			
Detergent Pump	Standard			
Rinse-Aid Pump	Standard			
Delime Pump	Standard			
Sanitizer Pump	Standard		N/A	
Chemical Prime (auto prime)	Standard			
Peak Drain Flow - GPM	4.0			
Advanced Service Diagnostics	Standard			
Advanced Cleaning Cycle	Standard			
70°Rise Sense-A-Temp™ Booster Heater	N/A		Standard	
Incoming Water Temperature Required (minimum)	120°		55°	

As continued product improvement is a policy of Hobart, specifications are subject to change without notice.

Wet Waste Stand

Mark # **821**

MANUFACTURER Perlick

MODEL # TSD12HS

FEATURES - Single compartment sink with removable perforated SS bottom insert.
- Do not predrill alignment holes.

ELECTRICAL

CONNECTION	VOLTS	PHASE	AMPS
KW	HP	ROUGH-IN HEIGHT	
ROUGH-IN COMMENTS			

PLUMBING

HW 1/2", +12"	CW 1/2", +12"	WASTE IW, 1", to FS
ROUGH-IN COMMENTS		

GAS

GAS SIZE	MBH	HEIGHT
COMMENTS		

VENTILATION

CONNECTION TYPE	CFM	STAT. PRESS.
DUCT SIZE		VENT HEIGHT
COMMENTS		

UNDERBAR SINKS
SINGLE TANK, STAINLESS STEEL BOWL

JOB	
AREA	
ITEM NO.	
MODEL NO.	

MODELS	
TS Series	**TSD Series**
TS12HS	TSD12HS

NSF
C   US
ASME A112.19.3/CSA B45.4
NSF/ANSI 2

Features

- Deep drawn stainless steel bowl
- NSF listed, commercial grade hot/cold water faucet (must be ordered separately)
- Underside is sound-deadening
- Stainless steel legs install without tools and have rust-free thermoplastic feet

UNDERBAR SINKS
SINGLE TANK, STAINLESS STEEL BOWL

MODEL NO.	TS12HS	TSD12HS
LENGTH, INCHES (mm)	12 (305)	12 (305)
SHIP WEIGHT, LBS. (kg)	45 (20)	45 (20)
TOP & SIDES	Stainless steel	
BACK & BOTTOM	Stainless steel	
BACKSPLASH	Stainless steel 6" high (4" high optional) with 1" return at the top, mechanically fastened and sealed to hand sink top with steel support brackets **TSD Series:** Stainless steel rear deck	
LEGS	1-5/8" tubular, stainless steel with 1" adjustable thermoplastic feet	
BOWL	Stainless steel with sound deadening underside, 10"x14"x9-1/4" deep. All horizontal and vertical edges 1-1/2" radius with balled corners. Furnished with 1-1/2" stainless steel drain socket. 8-1/2" standpipe.	
WATER FAUCET	Hot and cold, heavy-duty all brass construction, chrome plated swing spout faucet. **Must be ordered separately.** Lead-free faucet also available.	
PLUMBING	Drain connection: 1-1/2" NPS male. Hot and cold water connection, 3/8" copper supply tubes	Drain connection: 1-1/2" NPS male. Hot and cold water connection, 1/2" IPS shanks and nuts

TSD END VIEW
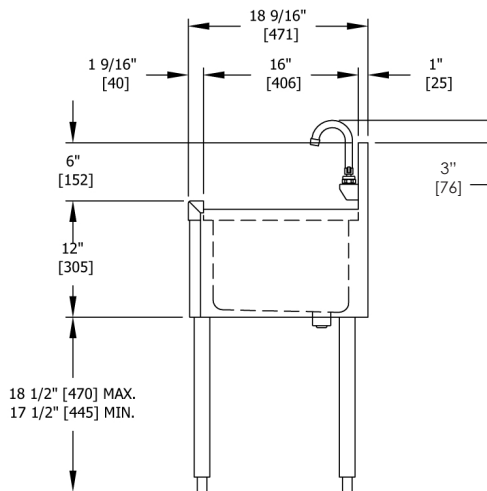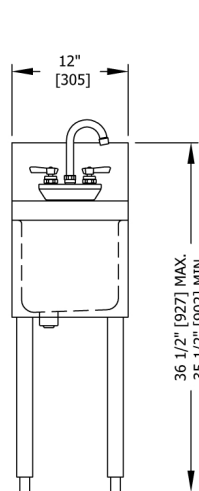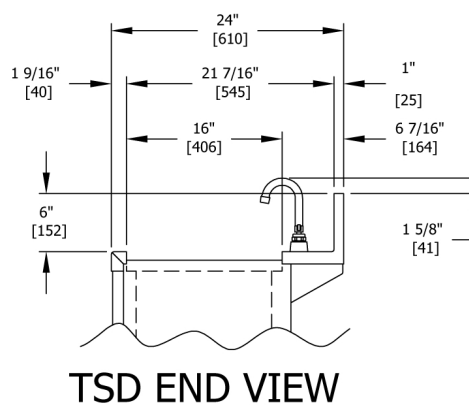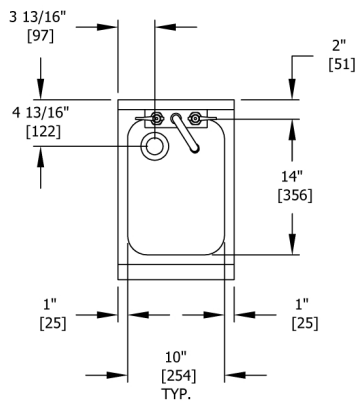
Faucet shown for clarity. Must be ordered separately.

POS Stand

MANUFACTURER Perlick

MODEL #   TSF18POS

FEATURES   - Do not predrill alignment holes.

ELECTRICAL

CONNECTION	VOLTS	PHASE	AMPS
KW	HP	ROUGH-IN HEIGHT	
ROUGH-IN COMMENTS			

PLUMBING

HW	CW	WASTE
ROUGH-IN COMMENTS		

GAS

GAS SIZE	MBH	HEIGHT
COMMENTS		

VENTILATION

CONNECTION TYPE	CFM	STAT. PRESS.
DUCT SIZE		VENT HEIGHT
COMMENTS		

POS CABINETS

JOB	
AREA	
ITEM NO.	
MODEL NO.	

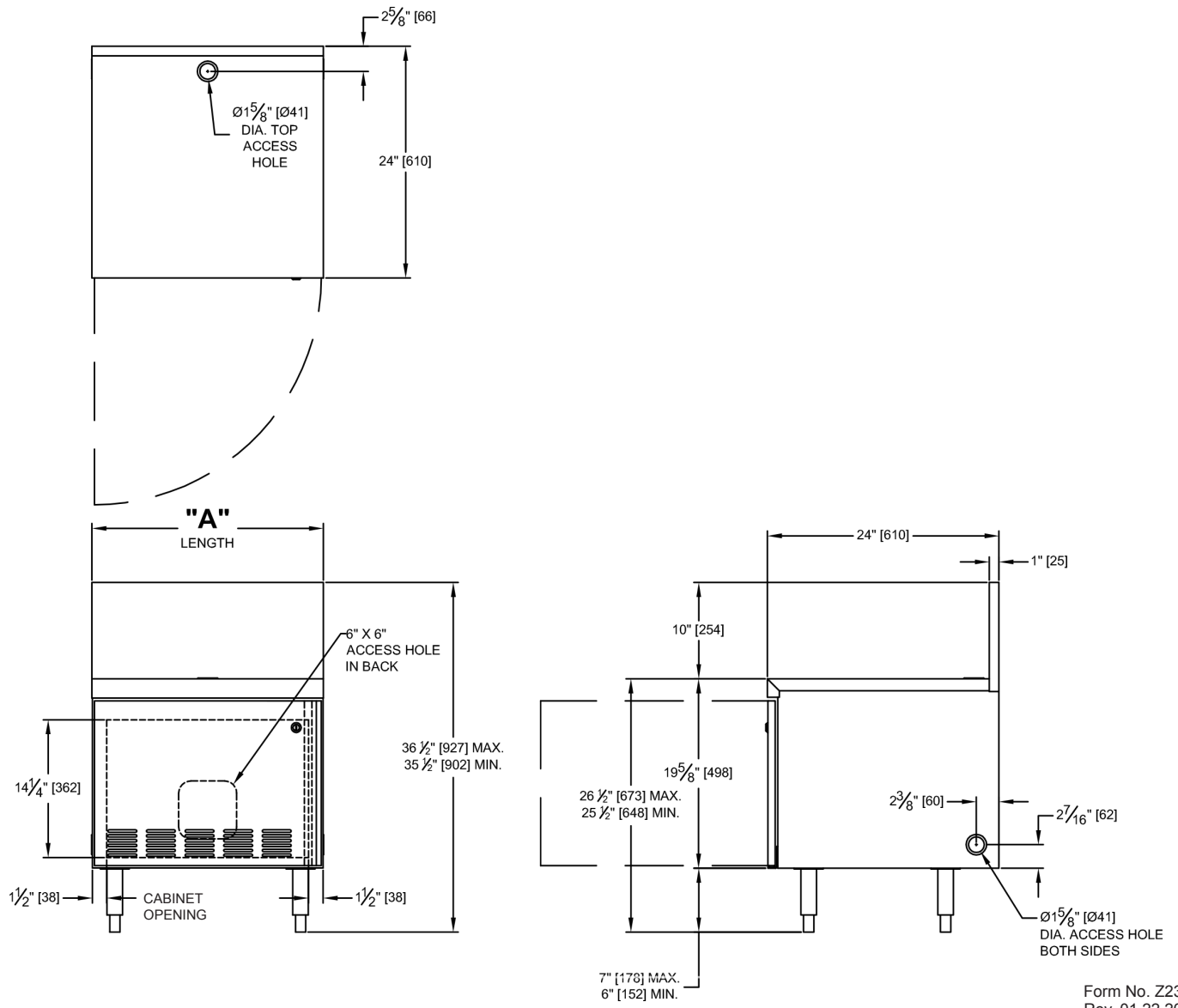| MODELS |
|---|
| **TSF Series** |
| TSF18POS |
| TSF24POS |

*TSF18POS with optional
door and end splashes*

Features

- 26" Work height accommodates cash drawers and touch screen monitors
- Grommeted hole in work surface to safely route cords and cables
- 6" x 6" Access hole with edge guard in cabinet back panel
- Accessory vented door with integral handle can be hinged left or right
- Accessory end splashes

Form No. Z2380
Rev. 01.22.2015

POS CABINETS

MODEL NOS.	TSF18POS	TSF24POS
LENGTH, INCHES (mm)	18 (457)	24 (610)
SHIP WT. lbs (kg)	45 (20.4)	24-3/4 (29.5)
CONSTRUCTION	All stainless steel construction. Underside of top is reinforced with welded brackets and is furnished with "sound-deadener".	
BACKSPLASH	Stainless steel to match 6" high adjacent equipment (4" optional) with 1" return at top, mechanically fastened and sealed to top with stainless support bracket(s).	
ACCESS HOLES	1-5/8" I.D. grommeted hole in cabinet top, left & right sides and bottom right corner. 6" x 6" cut-out with edge guard in cabinet back.	
LEGS	1-5/8" tubular, stainless steel with 1" adjustable stainless steel foot.	
DOOR (optional)	Stainless steel with vents. Integral handle with dual magnetic door catches. Can be hinged left or right. Lock - optional.	
ACCESSORIES	Door Lock and End Splashes	

Form No. Z2380
Rev. 01.22.2015

POS System

MANUFACTURER Generic

MODEL # Generic

FEATURES
- Item by Operator.
- 120 volt single phase 800 watt IGR-shielded CCT.

ELECTRICAL

CONNECTION	DR	VOLTS	120	PHASE	1	AMPS	
KW	800W	**HP**		**ROUGH-IN HEIGHT**	+12"		

ROUGH-IN COMMENTS +1/2" EMT to remote CPU

PLUMBING

HW	CW	WASTE

ROUGH-IN COMMENTS

GAS

GAS SIZE	MBH	HEIGHT

COMMENTS

VENTILATION

CONNECTION TYPE	CFM	STAT. PRESS.

DUCT SIZE   **VENT HEIGHT**

COMMENTS

Combo Ice Bin

Mark # **824**

MANUFACTURER Perlick

MODEL # TS36IC-10

FEATURES
- Ice covers.
- Bottle well on left end.
- Single speed rail across front.
- Cold plate.
- Do not pre-drill alignment holes.

ELECTRICAL

CONNECTION	VOLTS	PHASE	AMPS
KW	HP	ROUGH-IN HEIGHT	
ROUGH-IN COMMENTS			

PLUMBING

HW	CW	WASTE	IW, 1-1/2", to FS
ROUGH-IN COMMENTS			

GAS

GAS SIZE	MBH	HEIGHT
COMMENTS		

VENTILATION

CONNECTION TYPE	CFM	STAT. PRESS.
DUCT SIZE		VENT HEIGHT
COMMENTS		

Perlick

TOBIN ELLIS SIGNATURE COCKTAIL STATION ICE CHESTS
WITHOUT COLD PLATE

JOB	
AREA	
ITEM NO.	
MODEL NO.	

MODELS
TSC Series
TSC24IC
TSC30IC
TSC36IC
TSC42IC

TSC36IC
*Shown with optional ice covers.*

Features

- Dent resistent ABS top ledge
- Optional "clip-on" ice dividers create separated ice storage
- Shallower depth allows bartender to stand closer to their work counter and guests
- Raised work height improves ergonomics and reduces reaching and bending
- Stainless steel legs install without tools and have rust-free thermoplastic feet

Form No. Z2385
Rev. 05.14.2015

Perlick

TOBIN ELLIS SIGNATURE COCKTAIL STATION ICE CHESTS
WITHOUT COLD PLATE

MODEL NOS.	TSC24IC	TSC30IC	TSC36IC	TSC42IC
LENGTH IN. (mm)	24 (610)	30 (762)	36 (914)	42 (1067)
ICE CAP. lbs. (kg)	50 (22.7)	64 (27.2)	78 (35.4)	92 (41.7)
SHIP WT. lbs. (kg)	60 (27.2)	70 (31.8)	80 (36.3)	90 (40.8)
CONSTRUCTION	All Stainless steel with ABS top rim.			
BACKSPLASH	**TSC Series:** Stainless steel 6" high (4" optional) with 1" return at top, mechanically fastened and sealed to ice chest top. **TSD Series:** Not applicable			
COVERS*	Stainless steel, three-piece, removable			
INTERIOR	Stainless steel with 1/4" radius corners, welded and sealed with non-exposed cold plate. Interiors can be divided with accessory "clip-on" ice dividers			
INSULATION	Foamed-in-place polyurethane			
LEGS	1-5/8" tubular, stainless steel with 1" adjustable thermoplastic foot (4 legs are standard)			
PLUMBING	Drain connection– 1/2" - 14 NPSM male			
ACCESSORIES	Three-piece covers, "clip-on" dividers and bottle tray			

*Note: Covers not included.

Form No. Z2385
Rev. 05.14.2015

Perlick®
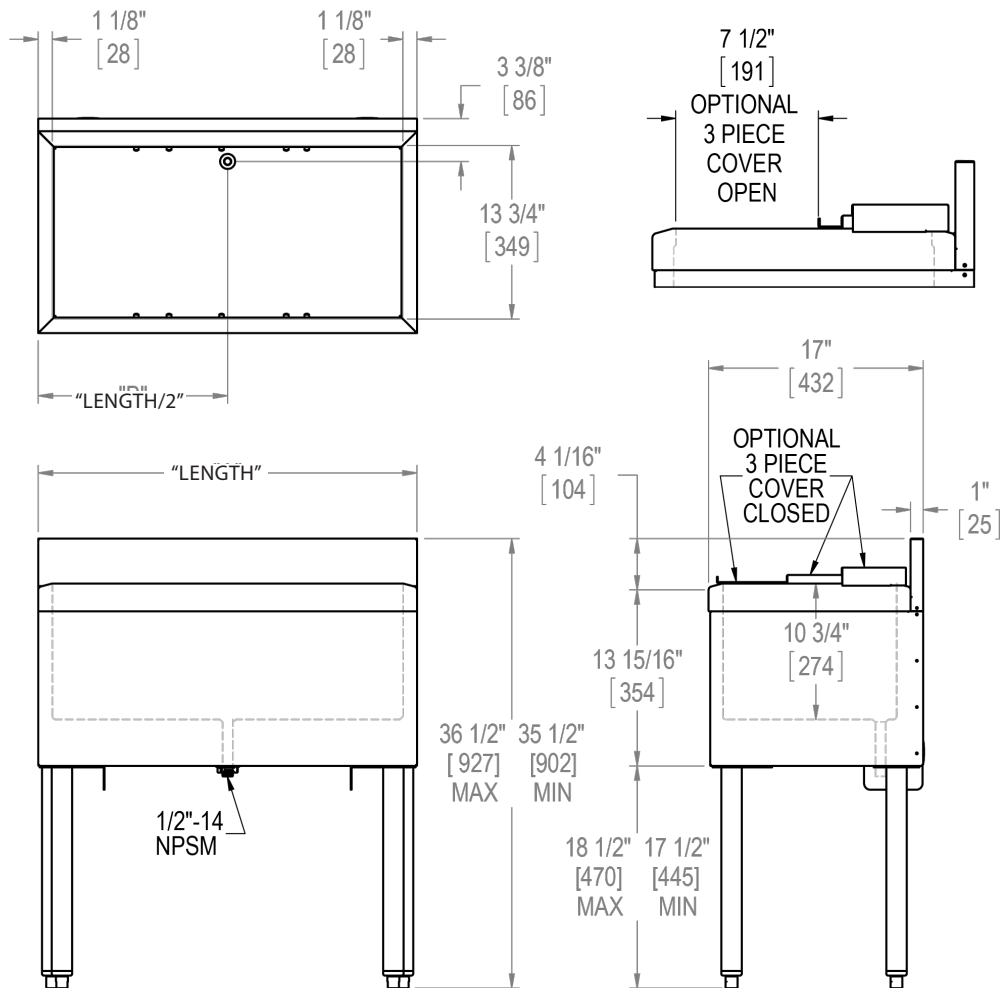
SINGLE, DUAL AND HANG ON SPEED RAILS.
SINGLE AND DUAL ACCESSORY LOCKING COVERS.

SPEED RAILS

SINGLE

5.38 | 4.0 BOTTLE WIDTH

14.37

SINGLE SPEED RAIL

SR-S18A

DUAL

3.9 BOTTLE WIDTH | 10.75 | 4.7 BOTTLE WIDTH

13.39

1.0

DUAL SPEED RAIL

SR-D18A

HANG ON

10.75

4.13 BOTTLE WIDTH

1.0

HANG ON SPEED RAIL

SR-H18A
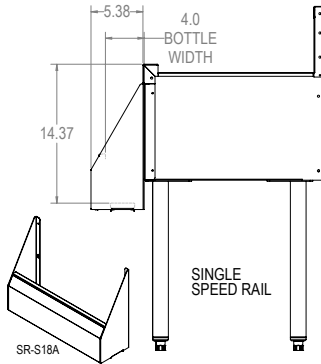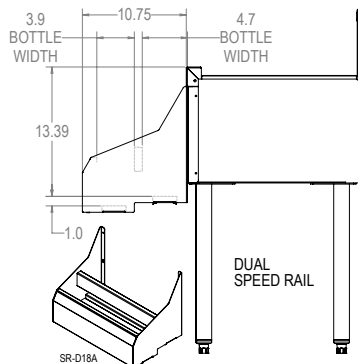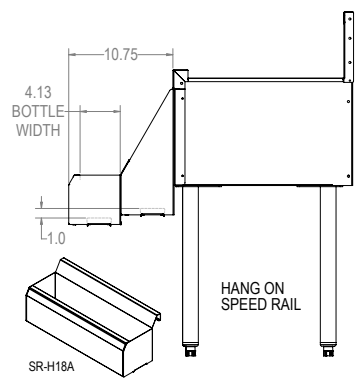
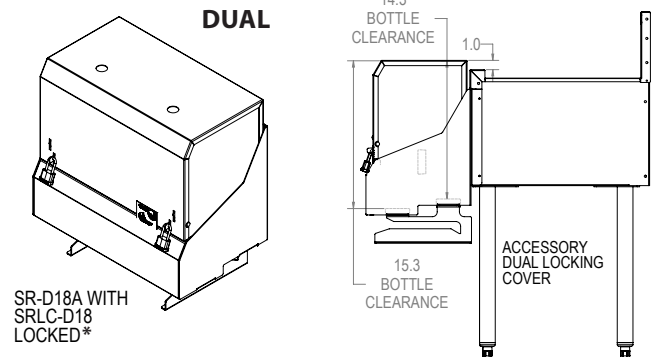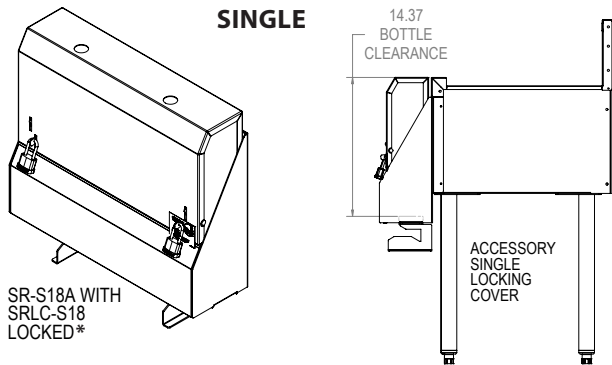| SPEED RAILS			
Length Inches (mm)	Single Speed Rail Part No.	Double Speed Rail Part No.	Hang On Speed Rail Part No.
12" (305)	SR-S12A	SR-D12A	SR-H12A
13" (330)	SR-S13A	SR-D13A	SR-H13A
14" (356)	SR-S14A	SR-D14A	SR-H14A
15" (381)	SR-S15A	SR-D15A	SR-H15A
16" (406)	SR-S16A	SR-D16A	SR-H16A
17" (432)	SR-S17A	SR-D17A	SR-H17A
18" (457)	SR-S18A	SR-D18A	SR-H18A
19" (483)	SR-S19A	SR-D19A	SR-H19A
20" (508)	SR-S20A	SR-D20A	SR-H20A
21" (533)	SR-S21A	SR-D21A	SR-H21A
22" (559)	SR-S22A	SR-D22A	SR-H22A
23" (584)	SR-S23A	SR-D23A	SR-H23A
24" (610)	SR-S24A	SR-D24A	SR-H24A
28" (711)	SR-S28A	SR-D28A	SR-H28A
30" (762)	SR-S30A	SR-D30A	SR-H30A
34" (864)	SR-S34A	SR-D34A	SR-H34A
36" (914)	SR-S36A	SR-D36A	SR-H36A
42" (1067)	SR-S42A	SR-D42A	
48" (1219)	SR-S48A	SR-D48A	
54" (1372)	SR-S54A		
60" (1372)	SR-S60A		
66" (1676)	SR-S66A		
72" (1829)	SR-S72A		
78" (1981)	SR-S78A		
84" (2134)	SR-S84A		
90" (2286)	SR-S90A		
96" (2438)	SR-S96A		

• 5-1/8" front panel to improve bottle retention. Prevents bottles from tipping forward.

• Lower bottle height provides improved clearance to ice bin.

• Plastic extrusion on bottom support provides sound deadening.

• Plastic clear extrusion on front top edge of rail provides sound deadening and protection for bottle location labels.

• Accessory Locking Covers available seperately.
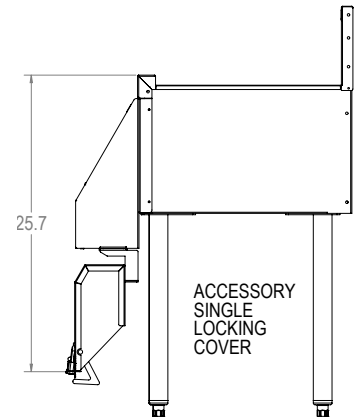
• For field installed add R suffix.

NSF COMPONENT

Form No. Z2462
Rev. 03.27.2017

Perlick®

SINGLE, DUAL AND HANG ON SPEED RAILS.
SINGLE AND DUAL ACCESSORY LOCKING COVERS.
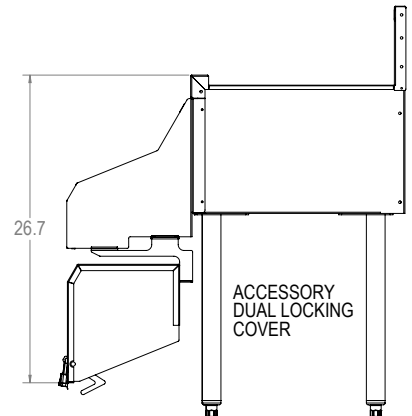
ACCESSORY LOCKING COVERS (COVER ONLY)

SINGLE

14.37
BOTTEM
CLEARANCE

ACCESSORY
SINGLE
LOCKING
COVER

SR-S18A WITH
SRLC-S18
LOCKED*

DUAL

14.3
BOTTLE
CLEARANCE
1.0

ACCESSORY
DUAL LOCKING
COVER

15.3
BOTTLE
CLEARANCE

SR-D18A WITH
SRLC-D18
LOCKED*

(Cover Only) Length Inches (mm)	Single Locking Cover Part No.	Dual Locking Cover Part No.
12" (305)	SRLC-S12	SRLC-D12
13" (330)	SRLC-S13	SRLC-D13
14" (356)	SRLC-S14	SRLC-D14
15" (381)	SRLC-S15	SRLC-D15
16" (406)	SRLC-S16	SRLC-D16
17" (432)	SRLC-S17	SRLC-D17
18" (457)	SRLC-S18	SRLC-D18
19" (483)	SRLC-S19	SRLC-D19
20" (508)	SRLC-S20	SRLC-D20
21" (533)	SRLC-S21	SRLC-D21
22" (559)	SRLC-S22	SRLC-D22
23" (584)	SRLC-S23	SRLC-D23
24" (610)	SRLC-S24	SRLC-D24
28" (711)	SRLC-S28	SRLC-D28
30" (762)	SRLC-S30	SRLC-D30
34" (864)	SRLC-S34	SRLC-D34
36" (914)	SRLC-S36	SRLC-D36
42" (1067)	SRLC-S42	SRLC-D42
48" (1219)	SRLC-S48	SRLC-D48
54" (1372)	SRLC-S54	
60" (1372)	SRLC-S60	
66" (1676)	SRLC-S66	
72" (1829)	SRLC-S72	
78" (1981)	SRLC-S78	
84" (2134)	SRLC-S84	
90" (2286)	SRLC-S90	
96" (2438)	SRLC-S96	

Single cover stored when not in use.

25.7

ACCESSORY
SINGLE
LOCKING
COVER

Dual cover stored when not in use.

26.7

ACCESSORY
DUAL LOCKING
COVER

NSF
COMPONENT

- Heavy duty 18 ga. stainless steel construction for strength and security.
- Perlick-exclusive design includes convenient, built-in storage solution.
- For speed rails longer than 48", the locking covers consist of 2 sections for easy handling.
- Locking cover kits include cover, brackets, hardware and padlocks. *Speed rails sold seperately.
- For field installed add R suffix.

Soda Gun

MANUFACTURER Generic

MODEL #   Generic

FEATURES   - Item by Vendor; NIC.

ELECTRICAL

CONNECTION	POC	VOLTS	120	PHASE	1	AMPS	2.0
KW		HP		ROUGH-IN HEIGHT			
ROUGH-IN COMMENTS		Wire to plug mold along bar edge					

PLUMBING

HW	CW	WASTE
ROUGH-IN COMMENTS		

GAS

GAS SIZE	MBH	HEIGHT
COMMENTS		

VENTILATION

CONNECTION TYPE	CFM	STAT. PRESS.
DUCT SIZE		VENT HEIGHT
COMMENTS		

Bottle Display

Mark # **826**

MANUFACTURER Perlick

MODEL # TS12LS

FEATURES - Manufacturer's standard unit.
- Do not predrill alignment holes.

ELECTRICAL

CONNECTION	VOLTS	PHASE	AMPS
KW	HP	ROUGH-IN HEIGHT	
ROUGH-IN COMMENTS			

PLUMBING

HW	CW	WASTE
ROUGH-IN COMMENTS		

GAS

GAS SIZE	MBH	HEIGHT
COMMENTS		

VENTILATION

CONNECTION TYPE	CFM	STAT. PRESS.
DUCT SIZE		VENT HEIGHT
COMMENTS		

NSF

Perlick Features

- Solid stainless steel steps without gaps.

MODEL NOS.

- ☐ TS12LS
- ☐ TS18LS
- ☐ TS24LS
- ☐ 7055A3
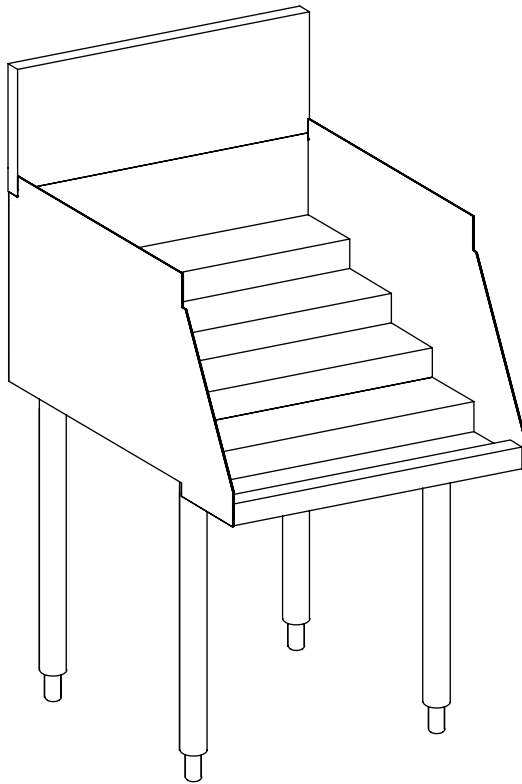
TS18LS
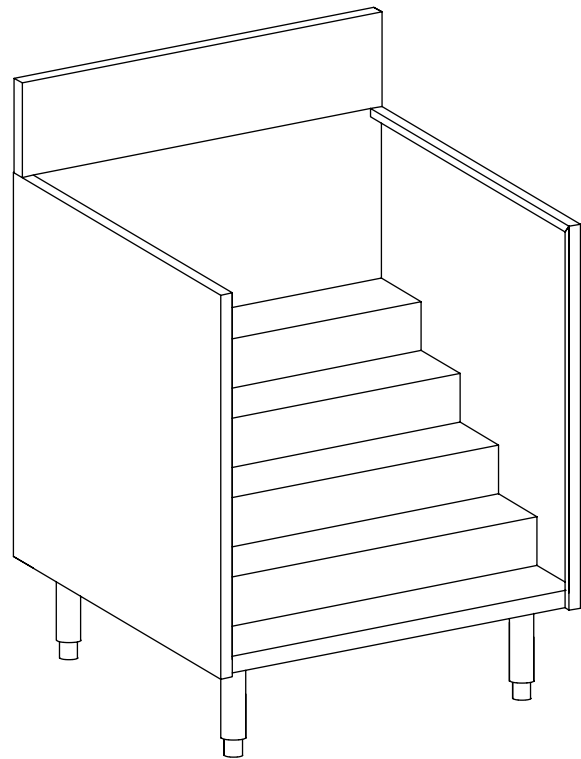
7055A3

Sizes and Specifications
Storage Bins for Liquor

MODEL NOS.	TS12LS	TS18LS	TS24LS	7055A3
Length Ins. (mm)	12" (305)	18" (457)	24" (610)	24" (610)
Ship wt lbs. (kg)	30 (14)	35 (16)	40 (18)	40 (18)
general PARTS	Sainless steel.			
Backsplash	Stainless steel 6" high (4" high optional) with 1" return at top, mechanically fastened and sealed with steel support brackets.			
Legs	**Models TS12LS, TS18LS and TS24LS**: 1⁵/₈" tubular, stainless steel with 1" adjustable thermo-plastic foot. **Model 7055A3**: 1⁵/₈" tubular, stainless steel with 1" adjustable stainless steel foot.			
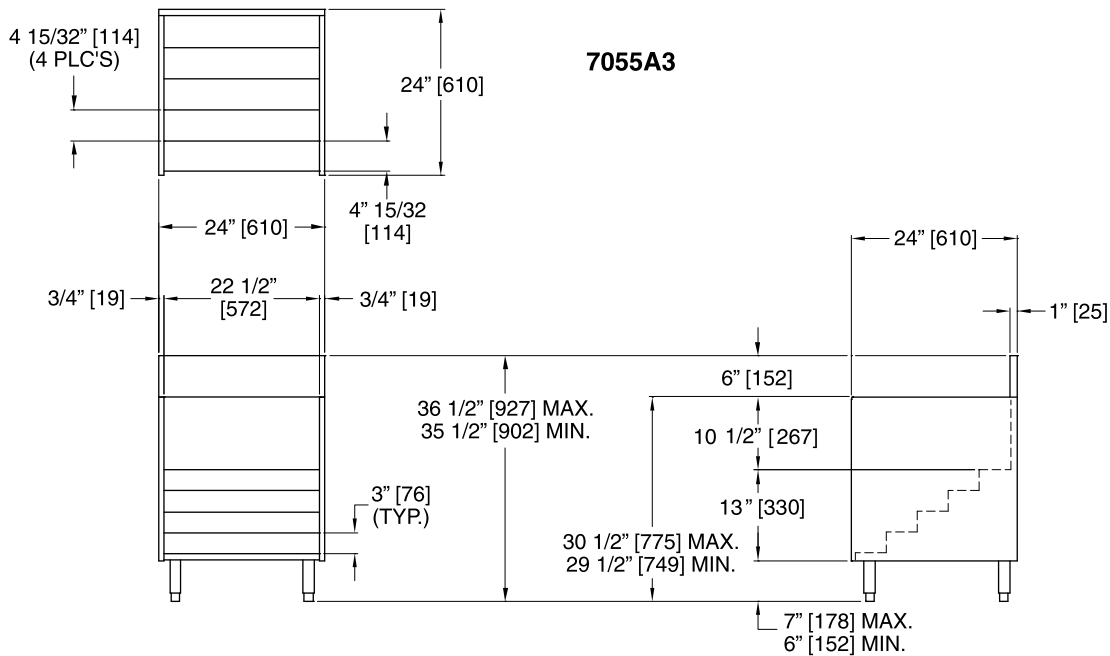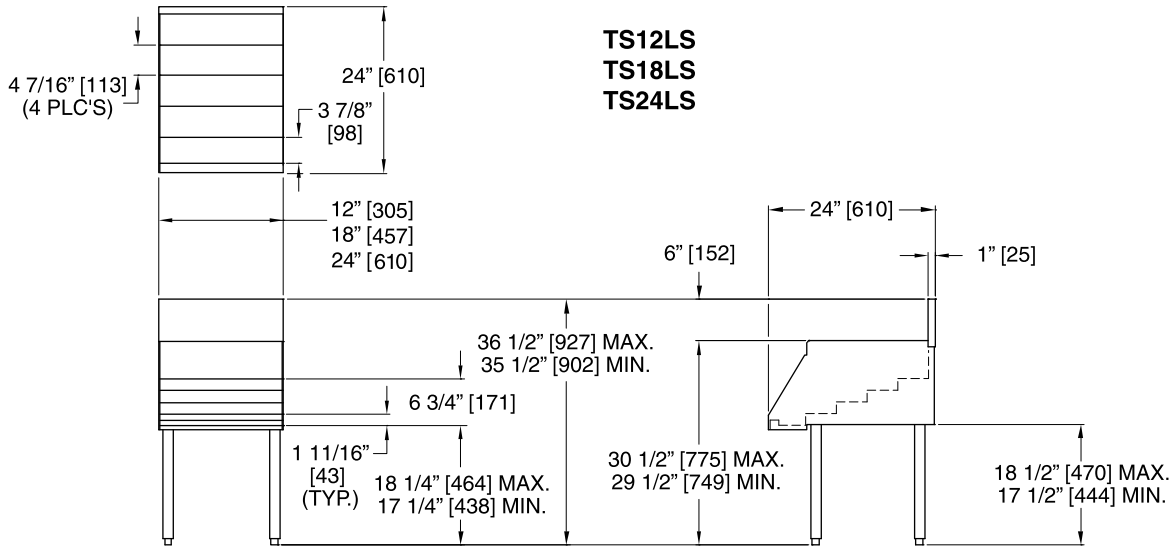
TS12LS
TS18LS
TS24LS

4 7/16" [113]
(4 PLC'S)

24" [610]

3 7/8"
[98]

12" [305]
18" [457]
24" [610]

24" [610]

6" [152]

1" [25]

36 1/2" [927] MAX.
35 1/2" [902] MIN.

6 3/4" [171]

1 11/16"
[43]
(TYP.)

18 1/4" [464] MAX.
17 1/4" [438] MIN.

30 1/2" [775] MAX.
29 1/2" [749] MIN.

18 1/2" [470] MAX.
17 1/2" [444] MIN.

7055A3

4 15/32" [114]
(4 PLC'S)

24" [610]

4" 15/32
[114]

24" [610]

3/4" [19]

22 1/2"
[572]

3/4" [19]

24" [610]

1" [25]

6" [152]

36 1/2" [927] MAX.
35 1/2" [902] MIN.

10 1/2" [267]

3" [76]
(TYP.)

13" [330]

30 1/2" [775] MAX.
29 1/2" [749] MIN.

7" [178] MAX.
6" [152] MIN.

Perlick is committed to continuous improvement.
Therefore, we reserve the right to change specifications without prior notice.

Form No. SB02
Rev. 03.30.09

Bar Hand Sink

MANUFACTURER Perlick

MODEL # TS12HSN

FEATURES - Do not predrill alignment holes.

ELECTRICAL

CONNECTION	VOLTS	PHASE	AMPS
KW	HP	ROUGH-IN HEIGHT	
ROUGH-IN COMMENTS			

PLUMBING

HW 1/2", +12"	CW 1/2", +12"	WASTE IW, 1-1/2", to FS
ROUGH-IN COMMENTS		

GAS

GAS SIZE	MBH	HEIGHT
COMMENTS		

VENTILATION

CONNECTION TYPE	CFM	STAT. PRESS.
DUCT SIZE		VENT HEIGHT
COMMENTS		

UNDERBAR SINKS
SINGLE TANK/STAINLESS STEEL BOWL

Perlick®

JOB	
AREA	
ITEM NO.	
MODEL NO.	

MODELS
TS Series
TS12HSN

NSF
C US
ASME A112.19.3/CSA B45.4
NSF/ANSI 2

Features

- Deep drawn stainless steel bowl
- NSF listed, commercial grade hot/cold water faucet (must be ordered separately)
- 16 oz. pump soap dispenser
- Underside is sound-deadening
- Stainless steel legs install without tools and have rust-free thermoplastic feet

UNDERBAR SINKS
SINGLE TANK/STAINLESS STEEL BOWL

Perlick®

MODEL NO.	TS12HSN
LENGTH, INCHES (mm)	12 (305)
SHIP WEIGHT, LBS. (kg)	50 (23)
TOP & SIDES	Stainless steel
BACK & BOTTOM	Stainless steel
BACKSPLASH	Stainless steel 6" high (4" high optional) with 1" return at the top, mechanically fastened and sealed to hand sink top with steel support brackets
LEGS	1-5/8" tubular, stainless steel with 1" adjustable thermoplastic feet
BOWL	Stainless steel, 10"x14"x9-1/4" deep. All horizontal and vertical edges 1-1/2" radius with balled corners. Furnished with 1-1/2" stainless steel drain socket. 8-1/2" standpipe. Sound deadening underside.
WATER FAUCET	Hot and cold, heavy-duty all brass construction, chrome plated goose neck swing spout faucet. **Must be ordered separately.** Lead-free faucet also available.
PLUMBING	Drain connection: 1-1/2" NPS male. Hot and cold water connection
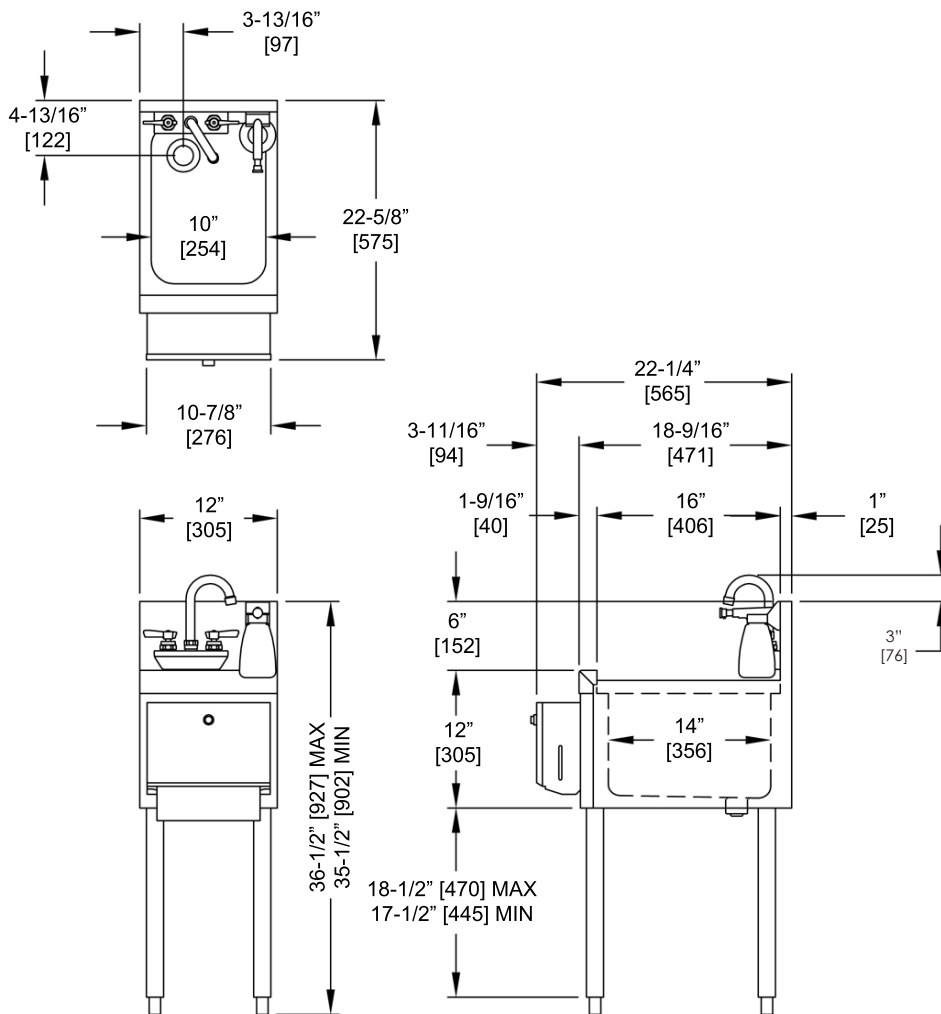
Faucet shown for clarity. Must be ordered separately.

Beer Tower

MANUFACTURER Generic

MODEL #   Generic

FEATURES   - Item by Vendor; NIC.

ELECTRICAL

CONNECTION	VOLTS	PHASE	AMPS
KW	HP	ROUGH-IN HEIGHT	
ROUGH-IN COMMENTS			

PLUMBING

HW	CW	WASTE
ROUGH-IN COMMENTS		

GAS

GAS SIZE	MBH	HEIGHT
COMMENTS		

VENTILATION

CONNECTION TYPE	CFM	STAT. PRESS.
DUCT SIZE		VENT HEIGHT
COMMENTS		

Drainboard Cabinet

MANUFACTURER Perlick

MODEL # SC30

FEATURES - Do not pre-drill alignment holes.

ELECTRICAL

CONNECTION	VOLTS	PHASE	AMPS
KW	HP	ROUGH-IN HEIGHT	
ROUGH-IN COMMENTS			

PLUMBING

HW	CW	WASTE	IW, 1-1/2", to FS
ROUGH-IN COMMENTS			

GAS

GAS SIZE	MBH	HEIGHT
COMMENTS		

VENTILATION

CONNECTION TYPE	CFM	STAT. PRESS.
DUCT SIZE		VENT HEIGHT
COMMENTS		

STORAGE CABINETS WITH
FULL DRAINBOARD TOP *(TSD DEPTH)*

NSF®

Perlick Features

- Embossed stainless steel drainboard.

- Adjustable stainless steel shelf.

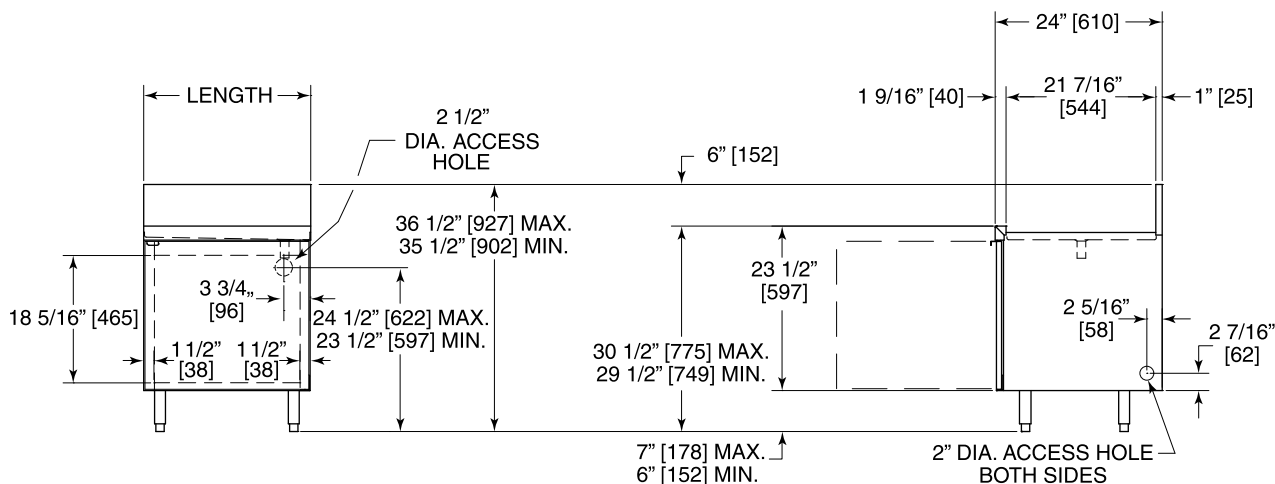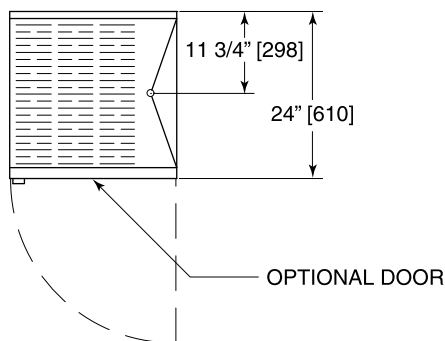- Optional door(s).

MODEL NOS.
☐ **SC12**
☐ **SC18**
☐ **SC24**
☐ **SC30**
☐ **SC36**
☐ **SC48**
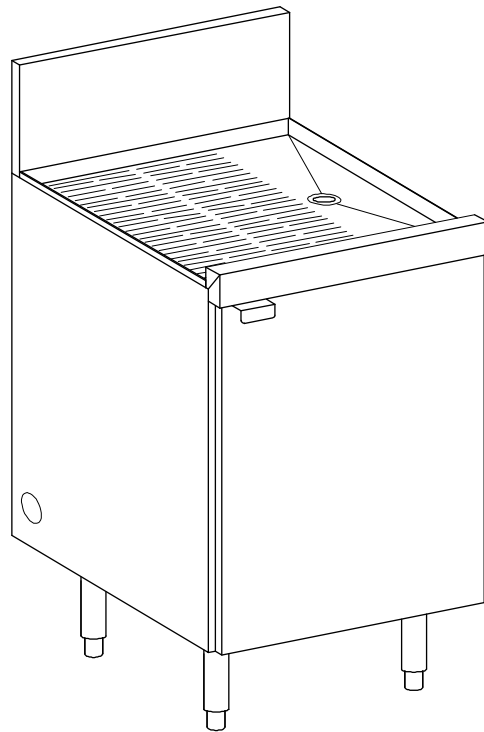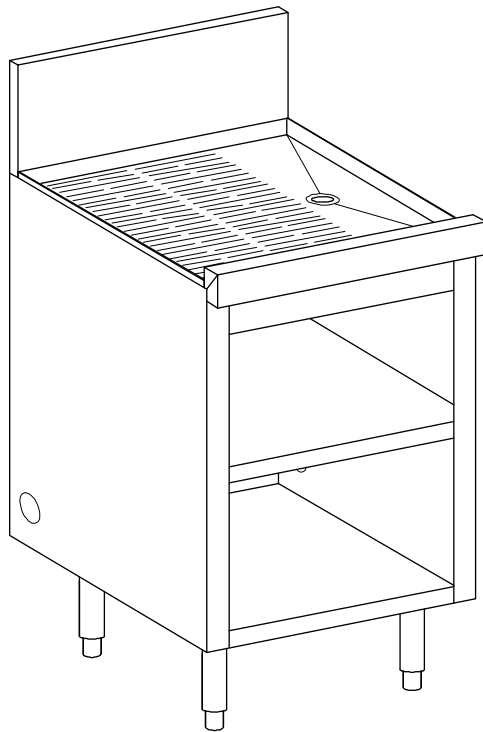
Sizes and Specifications Storage Cabinets with Full Drainboard Top *(TSD Depth)*

NSF®

Job _____
Area _____
Item No. _____
Model No. _____

MODEL NOS.	SC12	SC18	SC24	SC30	SC36	SC48
LENGTH INS. (mm)	12" (305)	18" (457)	24" (610)	30" (762)	36" (914)	48" (1219)
Ship wt lbs. (kg)	30 (14)	40 (18)	65 (30)	80 (36)	100 (45)	120 (54)
GENERAL PARTS	Stainless steel.					
BACKSPLASH	Stainless steel 6" high *(4" high optional)* with 1" return at top, mechanically fastened and sealed with steel support brackets.					
DRAINBOARD	Embossed stainless steel, 21$^7/_{16}$" deep front to back. All horizontal and vertical edges $^1/_4$" radius with balled corners. Underside reinforced with welded brackets. Stainless steel drain socket.					
SHELF	Adjustable shelf is reinforced stainless steel.					
LEGS	1$^5/_8$" tubular, stainless steel with 1" adjustable stainless steel foot.					
PLUMBING	Drain connection - 1$^1/_2$" NPS Male.					
DOOR(S) - OPTIONAL	Stainless steel outer and inner door panels. Dual magnetic catches per door. Note: Cabinets 30" or longer have two doors.					

11 3/4" [298]

24" [610]

OPTIONAL DOOR

LENGTH

2 1/2" DIA. ACCESS HOLE

6" [152]

24" [610]

1 9/16" [40]

21 7/16" [544]

1" [25]

36 1/2" [927] MAX.
35 1/2" [902] MIN.

23 1/2" [597]

18 5/16" [465]

3 3/4" [96]

24 1/2" [622] MAX.
23 1/2" [597] MIN.

1 1/2" [38]   1 1/2" [38]

30 1/2" [775] MAX.
29 1/2" [749] MIN.

2 5/16" [58]

2 7/16" [62]

7" [178] MAX.
6" [152] MIN.

2" DIA. ACCESS HOLE
BOTH SIDES

Corner Drainboard

Mark #   **830**

MANUFACTURER Perlick

MODEL #   TSF90TC

FEATURES   - Do not predrill alignment holes.

ELECTRICAL

CONNECTION	VOLTS	PHASE	AMPS
KW	HP	ROUGH-IN HEIGHT	
ROUGH-IN COMMENTS			

PLUMBING

HW	CW	WASTE	IW, 1", to FS
ROUGH-IN COMMENTS			

GAS

GAS SIZE	MBH	HEIGHT
COMMENTS		

VENTILATION

CONNECTION TYPE	CFM	STAT. PRESS.
DUCT SIZE		VENT HEIGHT
COMMENTS		

CORNER FILLER SECTIONS
INSIDE CORNERS WITH TRIMMED DRAINBOARD TOP

JOB	
AREA	
ITEM NO.	
MODEL NO.	

Perlick Features

- "Trimmed Corner" provides clearance for utilities/ beverage lines
- Embossed stainless steel drainboard
- Screw-in legs for fast installation
- Stainless steel legs install without tools and have "Rust Free" Thermoplastic feet

TS90TC

TSF90TC

Perlick®

CORNER FILLER SECTIONS
INSIDE CORNERS WITH TRIMMED DRAINBOARD TOP

MODEL NOS.	TS90TC	TSF90TC
LENGTH IN. (mm)	18-9/16" (471)	24" (610)
SHIP WT. LB. (kg)	45 (20)	50 (23)
FRONT & SIDES	Stainless steel	
BACKSPLASH	TS and TSF: 6" high with 1" return at top, mechanically fastened and sealed	
BACK	Galvanized steel	
DRAINBOARD	Embossed stainless steel. All horizontal and vertical edges 1/4" radius with balled corners. Underside reinforced with welded brackets. Stainless steel drain socket.	
LEGS	1-5/8" tubular stainless steel with 1" adjustable thermoplastic foot	
PLUMBING	Drain connection – 1-1/2" NPS male	

TS90TC

TSF90TC
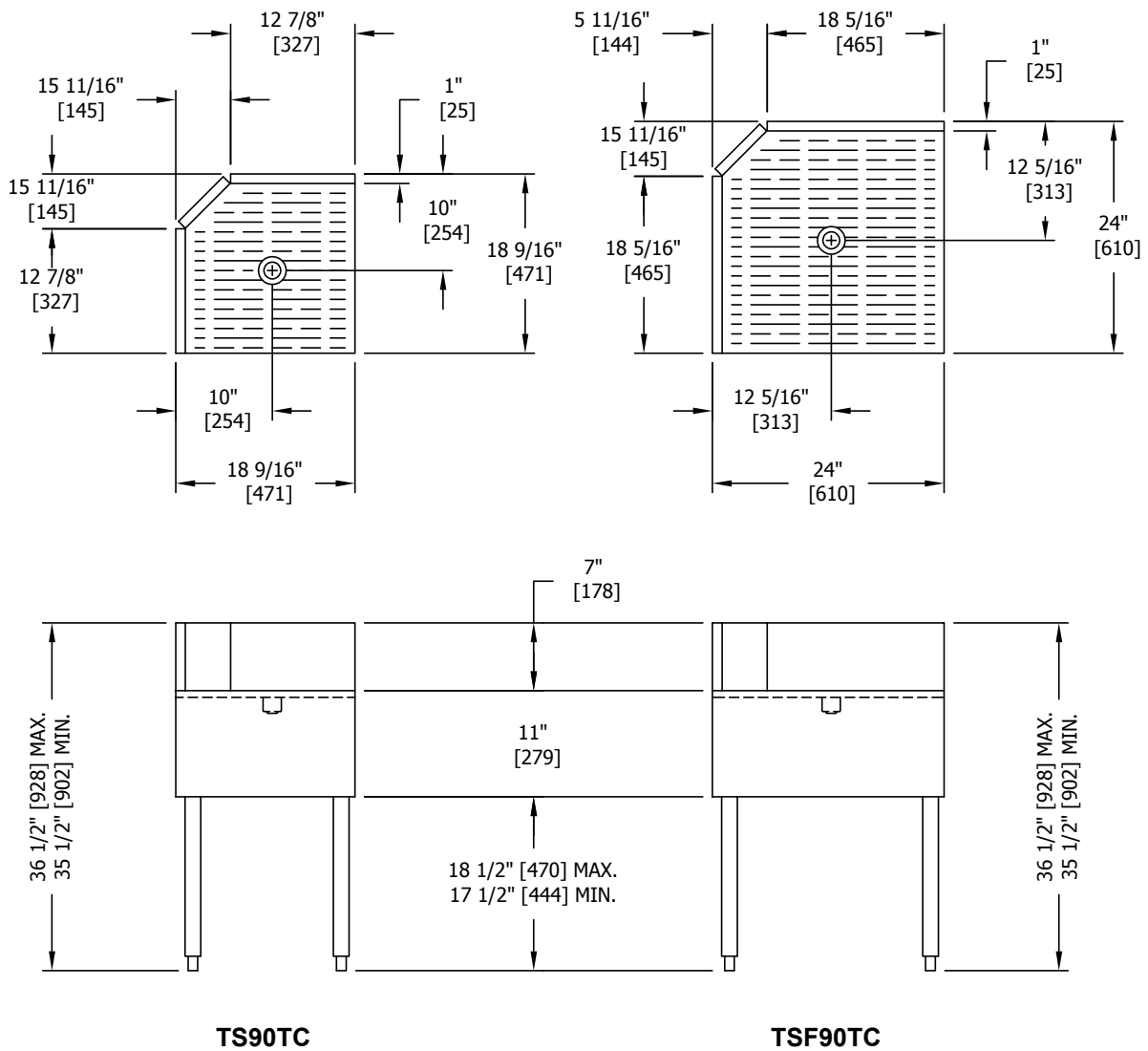
Backbar Refrigerator

MANUFACTURER   Perlick

MODEL #   BBS84-R

FEATURES   - Verify location of compressor with layout.
                     - No legs.
                     - Black finish.

ELECTRICAL

CONNECTION	DR	VOLTS	120	PHASE	1	AMPS	6.3
KW		HP		ROUGH-IN HEIGHT	+18"		
ROUGH-IN COMMENTS							

PLUMBING

HW	CW	WASTE
ROUGH-IN COMMENTS		

GAS

GAS SIZE	MBH	HEIGHT
COMMENTS		

VENTILATION

CONNECTION TYPE	CFM	STAT. PRESS.
DUCT SIZE		VENT HEIGHT
COMMENTS		

SELF-CONTAINED BACK BAR REFRIGERATOR
1-, 2-, 3- AND 4-DOOR

Perlick®

NSF · c(UL)us

5 Year Compressor Warranty

JOB	
AREA	
ITEM NO.	
MODEL NO.	

BBS36	1-Door Model
BBS60	2-Door Model
BBS84	3-Door Model
BBS108	4-Door Model

BBS36 with optional glass w/ stainless steel door shown

BBS36 with optional wine drawers shown

MODEL NUMBERS		BBS36	BBS60	BBS84	BBS108
NUMBER OF COMPARTMENTS		1	2	3	4
EXTERIOR CABINET DIMENSIONS	Length - in. (mm)	36 (914)	60 (1524)	84 (2134)	108 (2743)
	Depth - in. (mm)	24.75 (629)	24.75 (629)	24.75 (629)	24.75 (629)
	Height - in. (mm)	34.565 (878)	34.565 (878)	34.565 (878)	34.565 (878)
INTERIOR CABINET DIMENSIONS	Length - in. (mm)	20 (508)	44 (1118)	68 (1727)	92 (2337)
	Depth - in. (mm)	18.75 (476)	18.75 (476)	18.75 (476)	18.75 (476)
	Height - in. (mm)	28.5 (724)	28.5 (724)	28.5 (724)	28.5 (724)
INTERNAL VOLUME Net. Cu. Ft. (Litres)		7.4 (210)	16 (453)	24.8 (702)	33.5 (949)
PRODUCT CAPACITY	CASE PACK - 12 OZ. BOTTLE/CAN	182/273	371/553	581/868	791/1183
	STAGGERED - 12 OZ. BOTTLE/CAN	196/292	400/592	628/932	856/1272
SHIPPING WEIGHT Lbs. (kg.)		254 (115)	340 (154k)	490 (222)	671 (304)
ELECTRICAL SPECIFICATIONS	Electrical Supply	120 VAC/60 Hz/1 Ph	120 VAC/60 Hz/1 Ph	120 VAC/60 Hz/1 Ph	120 VAC/60 Hz/1 Ph
	Running Load Amps	3.2	5.5	6.3	6.3
	Electrical Connection	Cord connected	Cord connected	Cord connected	Cord connected
	Cord Plug Type	NEMA 5-15	NEMA 5-15	NEMA 5-15	NEMA 5-15
	Cord Length	8'	8'	8'	8'
	Defrost Initiation	Automatic	Automatic	Automatic	Automatic
	Defrost Type	Off cycle	Off cycle	Off cycle	Off cycle
	Thermostat	Digital control	Digital control	Digital control	Digital control
	Lighting Type	LED	LED	LED	LED

SELF-CONTAINED BACK BAR REFRIGERATOR
1-, 2-, 3- AND 4-DOOR

Perlick®

Note: Open floor drain not provided on models intended for non-packaged food.

36" [914] BBS36
60" [1524] BBS60
84" [2134] BBS84
108" [2743] BBS108

20" [508] BBS36
44" [1118] BBS60
68" [1727] BBS84
92" [2337] BBS108

13/16" [21]

10 3/8" [263]

6 1/4" [160]

1" NPS DRAIN ACCESS

4 3/4" [120]

1 1/8" [29]

6.225 [158]

⌀ 2" [51] OPTIONAL FLOOR ACCESS KIT

18 3/4" [476] BACK LINER TO INSIDE DOOR SILL

17" [433]

9 7/8" [251]

17 1/8" [435] 94°

2 3/4" MIN [71 MIN] CLEARANCE REQUIRED TO OPEN DOOR 94° & EXTEND WINE SHELVES.

23" [584] TYP

R23 3/8" [593] TYP

6 WINE SHELVES 8 BOTTLES PER SHELF

STANDARD DRAWERS -BASKETS 17 1/8" [434] LENGTH 20 1/16" [510] DEPTH 11 1/8" [282] HEIGHT

WINE DRAWERS -UPPER BASKET 17 1/8" [434] LENGTH 20 1/16" [510] DEPTH 13 1/2" [342] HEIGHT -LOWER BASKET 16 BOTTLES

BBS36
UNIT LEFT

BBS108
UNIT LEFT

BBS60
UNIT LEFT

BBS84
UNIT RIGHT

DOORS & DRAWERS 1 13/16" [46]

24 3/4" [629]

3 9/16" [90]

7 1/4" [184]

15 7/8" [403]

18 3/16" [462]

15 7/8" [403]

13 9/16" [344]

20 3/4" [527]

31 7/8" [809]

31" [788]

⌀ 2" [51] REMOVABLE ACCESS OPPOSITE CONDENSING UNIT

34 9/16" [878]

15 7/8" [403]

GLASS DOOR VIEWING AREA 19 9/16" [447] X 25 3/4" [654]

4 3/8" [111] SHELF SPACING

23 3/4" [603] DOORS & DRAWERS

DOOR OPENING 19 7/8" [504] X 28" [711]

7/8" [22] DOORS & DRAWERS

4 11/16" [119]

22 3/4" [578]

1 1/16" [26]

3/4" NPT DRAIN EXIT

6" [152]

POWER CORD EXIT RECESSED 1 1/8" [29]

2 1/16" [53]

3 1/16" [78]

Backbar Refrigerator

MANUFACTURER Perlick

MODEL #   BBS84-L

FEATURES   - Verify location of compressor with layout.
                  - No legs.
                  - Black finish.

ELECTRICAL

CONNECTION DR	**VOLTS** 120	**PHASE** 1	**AMPS** 6.3
KW	**HP**	**ROUGH-IN HEIGHT** +18"	
ROUGH-IN COMMENTS			

PLUMBING

HW	**CW**	**WASTE**
ROUGH-IN COMMENTS		

GAS

GAS SIZE	**MBH**	**HEIGHT**
COMMENTS		

VENTILATION

CONNECTION TYPE	**CFM**	**STAT. PRESS.**
DUCT SIZE	**VENT HEIGHT**	
COMMENTS		

SELF-CONTAINED BACK BAR REFRIGERATOR
1-, 2-, 3- AND 4-DOOR

Perlick®

NSF · c(UL)us

5 Year Compressor Warranty

JOB	
AREA	
ITEM NO.	
MODEL NO.	

BBS36	1-Door Model
BBS60	2-Door Model
BBS84	3-Door Model
BBS108	4-Door Model

BBS36 with optional glass w/ stainless steel door shown

BBS36 with optional wine drawers shown

MODEL NUMBERS		BBS36	BBS60	BBS84	BBS108
NUMBER OF COMPARTMENTS		1	2	3	4
EXTERIOR CABINET DIMENSIONS	Length - in. (mm)	36 (914)	60 (1524)	84 (2134)	108 (2743)
	Depth - in. (mm)	24.75 (629)	24.75 (629)	24.75 (629)	24.75 (629)
	Height - in. (mm)	34.565 (878)	34.565 (878)	34.565 (878)	34.565 (878)
INTERIOR CABINET DIMENSIONS	Length - in. (mm)	20 (508)	44 (1118)	68 (1727)	92 (2337)
	Depth - in. (mm)	18.75 (476)	18.75 (476)	18.75 (476)	18.75 (476)
	Height - in. (mm)	28.5 (724)	28.5 (724)	28.5 (724)	28.5 (724)
INTERNAL VOLUME Net. Cu. Ft. (Litres)		7.4 (210)	16 (453)	24.8 (702)	33.5 (949)
PRODUCT CAPACITY	CASE PACK - 12 OZ. BOTTLE/CAN	182/273	371/553	581/868	791/1183
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SHIPPING WEIGHT Lbs. (kg.)		254 (115)	340 (154k)	490 (222)	671 (304)
ELECTRICAL SPECIFICATIONS	Electrical Supply	120 VAC/60 Hz/1 Ph	120 VAC/60 Hz/1 Ph	120 VAC/60 Hz/1 Ph	120 VAC/60 Hz/1 Ph
	Running Load Amps	3.2	5.5	6.3	6.3
	Electrical Connection	Cord connected	Cord connected	Cord connected	Cord connected
	Cord Plug Type	NEMA 5-15	NEMA 5-15	NEMA 5-15	NEMA 5-15
	Cord Length	8'	8'	8'	8'
	Defrost Initiation	Automatic	Automatic	Automatic	Automatic
	Defrost Type	Off cycle	Off cycle	Off cycle	Off cycle
	Thermostat	Digital control	Digital control	Digital control	Digital control
	Lighting Type	LED	LED	LED	LED

Perlick®

SELF-CONTAINED BACK BAR REFRIGERATOR
1-, 2-, 3- AND 4-DOOR

Note: Open floor drain not provided on models intended for non-packaged food.

36" [914] BBS36
60" [1524] BBS60
84" [2134] BBS84
108" [2743] BBS108

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BBS36
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3/4" NPT DRAIN EXIT

DOORS & DRAWERS

6" [152]

POWER CORD EXIT RECESSED 1 1/8" [29]

2 1/16" [53]

3 1/16" [78]

Spare Numbers

MANUFACTURER

MODEL #

FEATURES

ELECTRICAL

CONNECTION	VOLTS	PHASE	AMPS
KW	HP	ROUGH-IN HEIGHT	
ROUGH-IN COMMENTS			

PLUMBING

HW	CW	WASTE
ROUGH-IN COMMENTS		

GAS

GAS SIZE	MBH	HEIGHT
COMMENTS		

VENTILATION

CONNECTION TYPE	CFM	STAT. PRESS.
DUCT SIZE		VENT HEIGHT
COMMENTS		

Walk-In Cooler

MANUFACTURER Bally

MODEL # Per Plan

FEATURES
- Size and shape as shown on plan +7'-9" high; verify each site-adapted plan to detect any variations.
- Install into slab depression 4" below finished floor level.
- 16 Ga. NSF-approved floor finish.
- Non-slip treadstrips on 6" centers in all walk areas.
- Aluminized galvanized steel exterior.
- White enameled interior walls and ceiling panels for reflectance.
- One additional 100W shielded, incandescent ceiling-mounted light fixture.
- 34" door with aluminum kickplate, door closer, and locking latch with inside release knob.

ELECTRICAL

CONNECTION	JB	**VOLTS**	120	**PHASE**	1	**AMPS**	
KW	800W	**HP**		**ROUGH-IN HEIGHT**	DFA +108"		
ROUGH-IN COMMENTS		Lights					

PLUMBING

HW		**CW**		**WASTE**	
ROUGH-IN COMMENTS					

GAS

GAS SIZE		**MBH**		**HEIGHT**	
COMMENTS					

VENTILATION

CONNECTION TYPE		**CFM**		**STAT. PRESS.**	
DUCT SIZE				**VENT HEIGHT**	
COMMENTS					

Use this section of the Bally Working Data Catalog to find useful facts on Bally walk-in coolers, walk-in freezers and refrigerated buildings. You'll find details on urethane insulation, panel construction, the Speed-lok® joining system and other important aspects of our structures. Section 1 is focused on walk-ins. See Section 6 for information on refrigerated buildings exclusively.

Bally panels can be assembled to create superb insulated structures from warehouse to kitchen size.

SOLID FUNDAMENTALS: THE PRE-ENGINEERED PANEL

In making our panels, we take nothing for granted. We design and build our own heated molds, in which our panels are foamed-in-place precisely and accurately. The prime insulation built into those panels provides dimensional stability through a wide range of temperatures.

Standard Bally Panel
4", 5" or 6" thick
(Facing inside)

1. Outside skins are available in white polyester over smooth galvanized, white polyester or sand-tan polyester over embossed galvanized, embossed aluminum, embossed Galvalume® or stainless steel. Optional finishes in a spectrum of custom colors are also available, as are Sandex sand-textured finishes.

2. Bally wash primer for optimum foam adhesion.

3. Foamed-in-place urethane insulation, (poured, not frothed).

4. Tongues and grooves on panel edges are accurately molded urethane.

5. Cam-action Speed-lok joining mechanism for snug joints.

6. Heavy-gauge steel straps connect locking arms with locking pins on opposite edges of each panel.

7. Inside skins are available in white polyester over smooth or embossed galvanized, embossed aluminum, embossed Galvalume or stainless steel.

8. Interior metal floor panel skin. Heavy-gauge galvanized steel or optional stainless steel.

9. Exterior metal floor panel skin. Usually supplied in same finish as vertical panels. Edges capped with matching metal when stainless steel or white over galvanized steel are specified for verticals.

Type of Panel	Lengths	Widths	Heights/Comments †
Center Ceiling Panels	Vary **	11-1/2", 23", 34-1/2" or 46"*	——
End Ceiling Panels	Vary **	23-1/2"	——
Corner Panels	——	12" x 12" Outside width	6'10" thru 10'10", 11'4" thru 19'4", 19'8" thru 27'8" in one foot increments.††
Hinged Door Panels 4", 5" or 6"	——	46" Wide — 30" and 36" Opngs. 57-1/2" Wide — 36", 42", 48" Opngs. 69" Wide — 36", 42", 48" or 60" Opngs.	6'10", 7'10"; for taller buildings, panels of an appropriate size are installed above the door panel.
Wall Panels	——	11-1/2", 23", 34-1/2" or 46"*	6'10" thru 10'10", 11'4" thru 19'4", 19'8" thru 27'8" in one-foot increments.
Center Floor Panels	Vary **	11-1/2", 23", 34-1/2" or 46"*	——
End Floor Panels	Vary **	23-1/2"	——

* 17-1/4" wide panels available for special uses. Contact factory for details.
** Maximum length for 4" and 5" thick floor and ceiling panels is 11'6" for multi-span and 17'4" for single span (indoors).
   Smallest building size is 3'11"w x 5'10"l, size increases in 11-1/2" increments to any size building. For height, see "wall panels" above.
† Heights shown are for vertical panels only, for overall height add thickness of appropiate floor and ceiling panels.
†† May be fabricated in two pieces.

4

How the Diaphragmatic System Helps You

Because it's so easy to use, Bally's Speed-lok-based diaphragmatic joining system drastically cuts time and labor costs for most installations. Two inexperienced workers can assemble a 6' x 8' structure in three or four hours, a fraction of the time it would take to install a built-in unit of conventional construction — or other walk-in brands. And Bally structures are equally simple to enlarge or relocate.

To make a walk-in or refrigerated building larger, panels can be added to sides or ends of the building. Users can buy a building that fits current requirements, so no space is wasted. When growth demands a bigger building, the swift addition of extra panels completes the job. Should the need arise, a Bally structure can be disassembled and relocated with ease.

Diaphragmatic Joining System — A Bally Exclusive!

2" Steel Straps for Lock-to-Lock-to-Lock Connections

All-Steel Door Frame Connects to Wall and Ceiling Panels

Door Frame Connection

Wall-to-Ceiling Connection

Cam-mounted Hook Engages Steel Pin in Adjoining Panel

Floor-to-Wall Connection

Bally Speed-lok Joining Mechanism

Tongue-and-Groove Panel Edges

Wall Panel Connection

DEPEND ON BALLY'S FOAMED-IN-PLACE URETHANE INSULATION

In a time when the elimination of CFCs has severely curtailed the effectiveness of many insulations, Bally's poured-foam urethane remains an outstanding choice.

The current formulation used in our panels relies on HCFCs, meeting international standards for CFC reduction as well as the U.S. Clean Air Act. Compared to the CFCs they replace, HCFCs reduce ozone depletion by a factor of ten. Yet they yield insulation with outstanding resistance to the transfer of heat — substantially more effective at resisting the transfer of heat than fiberglass, polystyrene or other common insulating materials.

You also get these important advantages when you choose Bally:

- **Dimensional stability** — Bally urethane maintains its shape and size through a wide range of temperatures.

- **Light weight** — Poured-foam urethane insulation makes Bally panels light in weight, so they're easy to handle.

- **Energy efficiency** — The insulating superiority of Bally urethane saves money. You'll pay less to cool your Bally structure.

Approvals and Listings

Some manufacturers' statements of product safety are nothing but empty claims. Bally backs what it says with approvals and listings from leading independent quality certification organizations. Buyers can be sure that Bally products live up to the maker's claims and their own standards.

Underwriters Laboratories

No independent testing organization is more respected than Underwriters Laboratories. The tag at right, showing UL-tested listings for flame spread and smoke developed, appears on every Bally panel. It proves that the panels are UL-classified — a vital assurance to every buyer.

UL listings have also been granted to electrical systems in Bally structures, including interior lights, door heaters and refrigeration systems.

Factory Mutual

Bally panels have been approved as a Class 1 building material by Factory Mutual Insurance System, Norwood, Mass. This approval means that Bally wall and ceiling panels meet FM standards for walk-ins and refrigerated buildings without sprinklers.

New York City

Stringent tests on their urethane insulation have earned Bally walk-ins and refrigerated buildings the Materials and Equipment Approval of the City of New York. Also, to conform to the standards imposed by the city's Advisory Board, Bally makes available special wiring systems and a low-voltage heater.

National Sanitation Foundation

Approval of the National Sanitation Foundation is granted to Bally installations incorporating floor panels with a 3/8" coved offset.

Bally holds many more state and municipal code approvals. For details, contact our corporate headquarters in Morehead City, North Carolina.
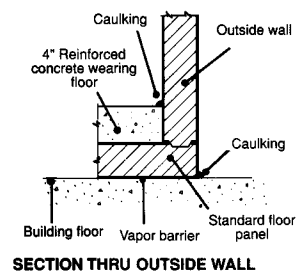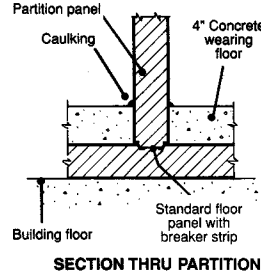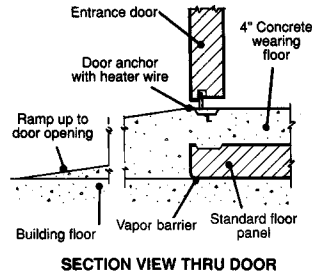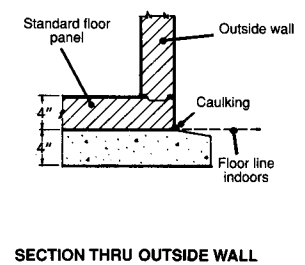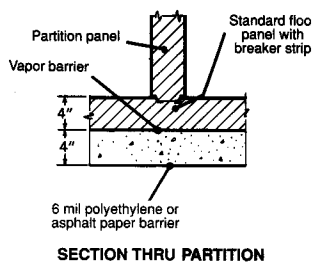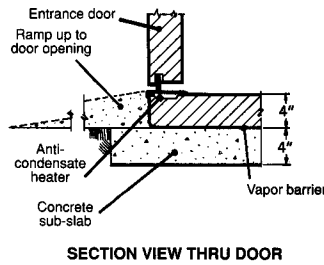
FLOOR CONSTRUCTION — CONTINUED
WALK-IN FLOORS — CONTINUED

Additional underfloor heating and venting may be required to prevent frost heaving of the floor, depending on size, temperature of application and location. See page three, this section. (Dimensions shown are for 4"-thick panels; if 5" or 6" panels are used, adapt drawings accordingly by adding 1" to inside of wall thickness.)
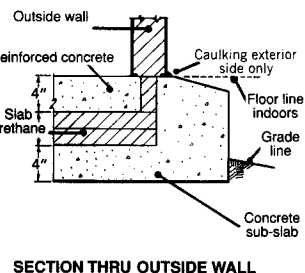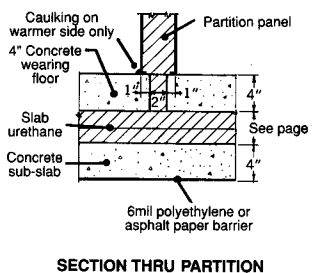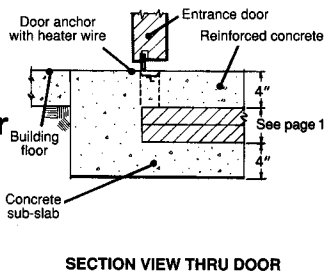
Because requirements vary widely with individual site conditions and local construction regulations, design, review and approval of all such plans must be the responsibility of an engineer familiar with the circumstances of the individual installation.

Bally floor panels on existing floor with concrete wearing floor (indoors or outdoors)

SECTION VIEW THRU DOOR SECTION THRU PARTITION SECTION THRU OUTSIDE WALL

Bally floor panels on concrete pad (indoors or outdoors)

SECTION VIEW THRU DOOR SECTION THRU PARTITION SECTION THRU OUTSIDE WALL

Built-in insulated floor (indoors or outdoors)

SECTION VIEW THRU DOOR SECTION THRU PARTITION SECTION THRU OUTSIDE WALL

Built-in insulated floor (indoors only)

SECTION VIEW THRU DOOR SECTION THRU PARTITION SECTION THRU OUTSIDE WALL

FLOOR CONSTRUCTION — CONTINUED
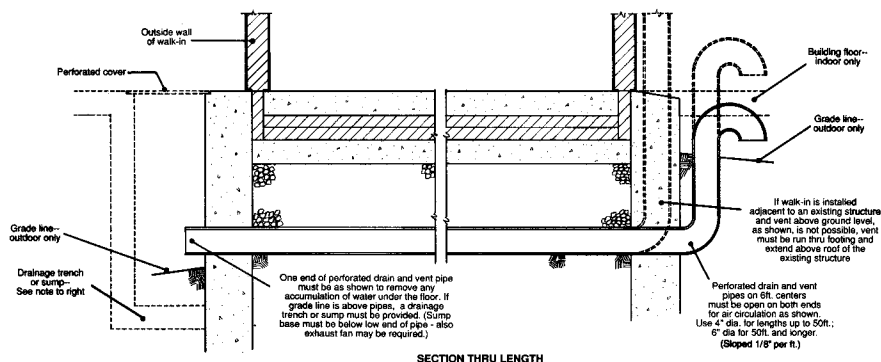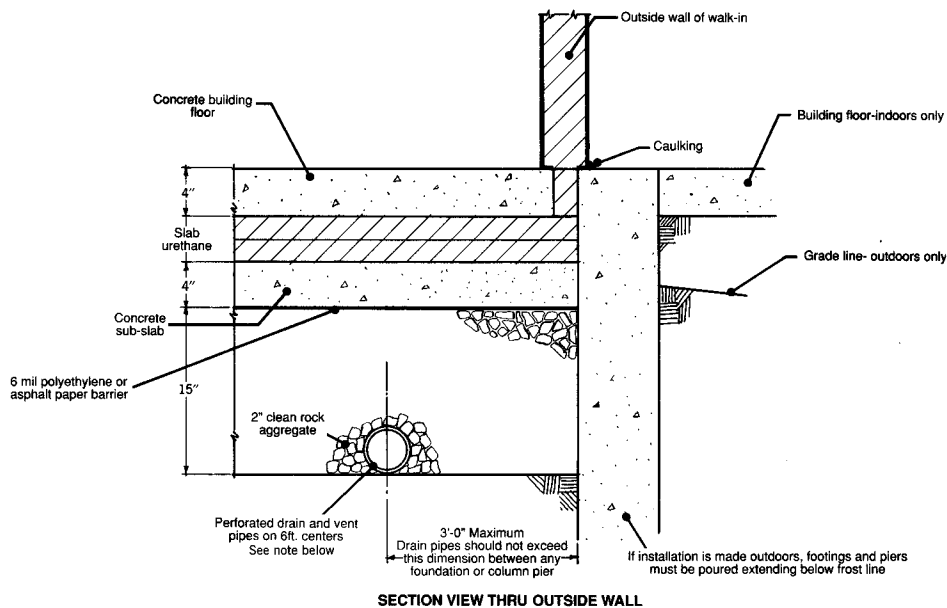## DRAIN AND VENT PIPES

Walk-ins or refrigerated buildings operating at or below 32°F (0°C) must be equipped with some form of underfloor heating or ventilation to prevent ground water from freezing and heaving the floor. Perforated drain and vent piping with gravel fill is Bally's preferred recommendation; alternatives include glycol piping or resistance heating.
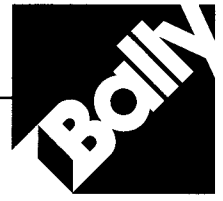
Drain and vent tiles are especially useful:

a. When coolers or freezers are located in areas with high water tables. In such areas they drain off excess water and serve as air vents to keep the area under the slab dry.

b. Generally when freezers or cooler-freezer combinations are more than 225 square feet in floor area and the ambient temperatures are higher than the ground temperature. These drain and vent pipes provide passages for the flow of warm air. This air flow stores heat in the ground to prevent ice build-up that could eventually cause the floor to heave.

No matter which subfloor treatment is chosen, it's vital that an engineer familiar with the circumstances of the individual installation be employed through the design and construction stages.

ASHRAE-recommended Subfloor Treatments with Drain and Vent Tiles

SECTION VIEW THRU OUTSIDE WALL

SECTION THRU LENGTH

SPECIFICATIONS

TO USE THESE SPECS, SIMPLY CHECK OR WRITE IN THE APPLICABLE DETAILS IN EACH SECTION

1. Sectional walk-in refrigerators and/or freezers complete with doors shall be manufactured by Bally Refrigerated Boxes, Inc. Overall size of walk-in shall be _____ long x _____ wide x _____ high.

Fill in lengths and widths from this list: 5'10", 6'9-1/2", 7'9", 8'8-1/2", 9'8", 10'7-1/2", 11'7", 12'6-1/2", 13'6", 14'5-1/2", 15'5", 16'4-1/2", 17'4", 18'3-1/2", 19'3", 20'2-1/2", 21'2", 22'1-1/2", 23'1", 24'1/2", 25'0", 25'11-1/2", 26'11", 27'10-1/2".

Longer or wider buildings are available in additional 11-1/2" increments.

Fill in heights from this list (heights shown are with floor; subtract 4" for less-floor units): 7'6", 8'6", 9'6", 10'6", 12', 13', 14', 15', 16', 17', 18', 19', 20'4", 21'4", 22'4", 23'4", 24'4", 25'4", 26'4", 27'4", 28'4". (Single length verticals)

Taller buildings are available in additional 12" increments, with stacked vertical panels.

2. Foam core of panels shall be Underwriters Laboratories-listed as having flame spread of 25 or lower and smoke generation of 450 or lower when tested in accordance with ASTME-84-76. Panels shall be approved by Factory Mutual as a Class I building type. They shall be foamed using HCFC expanding agents and shall meet all current international standards.

3. All work and materials shall be in full accordance with local and/or state ordinances, and with any other prevailing rules and regulations.

Bally Refrigerated Boxes, Inc., is not responsible for furnishing items required by the regulations, unless specified or shown on the drawings or contained in the specifications.

4. Panels shall consist of interior and exterior metal skins precisely formed with steel dies and roll-form equipment and thoroughly checked with gauges for accuracy. The metal skins shall be placed into heated molds and liquid urethane injected between them. For extra rigidity, the exteriors of all vertical panels except corners and door panels shall have vertical grooves spaced on 5-3/4" centers. Urethane shall be foamed-in-place (poured, not frothed) and, when completely heat-cured, shall bind tenaciously to the metal skins to form an insulated panel. Panels shall contain 100 percent urethane insulation and have no internal wood or structural members between the skins. To insure tight joints, panel edges must have foamed-in-place tongues and grooves with a flexible vinyl gasket on the interior and exterior of all tongue edges. Gaskets shall be resistant to damage from oil,

fats, water and detergents and must be NSF-approved. Panel thickness: 4"_____ 5"_____ 6"_____

5. Exterior Finish
- A. _____ Stucco-embossed Galvalume® steel
- B. _____ Smooth galvanized steel with white polyester painted finish
- C. _____ Stainless steel
- D. _____ Stucco-embossed aluminum
- E. _____ Stucco-embossed aluminum with white polyester painted finish
- F. _____ Stucco-embossed galvanized steel with sand-tan polyester painted finish
- G. _____ Stucco-embossed galvanized steel with white polyester painted finish
- H. _____ Kynar over steel
- I. _____ Sandex stone-textured finish over steel

6. Interior Finish
- A. _____ Stucco-embossed Galvalume steel
- B. _____ Smooth galvanized steel with white polyester painted finish
- C. _____ Stainless steel
- D. _____ Stucco-embossed aluminum
- E. _____ Stucco-embossed aluminum with white polyester painted finish
- F. _____ Stucco-embossed galvanized steel with sand-tan polyester painted finish
- G. _____ Stucco-embossed galvanized steel with white polyester painted finish

7. All panels except corner panels shall be made in 23" and 46" widths, fully interchangeable for fast, easy assembly. Panels 11-1/2", 17-1/4" or 34-1/2" wide are to be furnished only if required to fit the allocated space. To assure perfect alignment and maximum strength, corner panels shall employ a right-angle configuration with exterior horizontal dimensions of 12" on each side. Vertical panels (except corner panels) shall be supplied in a single length up to 28' high (16' high for installations with aluminum or stainless steel finish). For outdoor applications, single-height panels greater than 19' (16' for aluminum) or multi-tiered vertical panels must be secured to horizontal girts mounted between building columns.

8. Panels shall be equipped with Bally Speed-lok diaphragmatic joining devices. The distance between locks shall not exceed 46". Each device shall consist of a cam-action, hooked locking arm placed in one panel, and a steel rod positioned in the adjoining panel, so that when the arm is rotated, the hook engages the rod and draws the panels tightly together with cam action. Arms and rods shall be housed in individual steel pockets. Pockets on one side of the panel shall be connected to pockets

1

on the other side in width, by the use of 2"-wide metal straps set into and completely surrounded by the insulation. When panels are joined together, these straps shall form lock-to-lock connections for extra strength.

9. Floor Construction — Bally furnishes floor panels only. All construction and preparation for Bally floor panels must be provided by others. Floor panel construction shall be similar to that described in sections 7 and 8 above, but with a heavier-gauge interior skin; thickness of floor panels may be different than that of vertical panels. 4"-thick floor panels can be NSF or non-NSF. 5"- and 6"-thick panels are non-NSF.

A. _____ Light-usage Floor — Floor panels shall be placed on a concrete pad and leveled. Where inside floor and outside platform must be level, the concrete pad shall be made with a depression deep enough to receive the Bally floor panels.

B. _____ Heavy-usage Floor — Floor panels shall be placed on a depressed concrete pad and leveled. After supporting steel is assembled, a 4" reinforced concrete wearing floor shall be poured. The depression shall be deep enough to make interior and exterior finished floors the same height.

C. _____ Built-in, Insulated Floor — The floor shall be constructed on the job site. It shall consist of a depressed, reinforced concrete sub-slab. Slab urethane shall be built into this depressed slab and tile floor or 4" reinforced concrete wearing floor installed on top. Wall panels shall be fastened to this floor. Adequate drainage and ventilation or other heat source must be provided beneath and around all construction.

Floor Panel Finishes
A. _____ 14 ga. galvanized steel
B. _____ 16 ga. stainless steel

Special Construction Floor Panels
A. _____ Reinforced Floor Panels — 4"-thick insulated floor panels contain non-conductive structural imbeds for maximum strength without freezing. Standard steel plate overlay adds strength. Panels support up to 1200 pounds per square foot (evenly distributed) and support pallet jacks or light forklifts with total weight of up to 2000 pounds per wheel (diamond plate overlay required).

10. Hinged Entrance Door Panels
Number of doors_____

Width and height of each door

_____

(Select dimensions from this list:)

Widths: 30"   36"   42"   48"   60"
Heights: 78"   84"

Number of doors, location and direction of swing is specified on the plans. Doors are infitting and flush-mounted.

Construction shall be as specified in 7.

Magnetic core, thermoplastic gaskets installed on the top edge and both sides of the door shall keep the door in a closed position, forming a tight seal; a flexible, dual-blade wiper gasket shall be installed at the bottom of the door. NSF-approved gaskets shall be replaceable and resistant to damage from oil, fats, water and detergent.

A heavy U-channel structural steel frame around the perimeter of the door opening shall prevent racking or twisting; steel frame is to be reinforced for hardware attachment.

Anti-condensate heater wire shall be concealed behind the metal edge of the door jambs. The door panel shall also include a vapor-proof interior lamp; junction box for 120v., 60 cycle, 1 phase, a.c. service (15 amp maximum); 2"-dia. flush-face dial thermometer (field mounted on 60" wide doors); and weather hoods for outdoor installations.

Hardware
A. _____ For doors with 30" or 36"-wide openings: two spring-loaded, self-closing hinges; cylinder latch with provision for padlocking and safety release mechanism; door closer.

B. _____ For doors with 42", 48" or 60"-wide openings: hinges are uplift type with blades not less than 9" long; latch shall include provision for padlocking and safety release mechanism.

Hardware Finishes
A. _____ For walk-ins finished with stainless steel — polished aluminum

B. _____ For walk-ins with finishes other than stainless steel — satin aluminum

C. _____ For walk-ins with any finish (if desired) — chrome-plated

Door Options
A. _____ Hinged Super Entrance Door — Construction is identical to that of a standard door except that a third hinge is added and the door and portion of door panel are protected by diamond-plate kick panels covering the bottom 32" on interior and exterior. Show number and size of super doors

_____

_____

(Check following options as desired.)

B. _____ Observation Window in Entrance Door — (a 14-1/2" x 24" heated observation window shall be

SPECIFICATIONS — CONTINUED

provided in the entrance door. It consists of three panes of glass with sealed air spaces between them. The window shall be supplied with heated glass and frame and unit shall be removable for replacement.)

C. _____ Mortise Lock — Heavy-duty, dead-bolt lock with full safety release capabilities. Mortise lock installations shall also be provided with stainless steel pins engaging the door frame on the hinged side.

D. _____ Strip Curtain — Sturdy, NSF-approved, clear-vinyl strip curtains shall permit easy passage while minimizing air infiltration.

11. **Options** — check as desired

A. _____ Pressure Relief Port (required for all freezers)

B. _____ Partition Walls — Insulated, 4"-thick metal-clad panels shall be provided to form separate compartments within the walk-in. A non-conductor strip must be built into all exterior panels at the joints where partitions butt to prevent transfer of heat from one compartment to another. Partition panels shall be Speed-Lok'ed to these panels. Construction shall be as specified in 7 above.

C. Roof Options — One of the following types must be used for any outdoor installation:

_____ Sectional prefab metal roof shall be used with structures installed outdoors on buildings of any length but not exceeding 34'7" in width. Roofs shall be made of stucco-embossed aluminum.

_____ Single-piece, presized membrane roof system; maximum dimensions: 34'7" x 34'7".

_____ Built-up type by others.

D. Alarm Systems

_____ Audio-Visual Alarm System

_____ Audio-Visual Alarm with digital temperature readout Hi set point only

_____ Audio-Visual Alarm with digital temperature readout Hi Low set point with dry contact

E. _____ Double-swing Cart Door

F. Reach-in Doors for Product Loading (insulated solid type)
Insert correct sizes: 18-1/2" x 30" or 30" x 30"
Single _____   Size _____
Double _____   Size _____

G. Glass Display Doors
Number _____   Size _____

H. Wire Shelving
Cantilevered _____   Freestanding _____
No. of tiers _____   Finish _____
Width _____

I. Other Options

_____

_____

_____

_____

12. **Mechanical Refrigeration**

_____ Hermetic

_____ Semi-hermetic

_____ Self-contained

_____ Preassembled remote

_____ Condensing unit:
Indoors _____ (or)
    Outdoors _____
Horsepower_____
Voltage _____
Phase_____
Cycles _____
Low-ambient kit
    (winter controls) _____

(For multi-compartment units, provide plan view with compartment temperatures.)

13. **Warranties**

Bally shall warrant that any part of the structure it supplies (except the refrigeration system and its related accessories) is free from defects in materials or workmanship under normal use and service. The insulated panel portion of the structure is warranted free from defects under normal use and service for a period of 10 years from date of installation (but in no event shall the warranty be in force for more than 10 years and 6 months from the date the product was first shipped by Bally). Panel surface condition is warranted free from defects under normal use and service for one year from installation, provided the panel is stored and installed according to Bally's instructions. Mechanical (including hardware, gasketing, Speed-lok assemblies, aluminum weather roofs) and electrical components, except refrigeration systems (which are covered by a separate warranty) are warranted to be free from defects under normal use and service for one year from date of installation. (In no case shall this portion of the warranty be in force for more than one year and six months from the date the product was first shipped by Bally.) The warranty shall not include any labor charges for replacement or repair of defective parts or refrigeration. Full warranty information is to be provided with the walk-in.

Refrigeration System +35°F - Coil

MANUFACTURER Bohn

MODEL #   Per Plan

FEATURES   - Set to maintain +35°F in cooler section of cabinet.
                   - Assemble complete operating system per General Specifications.
                   - Building sleeves for installation of refrigerant lines shall be provided by G.C.

ELECTRICAL

CONNECTION	JB	**VOLTS**	208	**PHASE**	1	**AMPS** 4.2
KW		**HP**		**ROUGH-IN HEIGHT** DFA +108"		
ROUGH-IN COMMENTS	Vfy.					

PLUMBING

HW	**CW**	**WASTE** IW, 1", to FS
ROUGH-IN COMMENTS Coil		

GAS

GAS SIZE	**MBH**	**HEIGHT**
COMMENTS		

VENTILATION

CONNECTION TYPE	**CFM**	**STAT. PRESS.**
DUCT SIZE		**VENT HEIGHT**
COMMENTS		

Specifications

Model ADT Air Defrost | 60 Hz

Model	HP	Shaded Pole Motor				PSC, PSC-TE Motor						EC Motor			
		115/1/60		208-230/1/60		115/1/60		208-230/1/60		460/1/60		115/1/60		208-230/1/60	
		Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts
ADT040	1/15	1.8	116	1.0	122	1.0	82	0.5	91	0.4	117	0.9	57	0.5	59
ADT052	1/15	1.8	116	1.0	122	1.0	82	0.5	91	0.4	117	0.9	57	0.5	59
ADT065	1/15	1.8	116	1.0	122	1.0	82	0.5	91	0.4	117	0.9	57	0.5	59
ADT070	1/15	3.6	232	2.0	244	2.0	164	1.0	182	0.8	234	1.8	114	1.0	118
ADT090	1/15	3.6	232	2.0	244	2.0	164	1.0	182	0.8	234	1.8	114	1.0	118
ADT104	1/15	3.6	232	2.0	244	2.0	164	1.0	182	0.8	234	1.8	114	1.0	118
ADT120	1/15	3.6	232	2.0	244	2.0	164	1.0	182	0.8	234	1.8	114	1.0	118
ADT130	1/15	3.6	232	2.0	244	2.0	164	1.0	182	0.8	234	1.8	114	1.0	118
ADT140	1/15	5.4	348	3.0	366	3.0	246	1.5	273	1.2	351	2.7	171	1.5	177
ADT156	1/15	5.4	348	3.0	366	3.0	246	1.5	273	1.2	351	2.7	171	1.5	177
ADT180	1/15	5.4	348	3.0	366	3.0	246	1.5	273	1.2	351	2.7	171	1.5	177
ADT208	1/15	7.2	464	4.0	488	4.0	328	2.0	364	1.6	468	3.6	228	2.0	236
ADT260	1/15	9.0	580	5.0	610	5.0	410	2.5	455	2.0	585	4.5	285	2.5	295
ADT312	1/15	10.8	696	6.0	732	6.0	492	3.0	546	2.4	702	5.4	342	3.0	354
ADT370	1/15	10.8	696	6.0	732	6.0	492	3.0	546	2.4	702	5.4	342	3.0	354

Model ADT Air Defrost | 50 Hz

Model	HP	PSC Motor						EC Motor			
		110/1/50		220/1/50		380/1/50		110/1/50		220/1/50	
		Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts	Amps	Watts
ADT040	1/15	1.0	68	0.5	65	0.4	82	0.9	57	0.5	59
ADT052	1/15	1.0	68	0.5	65	0.4	82	0.9	57	0.5	59
ADT065	1/15	1.0	68	0.5	65	0.4	82	0.9	57	0.5	59
ADT070	1/15	2.0	136	1.0	130	0.8	164	1.8	114	1.0	118
ADT090	1/15	2.0	136	1.0	130	0.8	164	1.8	114	1.0	118
ADT104	1/15	2.0	136	1.0	130	0.8	164	1.8	114	1.0	118
ADT120	1/15	2.0	136	1.0	130	0.8	164	1.8	114	1.0	118
ADT130	1/15	2.0	136	1.0	130	0.8	164	1.8	114	1.0	118
ADT140	1/15	3.0	204	1.5	195	1.2	246	2.7	171	1.5	177
ADT156	1/15	3.0	204	1.5	195	1.2	246	2.7	171	1.5	177
ADT180	1/15	3.0	204	1.5	195	1.2	246	2.7	171	1.5	177
ADT208	1/15	4.0	272	2.0	260	1.6	328	3.6	228	2.0	236
ADT260	1/15	5.0	340	2.5	325	2.0	410	4.5	285	2.5	295
ADT312	1/15	6.0	408	3.0	390	2.4	492	5.4	342	3.0	354
ADT370	1/15	6.0	408	3.0	390	2.4	492	5.4	342	3.0	354

Performance Data

Model ADT Air Defrost | 60 Hz

Model	Capacity		Fan Data		
	10°F TD 25°F SST	6°C TD -4°C SST	No.	CFM	m³H
	BTUH	Watts			
ADT040	4,000	1,170	1	730	1,240
ADT052	5,200	1,520	1	700	1,189
ADT065	6,500	1,900	1	650	1,104
ADT070	7,000	2,050	2	1,460	2,481
ADT090	9,000	2,640	2	1,400	2,379
ADT104	10,400	3,050	2	1,400	2,379
ADT120	12,000	3,500	2	1,300	2,209
ADT130	13,000	3,810	2	1,300	2,209
ADT140	14,000	4,100	3	2,100	3,568
ADT156	15,600	4,570	3	2,100	3,568
ADT180	18,000	5,270	3	1,950	3,313
ADT208	20,800	6,100	4	2,800	4,758
ADT260	26,000	7,620	5	3,250	5,522
ADT312	31,200	9,140	6	3,900	6,627
ADT370	37,000	10,840	6	3,900	6,627

Model ADT Air Defrost | 50 Hz [†]

Model	Capacity		Fan Data		
	10°F TD 25°F SST	6°C TD -4°C SST	No.	CFM	m³H
	BTUH	Watts			
ADT040	3,800	1,112	1	670	1,117
ADT052	4,940	1,445	1	630	1,070
ADT065	6,175	1,807	1	586	995
ADT070	6,650	1,946	2	1,315	2,234
ADT090	8,550	2,502	2	1,260	2,142
ADT104	9,880	2,891	2	1,260	2,142
ADT120	11,400	3,335	2	1,170	1,989
ADT130	12,350	3,613	2	1,170	1,989
ADT140	13,300	3,891	3	1,891	3,213
ADT156	14,820	4,336	3	1,891	3,213
ADT180	17,100	5,003	3	1,756	2,984
ADT208	19,760	5,781	4	2,521	4,284
ADT260	24,700	7,226	5	2,927	4,973
ADT312	29,640	8,672	6	3,512	5,967
ADT370	35,150	10,284	6	3,512	5,967

[†] *For EC motors, use 60 Hz capacity and airflow values (Units with EC motors operating at 50 Hz will not see a reduction in performance due to the electronic control of the motor)*

Refrigeration System +35°F - Compressor

Mark # 843

MANUFACTURER Copeland

MODEL # Per Plan

FEATURES
- Build up condensing unit per General Specifications.
- Set to maintain +35°F in cooler section of cabinet.
- Assemble complete operating system per General Specifications.
- Building sleeves for installation of refrigerant lines shall be provided by G.C.
- Compressor remote location as specified by A/E; plan reference is schematic.

ELECTRICAL

CONNECTION DISC	**VOLTS** 208	**PHASE** 1	**AMPS** 8.2	
KW	**HP**	**ROUGH-IN HEIGHT** Remote - Locate by A/E		
ROUGH-IN COMMENTS Vfy.				

PLUMBING

HW	**CW**	**WASTE**
ROUGH-IN COMMENTS		

GAS

GAS SIZE	**MBH**	**HEIGHT**
COMMENTS		

VENTILATION

CONNECTION TYPE	**CFM**	**STAT. PRESS.**
DUCT SIZE		**VENT HEIGHT**
COMMENTS		

Copelametic

Air-Cooled Condensing Units
High/Medium Temp. Models R-22

Low Operating Cost
Durable Construction

E-Line

1/2 through 1 HP
Single Fan
Compact

D-Line

3/4 through 2 HP
Dual Fan
Low Height

Features/Options

Receiver
Fan Guard
BX Conduit
Pressure Switch
3 Service Valves

Copeland®

MEDIUM   HIGH

Performance Data
Tentative

R-22 High & Medium Temperature Capacities (BTUH)

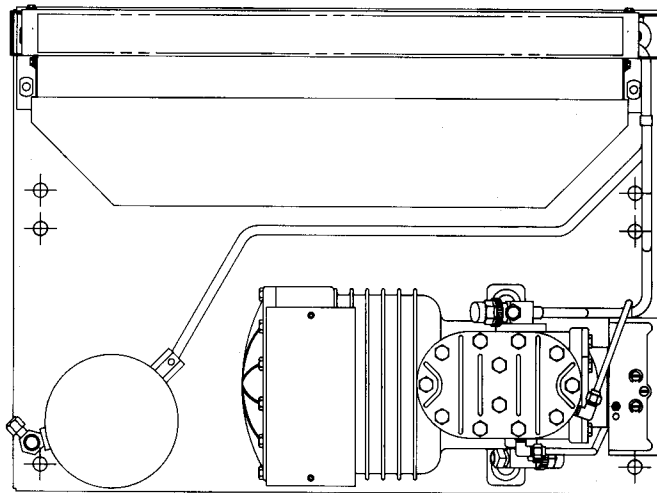| Ambient		Unit Model No.	H.P.	45°F 76.0#	40°F 68.5#	35°F 61.5#	30°F 54.9#	25°F 48.8#	20°F 43.0#	15°F 37.7#	10°F 32.9#	0°F 24.0#
90°F	E	E3AH-A050	½	5870	5400	4940	4510	4100	3700	3330	2980	
		E3AM-A050	½					4420	4010	3600	3220	2530
		E3AH-A075	¾	9100	8280	7500	6760	6060	5400	4770	4170	
		E3AM-A075	¾					7110	6410	5780	5210	4160
		E3AH-A100	1	11600	10700	9830	8960	8130	7320	6550	5820	
		E3AM-A100	1					9650	8750	7890	7070	5570
	D	D3AH-0075	¾	9750	8830	7960	7150	6380	5660	4990	4350	
		D3AM-0075	¾					7620	6780	6130	5590	4520
		D3AH-0100	1	12100	11100	10100	9140	8250	7420	6650	5920	
		D3AM-0100	1					9960	8980	8080	7250	5760
		D3AH-0150	1½	16500	15000	13700	12400	11200	10100	9000	8010	
		D3AH-0200	2	22900	20800	18800	16800	14900	13000	11200	9420	
		D3AM-0200	2					15400	13800	12600	11800	10000
		D3AM-0201	2					18100	16200	14700	13300	10600

Notes:

Capacities are rated at 65°F return gas and 5°F subcooling.

The unit model numbers above denote construction with fan guards and bx conduit. The second digit of the model number will change on units ordered without either.

Pressures are listed in PSIG (#) and reflect suction pressure at the compressor inlet. Temperatures shown are the corresponding saturation temperatures. Saturation conditions at the evaporator will be higher due to pressure drop in suction line.

Typical E-Line Unit

Typical D-Line Unit

Specifications/Electrical Data

Specifications

	Unit Model Number	Overall Dimensions (inches)			Liquid Line Valve (in.)	Suction Line Valve (in.)	Receiver Capacity 90% Full (Pounds)	Approx. Weight (Pounds)		Air Flow CFM	Compressor Model No.
		Length	Width	Height				Net	Ship		
E	E3AH-A050	19.5	14.5	12.0	1/4 FL	1/2 FL	2.5	109	124	331	HAG*-0050
	E3AM-A050	19.5	14.5	12.0	1/4 FL	1/2 FL	2.5	109	124	331	HAJ*-0050
	E3AH-A075	24.0	17.9	13.6	3/8 FL	5/8 FL	6.3	145	160	767	KAN*-0075
	E3AM-A075	24.0	17.9	13.6	3/8 FL	5/8 FL	6.3	145	160	767	KAE*-0075
	E3AH-A100	24.0	17.9	13.6	3/8 FL	5/8 FL	6.3	149	164	712	KAR*-0100
	E3AM-A100	24.0	17.9	13.6	3/8 FL	5/8 FL	6.3	149	164	712	KAM*-0100
D	D3AH-0075	19.5	22.5	11.4	3/8 FL	5/8 FL	6.3	122	141	445	KAN*-0075
	D3AM-0075	19.5	22.5	11.4	3/8 FL	5/8 FL	6.3	122	141	445	KAE*-0075
	D3AH-0100	19.0	25.5	13.3	3/8 FL	5/8 FL	6.3	127	146	763	KAR*-0100
	D3AM-0100	19.0	25.5	13.3	3/8 FL	5/8 FL	6.3	127	146	763	KAM*-0100
	D3AH-0150	24.5	31.6	14.9	3/8 FL	7/8 SWT	13.2	180	210	1196	KAG*-0150
	D3AH-0200	28.0	32.0	14.9	3/8 FL	7/8 SWT	13.2	260	290	1000	ERA*-0200
	D3AM-0200	28.0	32.0	14.9	3/8 FL	7/8 SWT	13.2	200	230	1000	KAK*-0200
	D3AM-0201	28.0	32.0	14.9	3/8 FL	7/8 SWT	13.2	260	290	1000	ERC*-0200

Electrical Data

	Unit Model Number	115-1-60			208-1-60			230-1-60			208/230-3-60			460-3-60		
		Elec. Code	M/C Amps	Max Fuse	Elec. Code	M/C Amps	Max Fuse	Elec. Code	M/C Amps	Max Fuse	Elec. Code	M/C Amps	Max. Fuse	Elec. Code	M/C Amps	Max Fuse
E	E3AH-A050	-CAA	11.9	15	-CAV	5.7	15	-CAV	5.7	15	-TAC	3.7	15			
	E3AM-A050	-CAA	11.7	15	-CAV	5.3	15	-CAV	5.3	15	-TAC	3.5	15			
	E3AH-A075	-CAA	16.6	25	-CAV	8.8	15	-CAV	8.8	15	-TAC	5.5	15			
	E3AM-A075	-CAA	15.6	20	-CAV	7.9	15	-CAV	7.9	15	-TAC	5.4	15			
	E3AH-A100	-CAA	21.3	30	-CAV	10.4	15	-CAV	10.4	15	-TAC	6.5	15	-TAD	3.4	15
	E3AM-A100	-CAA	21.4	30	-CAV	10.5	15	-CAV	10.5	15	-TAC	6.8	15	-TAD	3.5	15
D	D3AH-0075	-CAA	16.9	20	-CAV	9.1	15	-CAV	9.1	15	-TAC	5.8	15			
	D3AM-0075	-CAA	15.9	20	-CAV	8.2	15	-CAV	8.2	15	-TAC	6.7	15			
	D3AH-0100	-CAA	21.5	30	-CAV	10.7	15	-CAV	10.7	15	-TAC	6.8	15	-TAD	3.8	15
	D3AM-0100	-CAA	21.6	30	-CAV	11.7	15	-CAV	11.7	15	-TAC	8.0	15	-TAD	3.8	15
	D3AH-0150				-CAV	14.2	20	-CAV	14.2	20	-TAC	9.2	15	-TAD	4.6	15
	D3AH-0200							-CAB	15.3	20	-TAC	10.6	15	-TAD	5.9	15
	D3AM-0200				-CAV	15.6	20	-CAV	13.0	15	-TAC	10.8	15	-TAD	5.2	15
	D3AM-0201							-CAB	16.0	20	-TAC	10.8	15	-TAD	5.2	15

Pressure control (if supplied) with E-line units extends 2" beyond the base on ½ H.P. units. It is located on the crankcase end of the compressor.

"Elec" code is a part of the model number.

"M/C amps" is minimum circuit ampacity value developed for U.L. This value has a calculated safety factor and can be used for wire sizing.

For remote applications, additional receiver capacity may be necessary to assure adequate pumpdown capacity.

Amp data for CAV models is shown for the highest current condition which is at 208 volt.

All three phase models use single phase fan motors.

Operating voltage range . . . plus 10%, minus 10% including 208/230 volt (187 to 253 volt)

Contact Copeland for data on models rated for 50 hertz.

Shelving - Cooler

Mark # **844**

MANUFACTURER Metro

MODEL # Metroseal III

FEATURES
- Verify size and quantity of units per plan.
- 63PK3 posts with caps and adjustable feet.
- (4) shelves high.
- Locate bottom shelf at +10" AFF and evenly space the balance of the shelves.

ELECTRICAL

CONNECTION	VOLTS	PHASE	AMPS
KW	HP	ROUGH-IN HEIGHT	
ROUGH-IN COMMENTS			

PLUMBING

HW	CW	WASTE
ROUGH-IN COMMENTS		

GAS

GAS SIZE	MBH	HEIGHT
COMMENTS		

VENTILATION

CONNECTION TYPE	CFM	STAT. PRESS.
DUCT SIZE		VENT HEIGHT
COMMENTS		

Item # _____

Job _____

SUPER ADJUSTABLE SUPER ERECTA SHELF®
WIRE SHELVING

Super Adjustable Super Erecta Wire Shelving is the most advanced and innovative wire storage system available. A unique Corner Release System and SiteSelect™ Posts make changing shelf levels fast and easy, without tools! And Super Adjustable Shelving works in conjunction with the entire Super Erecta System of shelves and accessories.

- **Easily Adjustable:** Unique Corner Release and SiteSelect Posts create a total system that offers "Tool-Free," fast adjustment at 1" (25mm) intervals along the entire height of the posts.

- **Easily Assembled:** The Corner Release System and SiteSelect Posts, combined with the original "bottom up" assembly process, creates a complete shelving system in minutes, without tools! SiteSelect Posts with the double-groove visual guide feature, have circular grooves at 1" (25mm) intervals and are numbered at 2" (50mm) intervals. Shelves simply seat into place using the Corner Release.

- **Unique Shelf Design:** The open wire design of these heavy-gauge shelves minimizes dust accumulation and allows a free circulation of air, greater visibility of stored items and greater light penetration. Shelf ribs run front to back allowing you to slide items on and off easily. Shelves can be loaded and unloaded from all sides. This open contruction allows use of maximum storage space of cube.

- **Unique Post Design:** New SiteSelect post design provides a visual guide for positioning and adjusting shelves, saving considerable time during assembly and adjustment. An easy-to-identify double groove, every 8" (203mm), offers a quick way to align all shelves. Bolt leveler on post bottom compensates for uneven surfaces.

- **Fast, Easy Reconfiguration:** Super Adjustable Super Erecta can change as quickly as your needs change. By using various accessories, hundreds of shelving configurations become possible.

- **Choice of Finishes:** Super Adjustable Super Erecta Wire Shelving is available in a variety of finishes: Super Erecta Brite and chrome-plated for dry storage, Metroseal 3™ with antimicrobial product protection, and stainless steel for corrosive environments, and a large array of designer colors (see Catalog Sheet 10.14A).

*MICROBAN and the MICROBAN symbol are registered trademarks of the Microban Products Company, Huntersville, NC.

Dry Storage – Chrome or Super Erecta Brite™

Corner Release System

Metroseal 3™ with *Microban® Antimicrobial Product Protection.

EMERSON™
Storage Solutions

10.01A

METRO®

SUPER ADJUSTABLE SUPER ERECTA SHELF®
WIRE SHELVING

Dimensions

Super Adjustable Super Erecta Wire Shelving

Shelf Width/Length (in.)	(mm)	Approx. Pkd. Wt. (lbs.)	(kg)	Cat. No. Super Erecta Brite	Cat. No. Chrome	Cat. No. Metroseal 3	Cat. No. Stainless
18x24	457x610	7	3.2	A1824BR	A1824NC	A1824NK3	A1824NS
18x30	457x760	8	3.6	A1830BR	A1830NC	A1830NK3	A1830NS
18x36	457x914	9^1/$_2$	4.3	A1836BR	A1836NC	A1836NK3	A1836NS
18x42	457x1066	11	5.0	A1842BR	A1842NC	A1842NK3	A1842NS
18x48	457x1219	12	5.4	A1848BR	A1848NC	A1848NK3	A1848NS
18x54	457x1370	14^1/$_2$	6.6	A1854BR	A1854NC	A1854NK3	A1854NS
18x60	457x1524	17	7.7	A1860BR	A1860NC	A1860NK3	A1860NS
18x72	457x1825	20	9.1	A1872BR	A1872NC	A1872NK3	A1872NS
21x24	530x610	8	3.6	A2124BR	A2124NC	A2124NK3	A2124NS
21x30	530x760	9	4.1	A2130BR	A2130NC	A2130NK3	A2130NS
21x36	530x914	11	5.0	A2136BR	A2136NC	A2136NK3	A2136NS
21x42	530x1066	12	5.4	A2142BR	A2142NC	A2142NK3	A2142NS
21x48	530x1219	14	6.4	A2148BR	A2148NC	A2148NK3	A2148NS
21x54	530x1370	16	7.3	A2154BR	A2154NC	A2154NK3	A2154NS
21x60	530x1524	18	8.2	A2160BR	A2160NC	A2160NK3	A2160NS
21x72	530x1825	24	10.9	A2172BR	A2172NC	A2172NK3	A2172NS
24x24	610x610	9	4.1	A2424BR	A2424NC	A2424NK3	A2424NS
24x30	610x760	11	5.0	A2430BR	A2430NC	A2430NK3	A2430NS
24x36	610x914	13	5.9	A2436BR	A2436NC	A2436NK3	A2436NS
24x42	610x1066	15	6.8	A2442BR	A2442NC	A2442NK3	A2442NS
24x48	610x1219	16	7.3	A2448BR	A2448NC	A2448NK3	A2448NS
24x54	610x1370	18	8.6	A2454BR	A2454NC	A2454NK3	A2454NS
24x60	610x1524	21	9.5	A2460BR	A2460NC	A2460NK3	A2460NS
24x72	610x1825	26	11.8	A2472BR	A2472NC	A2472NK3	A2472NS

NOTE: For Metroseal 3 shelving information see sheet # 10.10A.

Sleeves/Wedges
Package of 4 per shelf.
Cat. No. A9985

SiteSelect™ Posts are grooved at 1" (25mm) increments and numbered at 2" (50mm) increments. Posts are double-grooved every 8" (203mm) for easy identification. Wedge Windows™ allow sight of post number for easy visual identification.

*MICROBAN® protects the Metroseal 3 coating from bacteria, mold, mildew and fungi that cause odors, stains and product degradation.

*MICROBAN and the MICROBAN symbol are registered trademarks of the Microban Products Company, Huntersville, NC.

SiteSelect™ Posts

Height* (in.)	(mm)	Approx. Pkd. Wt. (lbs.)	(kg)	Cat. No. Plated	Cat. No. Metroseal 3	Cat. No. Stainless
7^1/$_2$	191	^{1}/$_2$	0.3	7P		
14^1/$_2$	370	1	0.5	13P	13PK3	33PS
27^1/$_2$	700	1^3/$_4$	0.75	27P		27PS
34^1/$_2$	875	2	0.9	33P	33PK3	33PS
54^9/$_{16}$	1385	3	1.4	54P	54PK3	54PS
62^9/$_{16}$	1590	3^1/$_2$	1.6	63P	63PK3	63PS
74^5/$_8$	1895	4	1.8	74P	74PK3	74PS
86^5/$_8$	2200	5	2.3	86P	86PK3	86PS
96^5/$_8$	2454	5^1/$_2$	2.5	**96P		

* Height includes leveling bolt and cap.

** 96P should not be used in units less than 24" (610mm) deep. Consult Metro Engineering for alternate recommendations.

Post lengths to be specified as cut to a round number, ie: 74P cut to 69". . . This will result in an overall post height with adjustment of 69^3/$_8$ to 69^7/$_8$.

Important: When ordering by components remember that for maximum stability, units should be kept as wide and low as possible.

All Metro Catalog Sheets are available on our Web Site: **www.metro.com**

METRO®

InterMetro Industries Corporation
North Washington Street, Wilkes-Barre, PA 18705
Phone: 570-825-2741 • Fax: 570-825-2852

For Product Information Call: 1-800-433-2232

Shelving - Dry Storage Shelving

Mark # 845

MANUFACTURER Metro

MODEL # Super Erecta Brite

FEATURES
- Verify size and quantity of units per plan.
- 74P posts with caps and adjustable feet.
- (6) shelves high.
- Locate bottom shelf +10" AFF and evenly space the balance of the shelves.

ELECTRICAL

CONNECTION	VOLTS	PHASE	AMPS
KW	HP	ROUGH-IN HEIGHT	
ROUGH-IN COMMENTS			

PLUMBING

HW	CW	WASTE
ROUGH-IN COMMENTS		

GAS

GAS SIZE	MBH	HEIGHT
COMMENTS		

VENTILATION

CONNECTION TYPE	CFM	STAT. PRESS.
DUCT SIZE		VENT HEIGHT
COMMENTS		

SUPER ADJUSTABLE SUPER ERECTA SHELF®
WIRE SHELVING

Super Adjustable Super Erecta Wire Shelving is the most advanced and innovative wire storage system available. A unique Corner Release System and SiteSelect™ Posts make changing shelf levels fast and easy, without tools! And Super Adjustable Shelving works in conjunction with the entire Super Erecta System of shelves and accessories.

- **Easily Adjustable:** Unique Corner Release and SiteSelect Posts create a total system that offers "Tool-Free," fast adjustment at 1" (25mm) intervals along the entire height of the posts.

- **Easily Assembled:** The Corner Release System and SiteSelect Posts, combined with the original "bottom up" assembly process, creates a complete shelving system in minutes, without tools! SiteSelect Posts with the double-groove visual guide feature, have circular grooves at 1" (25mm) intervals and are numbered at 2" (50mm) intervals. Shelves simply seat into place using the Corner Release.

- **Unique Shelf Design:** The open wire design of these heavy-gauge shelves minimizes dust accumulation and allows a free circulation of air, greater visibility of stored items and greater light penetration. Shelf ribs run front to back allowing you to slide items on and off easily. Shelves can be loaded and unloaded from all sides. This open contruction allows use of maximum storage space of cube.

- **Unique Post Design:** New SiteSelect post design provides a visual guide for positioning and adjusting shelves, saving considerable time during assembly and adjustment. An easy-to-identify double groove, every 8" (203mm), offers a quick way to align all shelves. Bolt leveler on post bottom compensates for uneven surfaces.

- **Fast, Easy Reconfiguration:** Super Adjustable Super Erecta can change as quickly as your needs change. By using various accessories, hundreds of shelving configurations become possible.

- **Choice of Finishes:** Super Adjustable Super Erecta Wire Shelving is available in a variety of finishes: Super Erecta Brite and chrome-plated for dry storage, Metroseal 3™ with antimicrobial product protection, and stainless steel for corrosive environments, and a large array of designer colors (see Catalog Sheet 10.14A).

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Dry Storage – Chrome or Super Erecta Brite™

Corner Release System

Metroseal 3™ with *Microban® Antimicrobial Product Protection.

InterMetro Industries Corporation
North Washington Street
Wilkes-Barre, PA 18705
www.metro.com

EMERSON™
Storage Solutions

METRO®

SUPER ADJUSTABLE SUPER ERECTA SHELF®
WIRE SHELVING

Dimensions

Super Adjustable Super Erecta Wire Shelving

Shelf Width/Length (in.)	(mm)	Approx. Pkd. Wt. (lbs.)	(kg)	Cat. No. Super Erecta Brite	Cat. No. Chrome	Cat. No. Metroseal 3	Cat. No. Stainless
18x24	457x610	7	3.2	A1824BR	A1824NC	A1824NK3	A1824NS
18x30	457x760	8	3.6	A1830BR	A1830NC	A1830NK3	A1830NS
18x36	457x914	9¹/₂	4.3	A1836BR	A1836NC	A1836NK3	A1836NS
18x42	457x1066	11	5.0	A1842BR	A1842NC	A1842NK3	A1842NS
18x48	457x1219	12	5.4	A1848BR	A1848NC	A1848NK3	A1848NS
18x54	457x1370	14¹/₂	6.6	A1854BR	A1854NC	A1854NK3	A1854NS
18x60	457x1524	17	7.7	A1860BR	A1860NC	A1860NK3	A1860NS
18x72	457x1825	20	9.1	A1872BR	A1872NC	A1872NK3	A1872NS
21x24	530x610	8	3.6	A2124BR	A2124NC	A2124NK3	A2124NS
21x30	530x760	9	4.1	A2130BR	A2130NC	A2130NK3	A2130NS
21x36	530x914	11	5.0	A2136BR	A2136NC	A2136NK3	A2136NS
21x42	530x1066	12	5.4	A2142BR	A2142NC	A2142NK3	A2142NS
21x48	530x1219	14	6.4	A2148BR	A2148NC	A2148NK3	A2148NS
21x54	530x1370	16	7.3	A2154BR	A2154NC	A2154NK3	A2154NS
21x60	530x1524	18	8.2	A2160BR	A2160NC	A2160NK3	A2160NS
21x72	530x1825	24	10.9	A2172BR	A2172NC	A2172NK3	A2172NS
24x24	610x610	9	4.1	A2424BR	A2424NC	A2424NK3	A2424NS
24x30	610x760	11	5.0	A2430BR	A2430NC	A2430NK3	A2430NS
24x36	610x914	13	5.9	A2436BR	A2436NC	A2436NK3	A2436NS
24x42	610x1066	15	6.8	A2442BR	A2442NC	A2442NK3	A2442NS
24x48	610x1219	16	7.3	A2448BR	A2448NC	A2448NK3	A2448NS
24x54	610x1370	18	8.6	A2454BR	A2454NC	A2454NK3	A2454NS
24x60	610x1524	21	9.5	A2460BR	A2460NC	A2460NK3	A2460NS
24x72	610x1825	26	11.8	A2472BR	A2472NC	A2472NK3	A2472NS

NOTE: For Metroseal 3 shelving information see sheet # 10.10A.

Sleeves/Wedges
Package of 4 per shelf.
Cat. No. A9985

SiteSelect™ Posts are grooved at 1" (25mm) increments and numbered at 2" (50mm) increments. Posts are double-grooved every 8" (203mm) for easy identification. Wedge Windows™ allow sight of post number for easy visual identification.

*MICROBAN® protects the Metroseal 3 coating from bacteria, mold, mildew and fungi that cause odors, stains and product degradation.

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SiteSelect™ Posts

Height* (in.)	(mm)	Approx. Pkd. Wt. (lbs.)	(kg)	Cat. No. Plated	Cat. No. Metroseal 3	Cat. No. Stainless
7¹/₂	191	¹/₂	0.3	7P		
14¹/₂	370	1	0.5	13P	13PK3	33PS
27¹/₂	700	1³/₄	0.75	27P		27PS
34¹/₂	875	2	0.9	33P	33PK3	33PS
54⁹/₁₆	1385	3	1.4	54P	54PK3	54PS
62⁹/₁₆	1590	3¹/₂	1.6	63P	63PK3	63PS
74⁵/₈	1895	4	1.8	74P	74PK3	74PS
86⁵/₈	2200	5	2.3	86P	86PK3	86PS
96⁵/₈	2454	5¹/₂	2.5	**96P		

 * Height includes leveling bolt and cap.

** 96P should not be used in units less than 24" (610mm) deep. Consult Metro Engineering for alternate recommendations.

 Post lengths to be specified as cut to a round number, ie: 74P cut to 69"... This will result in an overall post height with adjustment of 69³/₈ to 69⁷/₈.

Important: When ordering by components remember that for maximum stability, units should be kept as wide and low as possible.

All Metro Catalog Sheets are available on our Web Site: **www.metro.com**

METRO®

InterMetro Industries Corporation
North Washington Street, Wilkes-Barre, PA 18705
Phone: 570-825-2741 • Fax: 570-825-2852
For Product Information Call: 1-800-433-2232

SUPER ADJUSTABLE SUPER ERECTA SHELF®
Adjustable Wire Shelving

Three Compartment Sink

MANUFACTURER Advance/Tabco

MODEL # Custom Fabricated

FEATURES
- Verify size and shape with plan.
- (3) lever wastes.
- 12" Add-a-faucet with spray rinse.
- Provide "Z" clip backsplash and mount to wall, then seal with clear silicone
  sealant.

ELECTRICAL

CONNECTION	VOLTS	PHASE	AMPS
KW	HP	ROUGH-IN HEIGHT	
ROUGH-IN COMMENTS			

PLUMBING

HW	1/2", +12"	CW	1/2", +12"	WASTE	(3) IW, 1-1/2", to FS
ROUGH-IN COMMENTS					

GAS

GAS SIZE	MBH	HEIGHT
COMMENTS		

VENTILATION

CONNECTION TYPE	CFM	STAT. PRESS.
DUCT SIZE		VENT HEIGHT
COMMENTS		

Dishwasher - Undercounter

MANUFACTURER Hobart

MODEL # LXe

FEATURES - Verify if hot water or chemical sanitizing.
- Verify need for booster heater.
- Only hot water sanitizing unit is Energy Star rated.

ELECTRICAL

CONNECTION JB	**VOLTS** 120/208	**PHASE** 1	**AMPS** Vfy.
KW	**HP**	**ROUGH-IN HEIGHT** +18"	
ROUGH-IN COMMENTS 6KW booster heater if required			

PLUMBING

HW 1/2", +12"	**CW**	**WASTE** IW, 1", to FS
ROUGH-IN COMMENTS		

GAS

GAS SIZE	**MBH**	**HEIGHT**
COMMENTS		

VENTILATION

CONNECTION TYPE	**CFM**	**STAT. PRESS.**
DUCT SIZE	**VENT HEIGHT**	
COMMENTS		

HOBART

701 S Ridge Avenue, Troy, OH 45374
1-888-4HOBART • www.hobartcorp.com

LXe
HOT AND COLD

HOBART

STANDARD FEATURES

■ 32 racks per hour – LXeH

■ 34 racks per hour – LXeC

■ .74 gallons of water per rack

■ Hot water or chemical sanitation units available

■ Low chemical alert indicators

■ Sense-A-Temp™ booster heater capable of 70°
rise, provided on LXeH models

■ Delime notification with cycle

■ Chemical pump "auto-prime"

■ Service diagnostics

■ Deep drawn stainless steel tank

■ Microcomputer, top mounted controls with
digital cycle/temperature display

■ Revolving upper and lower anti-clogging wash
arms

■ Revolving upper and lower rinse arms

■ Removable stainless steel scrap screen

■ Corrosion resistant pump

■ Automatic pumped drain

■ 17" door opening

■ Automatic fill

■ Detergent and rinse aid pumps standard
(plus sanitizer pump on chemical machine)

■ Electric tank heat

■ Two dishracks – one peg and one combination
type

STANDARD VOLTAGES

❏ 120/208-240(3W)/60/1 (LXeH model only)

❏ 120/60/1 (LXeC model only)

OPTIONS AT EXTRA COST

❏ 208-240(2W)/60/1 (LXeH model only)

❏ 208-240/60/3 (LXeH model only)

MODELS

❏ LXeC

❏ LXeH

ACCESSORIES

❏ Power cord kits

❏ Stainless steel base with 6" legs

❏ 17" stainless steel stand with storage

❏ External caster kit

❏ DWT-LXe drain water tempering kit

Specifications, Details and Dimensions on Back.

c**UL**us
LISTED

NSF

ENERGY STAR

U.S. GREEN BUILDING COUNCIL MEMBER

LXe HOT AND COLD

NOTICE

Required flowing water pressure to the dishmachine is 15-65 PSIG. If pressures higher than 65 PSIG are present, a pressure regulating valve must be installed in the water line to the dishmachine (by others).

Pressure gauge not required on pumped rinse machines.

Important: The chemical containers should be placed no higher than 10" above floor.

If chemical containers are to be placed in cabinet adjacent to machine, a 1/2" dia. hole is required in the cabinet to run chemical supply line.

Notes:

1. All vertical machine dimensions taken from floor may be increased by 1".

2. Moist air escapes from the door.
   Use only moisture resistant materials adjacent to dishmachine sides and top.

3. A vent hood is not recommended above the undercounter dishmachine since it does not produce excessive vapors.

Plumbing notes:

1. Water hammer arrestor (meeting ASSE-1010 Standard or equivalent) to be supplied (by others) in common water supply line at service connection.

2. Recommended water hardness to be 3 grains or less for best results.

3. If drain hose is looped above a sink, the loop must not exceed 38" AFF.

CONNECTION INFORMATION
### (AFF = ABOVE FINISHED FLOOR)

LEGEND

E1   ELECTRICAL CONNECTION: 1-3/8" DIA. HOLE FOR 1" TRADE SIZE CONDUIT; 4-5/8" AFF.

P1   SINGLE FILL AND RINSE CONNECTION: 3/4" FEMALE GARDEN HOSE FITTING ON 6' LONG HOSE SUPPLIED WITH MACHINE.;
110°F WATER MIN FOR LXeH

P2   DRAIN CONNECTION: 5/8" BARB FITTING WITH 6' LONG HOSE SUPPLIED WITH MACHINE.
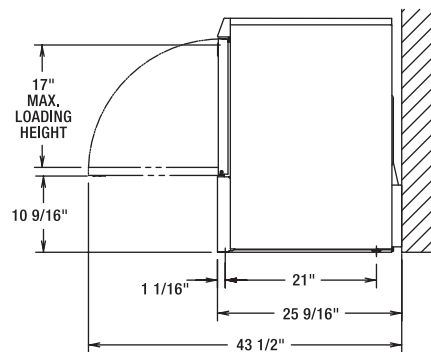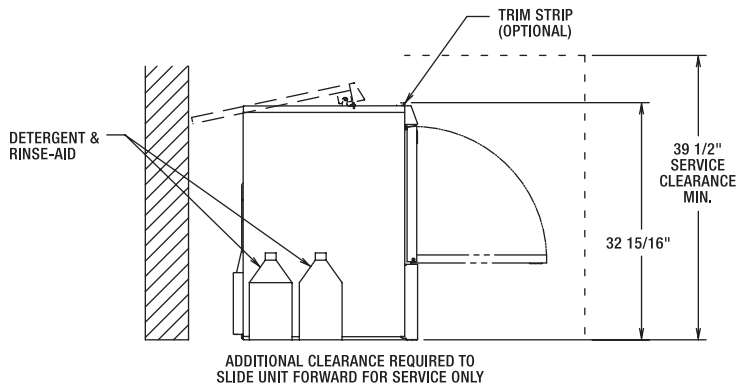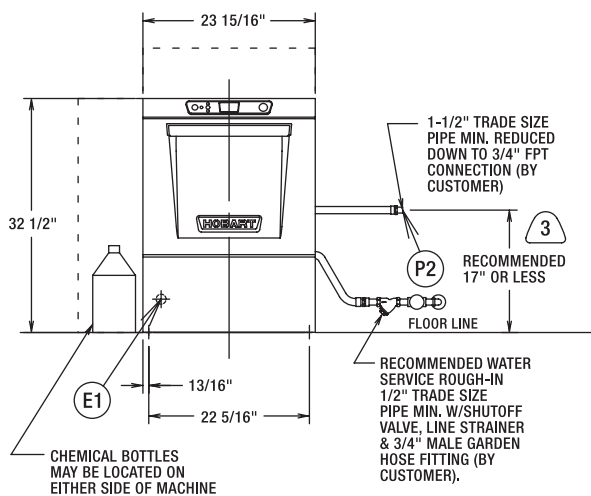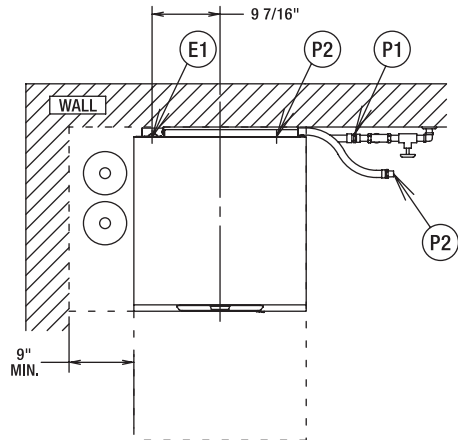
HEAT OUTPUT, BTU/HR		
MODEL	LATENT	SENSIBLE
LXeH	4600	4000

SHIPPING WEIGHTS	LXeH
NET WEIGHT OF MACHINE	150 LBS
DOMESTIC SHIPPING WEIGHT	170 LBS

MODEL	VOLTS/HERTZ/PHASE	RATED AMPS	MIN SUPPLY CKT CONDUCTOR AMPACITY	MAX PROTECTIVE DEVICE
LXeH	208-240/60/1	30.5	40	40
	120/208-240(3W)/60/1*	30.5	40	40
	208-240/60/3	23.9	30	30
	220-240/50/1	30.5	40	40

NOTE: FOR SUPPLY CONNECTIONS, USE COPPER WIRE ONLY RATED AT 90°C MINIMUM.

* THIS SYSTEM REQUIRES THREE POWER WIRES WHICH INCLUDES A CURRENT CARRYING NEUTRAL, AN ADDITIONAL FOURTH WIRE MUST BE PROVIDED FOR MACHINE GROUND.
ACCESSORY CORD KIT AVAILABLE FOR ALL MACHINES

⚠ **WARNING**

Electrical and grounding connections must comply with the applicable portions of the National Electrical Code and/or other local electrical codes.

Plumbing connections must comply with applicable sanitary, safety and plumbing codes. Drain and fill line configurations vary, some methods are shown on this drawing.

MODELS:
LXeH
00-947871
REV C

⚠ WARNING

Do not premix other chemicals and sodium hypochlorite (liquid bleach). Mixing may cause hazardous gas to form.

NOTICE

Required flowing water pressure to the dishmachine is 15-65 PSIG. If pressures higher than 65 PSIG are present, a pressure regulating valve must be installed in the water line to the dishmachine (by others).

Pressure gauge not required on pumped rinse machines.

Important: Chemical containers should be placed no higher than 10" above floor.

If chemical containers are to be placed in cabinet adjacent to machine, a 1/2" dia. hole is required in the cabinet to run chemical supply line.

Use only 6% or 8.4% sodium hypochlorite (liquid bleach) as sanitizing chemical to insure proper operation of dishmachine.

Certain materials including silver plate, aluminum and pewter are attacked by sodium hypochlorite (liquid bleach). See instructional manual.

Notes:

1. All vertical machine dimensions taken from floor may be increased by 1".
2. Moist air escapes from the door.
   Use only moisture resistant materials adjacent to dishmachine sides and top.
3. A vent hood is not recommended above the undercounter dishmachine since it does not produce excessive vapors.

Plumbing notes:

1. Water hammer arrestor (meeting ASSE-1010 Standard or equivalent) to be supplied (by others) in common water supply line at service connection.
2. Recommended water hardness to be 3 grains or less for best results.
3. If drain hose is looped above a sink, the loop must not exceed 38" AFF.

CONNECTION INFORMATION
(AFF = ABOVE FINISHED FLOOR)

LEGEND

E1   ELECTRICAL CONNECTION: 1-3/8" DIA. HOLE FOR 1" TRADE SIZE CONDUIT; 4-5/8" AFF.

P1   SINGLE FILL AND RINSE CONNECTION: 3/4" FEMALE GARDEN HOSE FITTING ON 6' LONG HOSE SUPPLIED WITH MACHINE.;
120°F WATER MIN. FOR LX*e*C,140°F RECOMMENDED.

P2   DRAIN CONNECTION: 5/8" BARB FITTING WITH 6' LONG HOSE SUPPLIED WITH MACHINE.
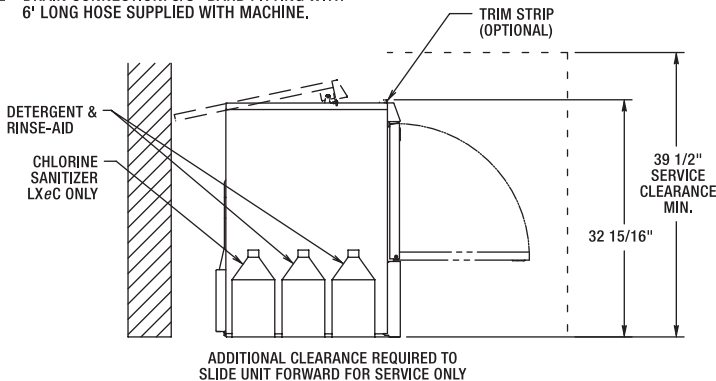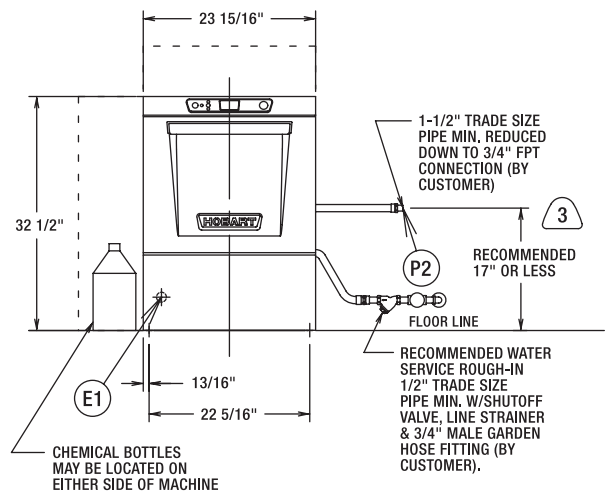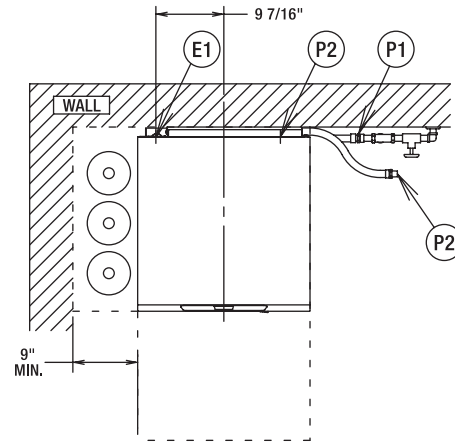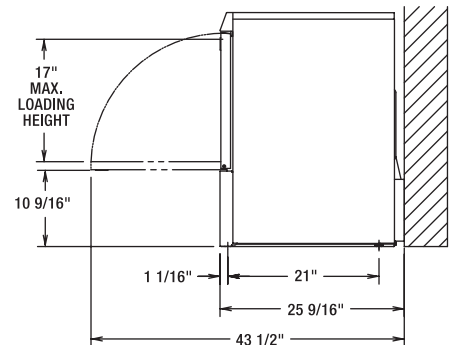
HEAT OUTPUT, BTU/HR		
MODEL	LATENT	SENSIBLE
LX*e*C	1900	800

SHIPPING WEIGHTS	LX*e*C
NET WEIGHT OF MACHINE	150 LBS
DOMESTIC SHIPPING WEIGHT	170 LBS

MODEL	VOLTS/HERTZ/PHASE	RATED AMPS	MIN SUPPLY CKT CONDUCTOR AMPACITY	MAX PROTECTIVE DEVICE
LX*e*C	120/60/1	13.4	20	20

NOTE: FOR SUPPLY CONNECTIONS, USE COPPER WIRE ONLY RATED AT 90°C MINIMUM.
ACCESSORY CORD KIT AVAILABLE FOR ALL MACHINES

⚠ WARNING

Electrical and grounding connections must comply with the applicable portions of the National Electrical Code and/or other local electrical codes.

Plumbing connections must comply with applicable sanitary, safety and plumbing codes. Drain and fill line configurations vary, some methods are shown on this drawing.

MODELS:
LX*e*C
00-947871
REV C

SPECIFICATIONS

DESIGN: Front opening, equipped for installation in either freestanding or undercounter-type operations.

CONSTRUCTION: 300 series stainless steel tank, door and top panel.

PUMP: Centrifugal-type, integral with motor, horizontally mounted. Pump capacity 38 gpm.

MOTOR: Single phase, furnished for all electrical specifications. Factory sealed lubrication. Inherent overload protection with auto reset.

WASH AND RINSE CYCLE: Complete automatic type, controlled by solid-state electronics. Cycle may be interrupted any time by opening door. Cycle continues when door is closed.

• Initial cycle fills wash tank, to be recirculated each wash cycle. Some wash water is drained off before rinse cycle. Rinse cycle refreshes wash water and tank heat.

RINSE PUMP: Powered by a single phase motor, the rinse pump is made of high strength engineered composite material.

RINSE AND SANITATION:

• **LXeH:** Sanitation is accomplished by means of a built-in booster heater designed to raise temperature of water to a minimum of 180°F from an incoming water temperature of 110°F.

• **LXeC:** Sanitation is accomplished by injection of proper amount of sodium hypochlorite solution (liquid bleach) into final rinse water to achieve a minimum of 50PPM sanitizing solution. Injection of sodium hypochlorite is accomplished by a built-in sanitizing chemical pump.

PUMPED DRAIN: Machine automatically drains water through a built-in pump. Maximum 38" drain height permitted.

RACKING: Machines accommodate racks from 10" x 20" to 20" x 20". Also accepts 16" x 18" cafeteria trays.

NOTE: Certain materials, including silver, aluminum and pewter are attacked by Sodium Hypochlorite solution in the chemical sanitizing mode of operation.

SPECIFICATIONS: Listed by Underwriters Laboratories Inc. and NSF International.

MACHINE RATINGS	LXeC	LXeH
Racks per Hour Rate	34	32
Dishes per Hour (25 per Rack Avg.)	850	800
Glasses per Hour (36 per Rack Avg.)	1224	1152
Controls	Microcomputer	
Tank Capacity - Gallons	2.9	
Overall Dimensions - H x W x D	$32\frac{1}{2}$" x $23\frac{15}{16}$" x $25\frac{9}{16}$"	
Cycle Time - Seconds	105	109
Tank Heat	1.8 KW	
Electric Booster Heater	N/A	4.9 KW
Water Usage Per Rack - Gallons	.74	
Drain Design	Pumped	
Door Opening Height	17"	
Detergent Pump	Standard	
Rinse-Aid Pump	Standard	
Sanitizer Pump	Standard	N/A
Chemical Prime (auto prime)	Standard	
Peak Drain Flow - GPM	4.0	
Service Diagnostics	Standard	
70°Rise Sense-A-Temp™ Booster Heater	N/A	Standard
Incoming Water Temperature Required (minimum)	120°	110°

As continued product improvement is a policy of Hobart, specifications are subject to change without notice.

Shelving - Bulk Storage Decks

MANUFACTURER Metro

MODEL # Super Erecta

FEATURES
- Verify size and quantity of units per plan.
- Cantilevered wall brackets, single level.
- SW51C end units as needed.
- AW51C mid units as needed.
- Rod-hang leading edge.
- Mount at +7'-2" AFF to bottom edge.

ELECTRICAL

CONNECTION	VOLTS	PHASE	AMPS
KW	HP	ROUGH-IN HEIGHT	
ROUGH-IN COMMENTS			

PLUMBING

HW	CW	WASTE
ROUGH-IN COMMENTS		

GAS

GAS SIZE	MBH	HEIGHT
COMMENTS		

VENTILATION

CONNECTION TYPE	CFM	STAT. PRESS.
DUCT SIZE		VENT HEIGHT
COMMENTS		

Item # _____

Job _____

SUPER ERECTA SHELF™
SOLID SHELVING (18-Gauge)

- **Strength:** Two-fold thickness of 18-gauge steel forms $1/8$" raised edges on all four sides of the shelving. This ship's edge gives all-around rigidity and high-strength. Sturdy aluminum castings firmly lock the corners to the posts.

- **Fast, Secure Assembly:** Post has rolled, circular grooves along its entire length at 1" (25mm) intervals. A patented, tapered split sleeve (plastic or aluminum) snaps together around each post. Tapered openings in the shelf corners slide over the tapered split sleeves providing a positive lock. Shelf is assembled in minutes without the use of nuts or bolts, without the use of any special tools.

- **Sanitary:** The raised ship's edge on all four sides and at the corners contains spillage, minimizes contamination and permits easier clean-up. Embossed or louvered/embossed shelf designs allow air circulation under packages and containers.

- **Versatile Construction:** Super Erecta Shelf® solid shelving can change as quickly as your needs change. By using various accessories hundreds of shelving configurations become possible.

- **Shelf Accessibility:** Shelves can be loaded/ unloaded from all sides. This open construction allows use of the maximum storage space of the cube.

- **Adjustability:** Shelves can be adjusted in 1" (25mm) intervals along the entire length of the post.

- **Finishes:** Available in two options: stainless steel and galvanized.

- **Adjustable Feet:** Bolt levelers compensate for surface irregularities.

NSF

Ship's Edge

Job _____

SUPER ERECTA SHELF™
SOLID SHELVING (18-Gauge)

Solid Shelves
Solid shelving in four widths and six lengths is available in galvanized steel with clear, baked-on acrylic coating or in stainless steel. The surfaces are flat, embossed, or louvered/embossed.

Width (in.)	(mm)	Length (in.)	(mm)	Approx. Pkd. Wt. (lbs.)	(kg)	Flat Cat. No. Galvanized	Cat. No. Stainless	Embossed Cat. No. Galvanized	Cat. No. Stainless	Louvered/Embossed Cat. No. Galvanized	Cat. No. Stainless
14	355	24	610	10	4.5	1424FG	1424FS	1424EG	1424ES	1424LG	1424LS
14	355	30	760	12	5.4	1430FG	1430FS	1430EG	1430ES	1430LG	1430LS
14	355	36	910	14	6.4	1436FG	1436FS	1436EG	1436ES	1436LG	1436LS
14	355	42	1060	15	6.8	1442FG	1442FS	1442EG	1442ES	1442LG	1442LS
14	355	48	1220	17	7.7	1448FG	1448FS	1448EG	1448ES	1448LG	1448LS
14	355	60	1525	22	9.9	1460FG	1460FS	1460EG	1460ES	1460LG	1460LS
18	455	24	610	11	5.0	1824FG	1824FS	1824EG	1824ES	1824LG	1824LS
18	455	30	760	14	6.4	1830FG	1830FS	1830EG	1830ES	1830LG	1830LS
18	455	36	910	16	7.3	1836FG	1836FS	1836EG	1836ES	1836LG	1836LS
18	455	42	1060	18	8.2	1842FG	1842FS	1842EG	1842ES	1842LG	1842LS
18	455	48	1220	20	9.1	1848FG	1848FS	1848EG	1848ES	1848LG	1848LS
18	455	60	1525	24	10.9	1860FG	1860FS	1860EG	1860ES	1860LG	1860LS
21	530	24	610	13	5.9	2124FG	2124FS	2124EG	2124ES	2124LG	2124LS
21	530	30	760	15	6.8	2130FG	2130FS	2130EG	2130ES	2130LG	2130LS
21	530	36	910	18	8.2	2136FG	2136FS	2136EG	2136ES	2136LG	2136LS
21	530	42	1060	21	9.5	2142FG	2142FS	2142EG	2142ES	2142LG	2142LS
21	530	48	1220	23	10.4	2148FG	2148FS	2148EG	2148ES	2148LG	2148LS
21	530	60	1525	26	11.8	2160FG	2160FS	2160EG	2160ES	2160LG	2160LS
24	610	24	610	15	6.8	2424FG	2424FS	2424EG	2424ES	2424LG	2424LS
24	610	30	760	17	7.7	2430FG	2430FS	2430EG	2430ES	2430LG	2430LS
24	610	36	910	19	8.6	2436FG	2436FS	2436EG	2436ES	2436LG	2436LS
24	610	42	1060	21	9.5	2442FG	2442FS	2442EG	2442ES	2442LG	2442LS
24	610	48	1220	24	10.9	2448FG	2448FS	2448EG	2448ES	2448LG	2448LS
24	610	60	1525	31	14.0	2460FG	2460FS	2460EG	2460ES	2460LG	2460LS

Important: When ordering by components remember that stability decreases as the ratio of height to width increases. Units should be kept as wide and low as possible.

SiteSelect™ Posts for Super Erecta® Shelving
Posts are fitted with adjustable leveling bolts to compensate for uneven surfaces.

Height* (in.)	(mm)	Approx. Pkd. Wt. (lbs.)	(kg)	Cat. No. Chrome	Cat. No. Stainless
7$^1/_2$	195	$^1/_2$	0.3	7P	—
14$^1/_2$	370	1	0.5	13P	13PS
27$^1/_2$	700	1$^3/_4$	0.75	27P	27PS
34$^1/_2$	875	2	0.9	33P	33PS
54$^9/_{16}$	1385	3	1.4	54P	54PS
62$^9/_{16}$	1590	3$^1/_2$	1.6	63P	63PS
74$^5/_8$	1895	4	1.8	74P	74PS
86$^5/_8$	2200	5	2.3	86P	86PS
96$^5/_8$	2454	5$^1/_2$	2.5	96P	—

*Height includes leveling bolt and cap.
NOTE: For mobile units order "UP" posts and casters on Catalog Sheet #11.20.
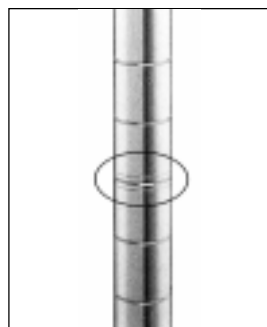
SiteSelect™ Posts are grooved at 1" (25mm) increments and numbered at 2" (50mm) increments. Posts are double-grooved every 8" (203mm) for easy identification.
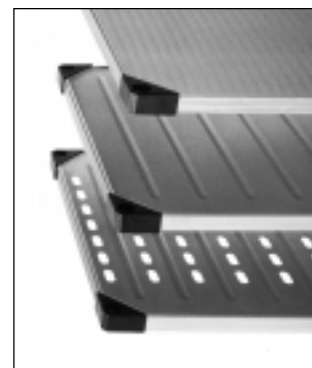
Flat, Embossed, Louvered/Embossed

Manufactured by:

SUPER ERECTA SHELF®

POST-TYPE AND DIRECT WALL MOUNTS

FOR WIRE AND SOLID SHELVES
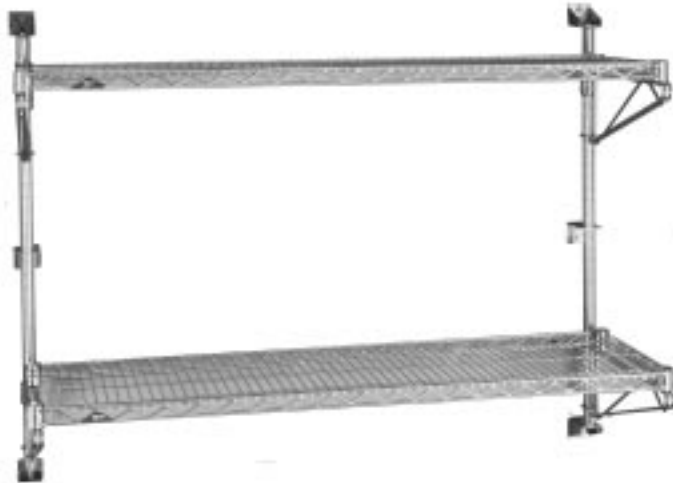
Double Shelf Post Type

Single Shelf Direct Wall Mount

Single

Double

NSF®

- **Ideal for Storing** items conveniently overhead or above work surfaces.

- **Accommodate** all Super Erecta Shelf sizes and types of shelf. Wire lugs on support fit corner openings of shelf. Metal caps are provided to cover openings.

- **Single and Double Supports:** Double support used for mounting adjacent shelves; single supports at ends of shelving tier. Available in nickel-chrome or stainless steel.

Post-Type Mounts

- **Versatile:** Metro's post-type mounting system can meet your exact needs for wall shelving. Posts and supports are available to hold anything from a single small shelf to many tiers of shelving running continuously along a wall.

- **Fast, Secure Assembly:** Post has rolled, circular grooves along its entire height at one-inch intervals. Tapered, plastic split-sleeve locks around any groove, and matching taper in opening on shelf support provides secure positioning.

- **Adjustable:** Shelf supports and shelves can be positioned or repositioned on the post in one-inch increments.

- **For Easy Ordering** pre-packaged components are available in "End Units" and "Mid Units" to meet a wide range of wall-shelving requirements.

Direct Mounts

- **Two-Piece:** Support is held by mounting plate, which attaches directly to the wall.

- **Conserve Space:** Back of shelf is within a fraction of an inch from the wall.

10.40

InterMetro Industries Corporation
North Washington Street
Wilkes-Barre, PA 18705

Job_____

METRO ®

SUPER ERECTA SHELF®
POST-TYPE AND DIRECT WALL MOUNTS

## Post-Type Wall Mounts — Standard Units

Post-type wall mounts are available in pre-packaged "End Units" and "Mid Units," complete with all needed components except wall bolts or screws, which must be selected according to type of wall*. Shelf supports are chrome-plated.

"End Unit" consists of two posts with brackets, and two single supports for each shelf.

"Mid Unit" consists of one post with brackets and double support for each tier.

If shelving is to be the length of one shelf, order End Unit Only.

If two shelf lengths, order one End Unit and one Mid Unit; three lengths, one End and two Mid Units; four lengths, one End and three Mid Units; etc.
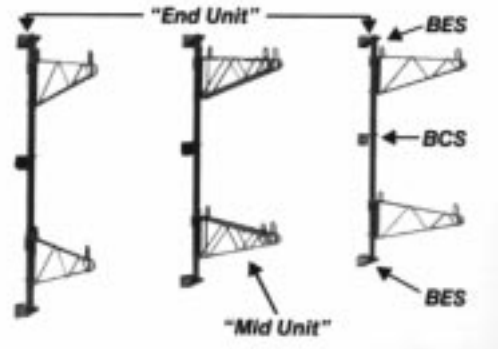
Catalog Numbers

Number of Tiers	Post Number	14" Shelf Width End Unit	14" Shelf Width Mid Unit	18" Shelf Width End Unit	18" Shelf Width Mid Unit	21" Shelf Width End Unit	21" Shelf Width Mid Unit	24" Shelf Width End Unit	24" Shelf Width Mid Unit
1 Shelf	13PDF	SW21C	AW21C	SW31C	AW31C	SW41C	AW41C	SW51C	AW51C
2 Shelf	33PDF	SW23C	AW23C	SW33C	AW33C	SW43C	AW43C	SW53C	AW53C
3 Shelf	54PDF	SW25C	AW25C	SW35C	AW35C	SW45C	AW45C	SW55C	AW55C
4 Shelf	63PDF	SW26C	AW26C	SW36C	AW36C	SW46C	AW46C	SW56C	AW56C

Order shelves from sheets #10.01, 10.10 or 10.20 or from price list.

DIMENSIONS:

Post Height (in.)	(mm)	Description	Cat. No. Plated	Cat. No. Stainless	Approx. Pkd. Wt. (lbs.)	(kg)
13⁷/₈	350	Post for 1 tier	13PDF	13PDFS	1¹/₄	0.6
33⁵/₈	854	Post for 2 tiers	33PDF	33PDFS	2³/₄	1.2
54	1370	Post for 3 or more tiers	54PDF	54PDFS	5	2.3
62	1573	Post for 4 or more tiers	63PDF	63PDFS	6	2.7
		End Bracket	BES	SBES	.5	0.2
		Intermediate Bracket	BCS	SBCS	.5	0.2

TO ORDER BY COMPONENTS
Posts & Brackets

Two end brackets (BES), are supplied with each of these double-footed posts. One intermediate bracket (BCS) is supplied with 33PDF posts and two are supplied with 54PDF and 63PDF posts.

Posts and brackets can be used to mount 12" cantilever shelves (sheet #10.06) rather than shelf supports.

BCS brackets can also be used to attach freestanding shelving to wall.

DIMENSIONS: Shelf Supports — Post Mounting

Shelf Width (in.)	(mm)	SINGLE Cat. No. Chrome	SINGLE Cat. No. Stainless	DOUBLE Cat. No. Chrome	DOUBLE Cat. No. Stainless
14	360	1WS14C	1WS14S	2WS14C	2WS14S
18	455	1WS18C	1WS18S	2WS18C	2WS18S
21	530	1WS21C	1WS21S	2WS21C	2WS21S
24	610	1WS24C	1WS24S	2WS24C	2WS24S

Order shelves from sheets #10.01, 10.10 or 10.20 or from price list.

Direct Wall Mounts

Each consists of one shelf support and mounting plate, with two caps. Use single support at shelf ends; double support for adjoining shelves. Select wall bolts or screws according to type of wall*.

DIMENSIONS:

Shelf Width (in.)	(mm)	SINGLE Cat. No. Chrome	SINGLE Cat. No. Stainless	DOUBLE Cat. No. Chrome	DOUBLE Cat. No. Stainless
14	360	1WD14C	1WD14S	2WD14C	2WD14S
18	455	1WD18C	1WD18S	2WD18C	2WD18S
21	530	1WD21C	1WD21S	2WD21C	2WD21S
24	610	1WD24C	1WD24S	2WD24C	2WD24S

*User should determine that wall material and method of mounting are suitable to support the shelves and their contents.

Manufactured by:
InterMetro Industries Corp.
North Washington Street
Wilkes-Barre, PA 18705

For Product Information, call 1-800-433-2232

Disposer and Control

MANUFACTURER Red Goat

MODEL #   A2P-R7

FEATURES   - Verify with local jurisdictions that disposer is allowed and acceptable.
                  - For 208 volt, three phase operation.
                  - Manual reversing switch - RMS-2.
                  - Flow control and 208V solenoid valve.
                  - A-RSA 7" sink throat assembly for integral welding.
                  - Silver trap and splash shield.
                  - Provide Fisher Model #3990 style vacuum breaker.
                  - Mount to pre-rinse sink as shown on plan.

ELECTRICAL

CONNECTION	DISC	**VOLTS**	208	**PHASE**	3	**AMPS**	
KW		**HP**	2.0	**ROUGH-IN HEIGHT**	+48"		
ROUGH-IN COMMENTS							

PLUMBING

HW		**CW**	1/2", POC	**WASTE**	DW, 2", to 3" tight waste
ROUGH-IN COMMENTS	Bypass grease trap				

GAS

GAS SIZE		**MBH**		**HEIGHT**	
COMMENTS					

VENTILATION

CONNECTION TYPE		**CFM**		**STAT. PRESS.**	
DUCT SIZE				**VENT HEIGHT**	
COMMENTS					

RED GOAT DISPOSERS ®

MODEL A
DISPOSER

"A" Series Regular Design 7" Throat Size (Shown)
Also available with:
4.5" Throat Size or Offset Design with 7" Throat

"A" SERIES - BASIC DISPOSER				
Type	Model No.	HP	PH	Throat Size
REGULAR	A112S-R4	$1^1/_2$	1	$4^1/_2$"
	A112S-R7	$1^1/_2$	1	7"
	A112P-R4	$1^1/_2$	3	$4^1/_2$"
	A112P-R7	$1^1/_2$	3	7"
	A2S-R4	2	1	$4^1/_2$"
	A2S-R7	2	1	7"
	A2P-R4	2	3	$4^1/_2$"
	A2P-R7	2	3	7"
	A3P-R4	3	3	$4^1/_2$"
	A3P-R7	3	3	7"
	A5P-R4	5	3	$4^1/_2$"
	A5P-R7	5	3	7"
OFFSET	A112S-07	$1^1/_2$	1	7"
	A112P-07	$1^1/_2$	3	7"
	A2S-07	2	1	7"
	A2P-07	2	3	7"
	A3P-07	3	3	7"
	A5P-07	5	3	7"

APPLICATION:

Medium size restaurant kitchen. Ideal for vegetable preparation, salad and pot sink areas of large kitchens. Complies with military specifications, including shipboard use. Can be used with salt water applications (specify HC option).

DESIGN AND CONSTRUCTION:

- Waste chamber design permits dual directional operation when used with reversing control or switch, doubling the life cycle of the shattering mechanism. Regular waste chamber available with either a $4^1/_2$" or 7" throat size.
- Tight tolerance in the cutting mechanism allows for approximately $1/_8$" or 3.175 mm or less of waste to pass through to sanitary.
- Basic body components are cast gray iron, machined, primed and powder coated. 8" diameter rotor with (2) bolt-on reversible impact bars and sizing ring are cast ductile iron, machined, balanced and heat treated.
- Bolt-on, threaded discharge flange for easy removal and ridged drain connection. Also includes flexible drain connector that slips over flange and fastens quickly to either metal or PVC drain line (2" pipe size). This allows installer options that best fit their need.
- Stainless steel legs and feet, adjustable from 0" to 2".
- Disposer connects to Cone or Sink Assembly by means of a neoprene isolation sleeve and (2) stainless steel clamps.
- Offset Design: For maximum space utilization, disposer is also available with an 8" offset waste chamber for both Cone and Sink attachments. (Available with 7" diameter throat size only)

MOTOR:

- Reversing, heavy duty, T.E.F.C., 1725 RPM (1425 RPM, 50 Hz), full rated horsepower, double sealed, permanently lubricated ball bearings.
- Thermal overload protection with manual reset button.
- Available for single phase or three phase installations.
- Available in $1^1/_2$ HP for light waste, 2 HP for standard use, 3 & 5 HP for heavy duty use.
- Dual voltage windings allow multi-voltage operation by motor lead connection (see motor wiring diagram). 115-230V, 60Hz; 110/220V, 50 Hz, 1 Ph; 208-230/460V, 60 Hz; 208/415V, 50 Hz, 3 Ph.

CONTROLS:

NOTE: Electrical switches or control centers not included, must be selected as required.

PLUMBING:

- 8 GPM @ 20 PSIG, $1/_2$" NPT
- 2" drain line with trap
- Not grease trap compliant

ELECTRICAL:

- Please refer to electrical requirements on page 2.

OPTIONAL FEATURES:

- For Hard Chrome option, add HC to the end of the disposer model number.
- Adaptor Kits: Adaptor kits are available to allow installation of Red Goat Disposers to virtually any sink or cone size or configuration. Refer to "Adaptor Kit Selection Guide" for specific kit model numbers.

MODEL A
DISPOSER

NOTE: All dimensions shown at 0" foot height adjustment.

*These items are not supplied by Red Goat Disposers.
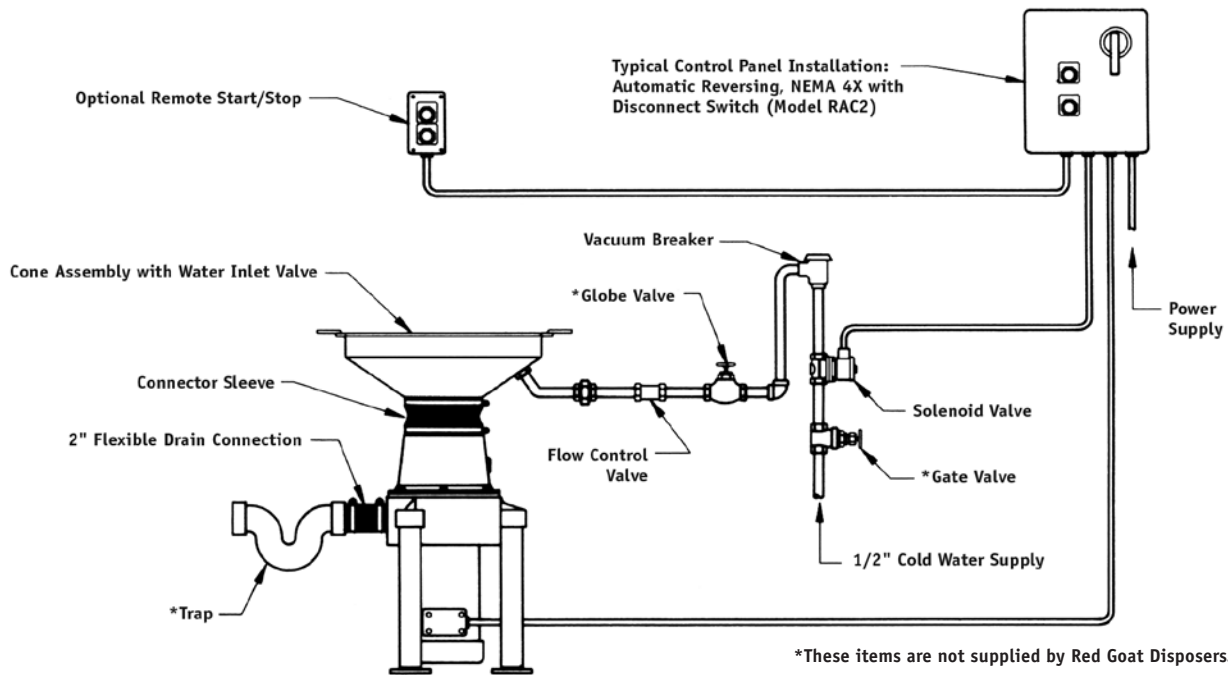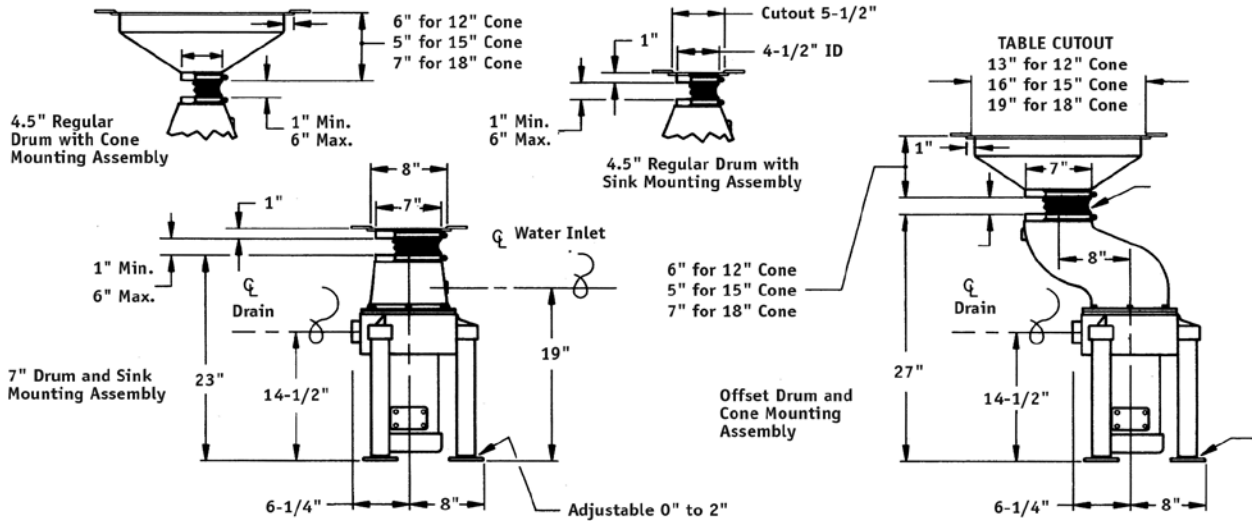
HP	THREE PHASE		THREE PHASE		SINGLE PHASE		SINGLE PHASE	
	Volts/60 Hz	Amps	Volts/50 Hz	Amps	Volts/60 Hz	Amps	Volts/50 Hz	Amps
1½	208	4.4	208	4.8	115	16	110	15
	230	4.2			230	8	220	7.5
	460	2.1	415	2.4				
2	208	6	208	6.3	115	17.6	110	19
	230	5.8			230	8.8	220	9.5
	460	2.9	415	3.3				
3	208	9.9	208	10.4	N/A		N/A	
	230	9						
	460	4.5	415	5.2				
5	208	14.8	N/A		N/A		N/A	
	230	14						
	460	7						

In line with its policy to continually improve its products, Red Goat reserves the right to change materials and specifications without notice.

S060410 (04/16)

Spray Rinse

MANUFACTURER Fisher

MODEL # 89745

FEATURES
- Manufacturer's standard unit 2210-1WB.
- Ultra-spray valve with knife spray pattern.
- Include wall bracket.
- Provide Fisher Model #2932-0002 in-line dual check valve; provide additional vacuum breaker per local code.
- If disposer, Mark 850, is not allowed by code, delete this item.

ELECTRICAL

CONNECTION	VOLTS	PHASE	AMPS
KW	HP	ROUGH-IN HEIGHT	
ROUGH-IN COMMENTS			

PLUMBING

HW	1/2", +12"	CW	1/2", +12"	WASTE
ROUGH-IN COMMENTS	Opt. by Locality			

GAS

GAS SIZE	MBH	HEIGHT
COMMENTS		

VENTILATION

CONNECTION TYPE	CFM	STAT. PRESS.
DUCT SIZE		VENT HEIGHT
COMMENTS		

JOB NAME:

QUANTITY:

ITEM NO.:
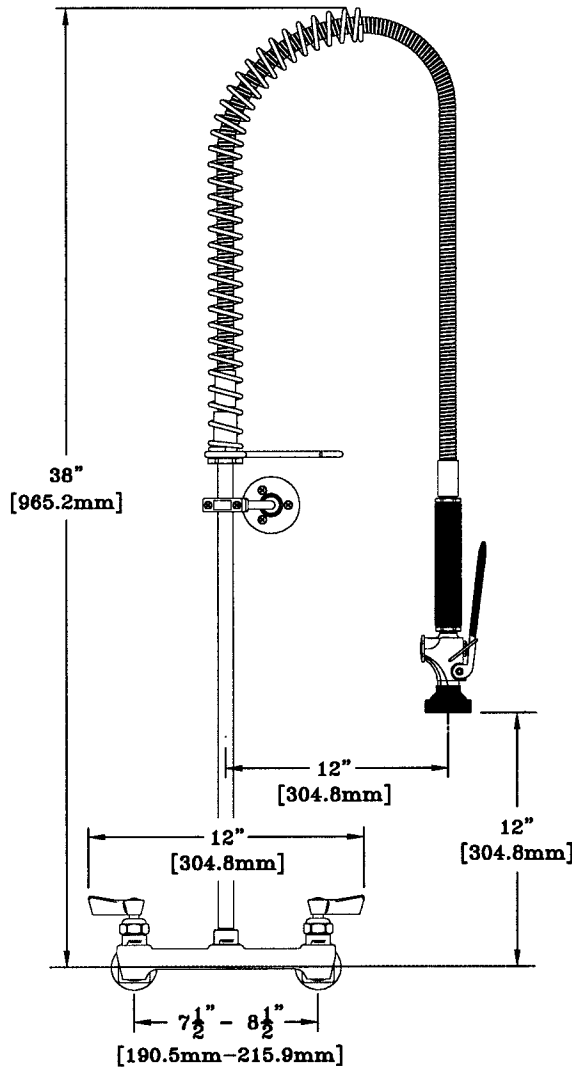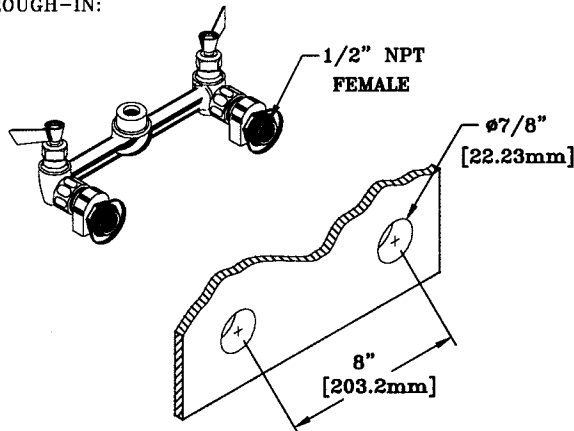
PRODUCT NAME:

PRE−RINSE, SPRING STYLE, WALL MOUNT

☐ _____ SPECIAL CONFIGURATION
(CHECK BASE MODEL AND OPTIONS)
MODEL:

☐ 2210−WB STANDARD SPRAY VALVE W/WALL BRACKET

☐ 2210 STANDARD SPRAY VALVE, NO WALL BRACKET

☐ 2210−1WB ULTRA SPRAY VALVE W/WALL BRACKET

☐ 2210−1 ULTRA SPRAY VALVE NO WALL BRACKET

OPTIONS OR MODIFICATIONS:

☐ SUPPLY LINES (24" OR 36") CIRCLE LENGTH

☐ ADD−ON FAUCET (6",8",10",12",14",16") CIRCLE LENGTH

☐ IN−LINE DUAL CHECK VALVE

☐ BRUSH

☐ NIPPLES

☐ ELBOWS

☐ VANDAL RESISTANT KIT

☐ HANDLES (CROSS OR WRIST) CIRCLE STYLE

☐ OTHER _____

FEATURES:

CONTROL VALVE
* ECCENTRICS ADJUST FROM 7−1/2" TO 8−1/2"
* INTERNAL SPRING LOADED CHECK VALVES
* SWIVELLING SEAT DISKS
* HOT SIDE STEM − RIGHT HAND, COLD − LEFT HAND
* STAINLESS STEEL SEATS
* STAINLESS STEEL SEAT SCREWS
* STAINLESS STEEL HANDLE SCREWS

HOSE
* 36" LENGTH
* STAINLESS STEEL END FITTINGS
* STAINLESS STEEL EXTERNAL JACKET
* 3 PLY FIBER REINFORCED INTERNAL RUBBER HOSE
* REPAIRABLE IN FIELD WITH SIMPLE TOOLS

STANDARD SPRAY VALVE
* NOZZLE THREADED INTO VALVE
* 2.65 GPM AT 80 PSI
* SHOWER SPRAY PATTERN

ULTRA SPRAY VALVE
* NOZZLE THREADED INTO VALVE
* 1.60 GPM AT 80 PSI
* KNIFE SPRAY PATTERN

WALL BRACKET
* ADJUSTS FROM 2" TO 12"

RECOMMENDED SETTINGS
* 110°F AT 80 PSI

SYSTEM LIMITS
* TEMP: 40°F MIN. TO 140°F MAX.
* PRESSURE 200 PSI MAX. STATIC

SHIPPING WEIGHT
* 12.0 LBS

38"
[965.2mm]

12"
[304.8mm]

12"
[304.8mm]

12"
[304.8mm]

7 1/2" − 8 1/2"
[190.5mm−215.9mm]

ROUGH−IN:

1/2" NPT
FEMALE

ø7/8"
[22.23mm]

8"
[203.2mm]

℠ ANSI/A112.18.1M

Corner Guards and Flash Trim

MANUFACTURER Fabricator

MODEL # Custom

FEATURES
- See cut sheet for fabrication details.
- Locate as shown on plan or as necessary in food production areas, on every exposed outside corner of construction, walk-in cabinet, and vertical/horizontal gaps and crevices.
- Break 90º +/- for tight fit, apply with mastic adhesive.
- Deburr edges and corners.
- Walk-in cabinet flashing to match same material as units enclosed.
- Seal with clear silicone sealant.

ELECTRICAL

CONNECTION	VOLTS	PHASE	AMPS
KW	HP	ROUGH-IN HEIGHT	
ROUGH-IN COMMENTS			

PLUMBING

HW	CW	WASTE
ROUGH-IN COMMENTS		

GAS

GAS SIZE	MBH	HEIGHT
COMMENTS		

VENTILATION

CONNECTION TYPE	CFM	STAT. PRESS.
DUCT SIZE		VENT HEIGHT
COMMENTS		

A. Angle Type

B. Channel Type

ELEVATION

5'-0"

4"

87°

4"

Verify radius. To be identical
to corner to be protected so that
guard fits snugly.

4"

Bend each side in 3°

Inside dimension to fit wall
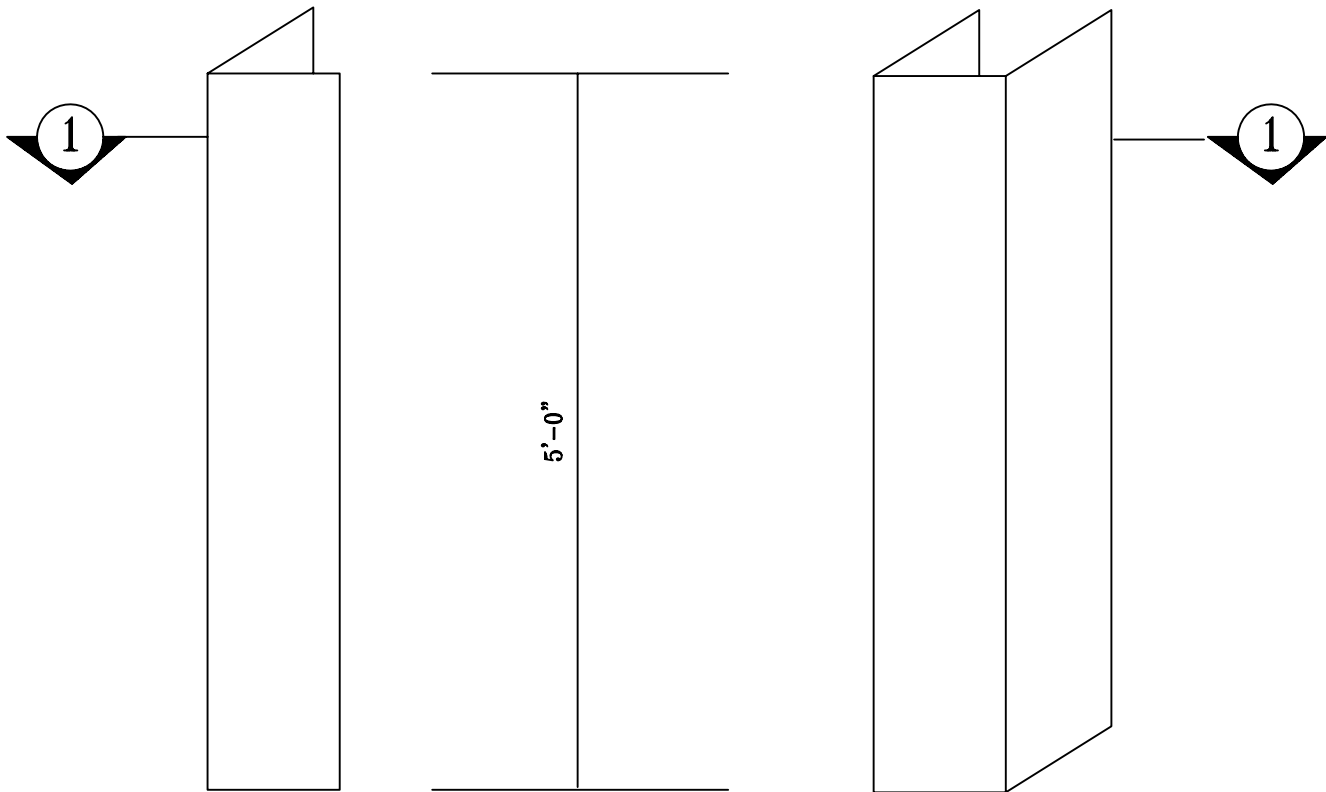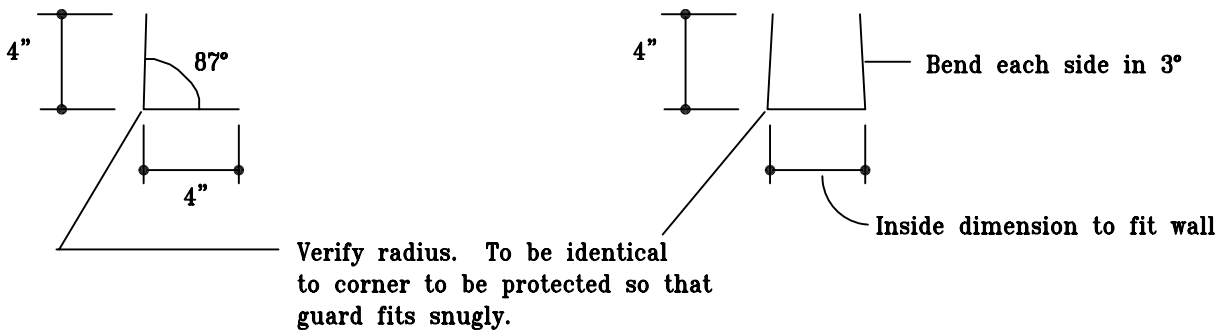
SECTION 1

Note: Mount 16 GA. stainless steel corner guards on corners immediately above
5" high cove base tile with suitable s/s fasteners and seal.
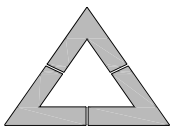
Tricon Foodservice Consultants, Inc.	CORNER GUARDS	STANDARD DETAIL 1.03
	NOT TO SCALE	

MANUFACTURER

MODEL #

FEATURES

ELECTRICAL

CONNECTION	VOLTS	PHASE	AMPS
KW	HP	ROUGH-IN HEIGHT	
ROUGH-IN COMMENTS			

PLUMBING

HW	CW	WASTE
ROUGH-IN COMMENTS		

GAS

GAS SIZE	MBH	HEIGHT
COMMENTS		

VENTILATION

CONNECTION TYPE	CFM	STAT. PRESS.
DUCT SIZE		VENT HEIGHT
COMMENTS		

Freezer - Two-Door Reach-In

MANUFACTURER True

MODEL #   T-49F-HC

FEATURES   - Two (2) extra shelves per section.
                   - Energy Star rated.

ELECTRICAL

CONNECTION	DR	VOLTS	120	PHASE	1	AMPS	9.6
KW		HP		ROUGH-IN HEIGHT	+86"		
ROUGH-IN COMMENTS							

PLUMBING

HW		CW		WASTE	
ROUGH-IN COMMENTS					

GAS

GAS SIZE		MBH		HEIGHT	
COMMENTS					

VENTILATION

CONNECTION TYPE		CFM		STAT. PRESS.	
DUCT SIZE			VENT HEIGHT		
COMMENTS					

TRUE FOOD SERVICE EQUIPMENT, INC.

2001 East Terra Lane • O'Fallon, Missouri 63366-4434 • (636)240-2400
Fax (636)272-2408 • Toll Free (800)325-6152 • Intl Fax# (001)636-272-7546
Parts Dept. (800)424-TRUE • Parts Dept. Fax# (636)272-9471 • www.truemfg.com

Project Name: _____

Location: _____

Item #: _____ Qty: _____

Model #: _____

AIA #

SIS #

Model:
T-49F-HC

T-Series:
Reach-In Solid Swing Door Freezer with Hydrocarbon Refrigerant

T-49F-HC

▶ True's solid door reach-in's are designed with enduring quality that protects your long term investment.

▶ Designed using the highest quality materials and components to provide the user with colder product temperatures, lower utility costs, exceptional food safety and the best value in today's food service marketplace.

▶ Factory engineered, self-contained, capillary tube system using environmentally friendly R290 hydro carbon refrigerant that has zero (0) ozone depletion potential (ODP), & three (3) global warming potential (GWP).

▶ High capacity, factory balanced refrigeration system that maintains -10°F (-23.3°C) temperatures. Ideal for both frozen foods and ice cream.

▶ Stainless steel solid doors and front. The very finest stainless with higher tensile strength for fewer dents and scratches.

▶ Adjustable, heavy duty PVC coated shelves.

▶ Positive seal self-closing doors. Lifetime guaranteed door hinges and torsion type closure system.

▶ Automatic defrost system time-initiated, temperature-terminated. Saves energy consumption and provides shortest possible defrost cycle.

Bottom mounted units feature:

▶ "No stoop" lower shelf.

▶ Storage on top of cabinet.

▶ Compressor performs in coolest, most grease free area of kitchen.

▶ Easily accessible condenser coil for cleaning.

ROUGH-IN DATA

Specifications subject to change without notice.
Chart dimensions rounded up to the nearest ⅛" (millimeters rounded up to next whole number).

Model	Doors	Shelves	Cabinet Dimensions (inches) (mm)			HP	Voltage	Amps	NEMA Config.	Cord Length (total ft.) (total m)	Crated Weight (lbs.) (kg)
			W	D	H*						
T-49F-HC	2	6	54⅛	29½	78⅜	1	115/60/1	9.6	5-15P	9	440
			1375	750	1991	1	230-240/50/1	5.5	▲	2.74	200

* Height does not include 5" (127 mm) for castors or 6" (153 mm) for optional legs.

▲ Plug type varies by country.

APPROVALS:

AVAILABLE AT:

MADE WITH **INNOVATION** IN THE USA

5 YEAR COMPRESSOR WARRANTY USA

ENERGY STAR

c UL us

CLASSIFIED UL EPH

CE

natural refrigerant.

6/17

Printed in U.S.A.

STANDARD FEATURES

DESIGN
- True's commitment to using the highest quality materials and oversized refrigeration systems provides the user with colder product temperatures, lower utility costs, exceptional food safety and the best value in today's food service marketplace.

REFRIGERATION SYSTEM
- Factory engineered, self-contained, capillary tube system using environmentally friendly R290 hydro carbon refrigerant that has zero (0) ozone depletion potential (ODP), & three (3) global warming potential (GWP).
- High capacity, factory balanced refrigeration system that maintains -10°F (-23.3°C) temperatures. Ideal for both frozen foods and ice cream.
- State of the art, electronically commutated evaporator and condenser fan motors. ECM motors operate at higher peak efficiencies and move a more consistent volume of air which produces less heat, reduces energy consumption and provides greater motor reliability.
- Bottom mounted condensing unit positioned for easy cleaning. Compressor runs in coolest and most grease free area of the kitchen. Allows for storage area on top of unit.
- Automatic defrost system time-initiated, temperature-terminated. Saves energy consumption and provides shortest possible defrost cycle.

CABINET CONSTRUCTION
- Exterior - Stainless steel front. Anodized quality aluminum ends. Corrosion resistant GalFan coated steel back.

- Interior - attractive, NSF approved, clear coated aluminum liner. Stainless steel floor with coved corners.
- Insulation - entire cabinet structure and solid door are foamed-in-place using a high density, polyurethane insulation that has zero ozone depletion potential (ODP) and zero global warming potential (GWP).
- Welded, heavy duty steel frame rail, black powder coated for corrosion protection.
- Frame rail fitted with 4" (102 mm) diameter stem castors - locks provided on front set.

DOORS
- Stainless steel exterior with clear aluminum liner to match cabinet interior. Doors extend full width of cabinet shell. Door locks standard.
- Lifetime guaranteed recessed door handles. Each door fitted with 12" (305 mm) long recessed handle that is foamed-in-place with a sheet metal interlock to ensure permanent attachment.
- Positive seal self-closing doors. Lifetime guaranteed door hinges and torsion type closure system.
- Magnetic door gaskets of one piece construction, removable without tools for ease of cleaning.

SHELVING
- Six (6) adjustable, heavy duty PVC coated wire shelves 24 9/16"L x 22 3/8"D (624 mm x 569 mm). Four (4) chrome plated shelf clips included per shelf.
- Shelf support pilasters made of same material as cabinet interior; shelves are adjustable on ½" (13 mm) increments.

LIGHTING
- LED Interior lighting - safety shielded. Lights activated by rocker switch mounted above doors.

MODEL FEATURES
- Exterior temperature display.
- Evaporator is epoxy coated to eliminate the potential of corrosion.
- Rear airflow guards prevent product from blocking optimal airflow.
- NSF/ANSI Standard 7 compliant for open food product.

ELECTRICAL
- Unit completely pre-wired at factory and ready for final connection to a 115/60/1 phase, 15 amp dedicated outlet. Cord and plug set included.
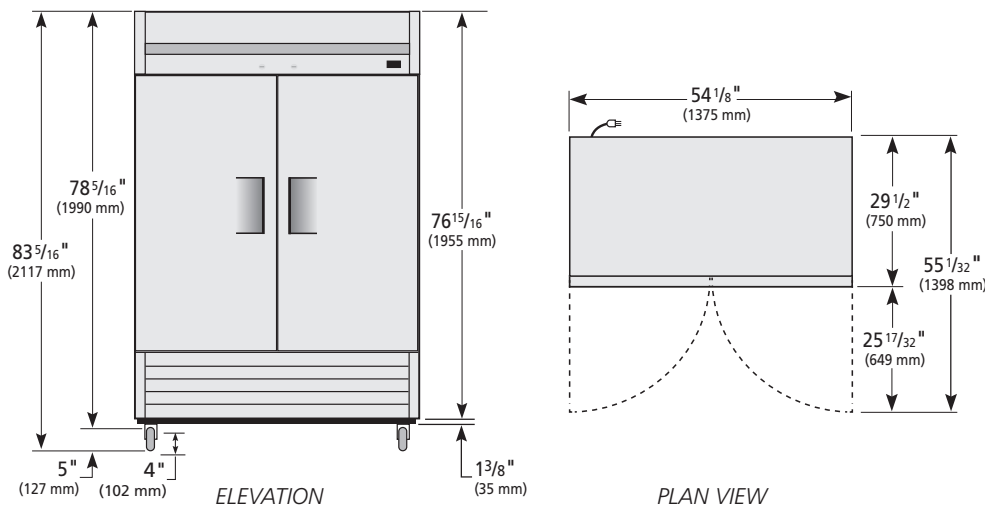
115/60/1
NEMA-5-15R

OPTIONAL FEATURES/ACCESSORIES
Upcharge and lead times may apply.
- ❑ 230 - 240V / 50 Hz.
- ❑ 6" (153 mm) standard legs.
- ❑ 6" (153 mm) seismic/flanged legs.
- ❑ Alternate door hinging (factory installed).
- ❑ Novelty baskets.
- ❑ Additional shelves.
- ❑ Half door bun tray racks. Each holds up to eleven 18"L x 26"D (458 mm x 661 mm) sheet pans (sold separately) (airflow guards need to be removed).
- ❑ Full door bun tray racks. Each holds up to twenty-two 18"L x 26"D (458 mm x 661 mm) sheet pans (sold separately) (airflow guards need to be removed).

PLAN VIEW

ELEVATION

PLAN VIEW

	Model	Elevation	Right	Plan	3D	Back
KCL	T-49F-HC					

WARRANTY*
Three year warranty on all parts and labor and an additional 2 year warranty on compressor.
(U.S.A. only)

*RESIDENTIAL APPLICATIONS: True assumes no liability for parts or labor coverage for component failure, factory defect or any other damages for units installed in non-commercial foodservice or residential applications.

METRIC DIMENSIONS ROUNDED UP TO THE NEAREST WHOLE MILLIMETER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

Counter Oven

MANUFACTURER TurboChef

MODEL # i5

FEATURES
- (2) units stacked on stand.
- Aloft menu pre-loaded in factory.
- (1) case oven cleaner.
- (1) case oven guard.
- Unit has been UL approved for ventless operation.

ELECTRICAL

CONNECTION	SR	VOLTS	208/240	PHASE	3	AMPS	48.0
KW		HP		ROUGH-IN HEIGHT	+24"		
ROUGH-IN COMMENTS							

PLUMBING

HW		CW		WASTE	
ROUGH-IN COMMENTS					

GAS

GAS SIZE		MBH		HEIGHT	
COMMENTS					

VENTILATION

CONNECTION TYPE		CFM		STAT. PRESS.	
DUCT SIZE			VENT HEIGHT		
COMMENTS					

TURBOCHEF

THE i5™

Project _____

Item No. _____

Quantity _____

EXTERIOR CONSTRUCTION
- Two-tone stainless steel front, top and sides
- 304 stainless steel removable grease collection pan
- Ergonomic door handle
- Rubber seal for surface mounting
- Side hand grips for lifting

INTERIOR CONSTRUCTION
- 304 stainless steel
- Fully insulated cook chamber
- Removable rack with dual setting option
- Top and bottom jetplates

STANDARD FEATURES
- Integral recirculating catalytic converter for UL (KNLZ) listed ventless operation
- Independently-controlled dual motors for vertically-recirculated air impingement
- Top-launched microwave system
- Stirrer to help ensure even distribution of air and microwave
- Variable rack positioning
- External air filtration
- Smart menu system capable of storing up to 200 recipes
- Flash software updates via smart card
- Single or multiple-temperature interface
- Smart Voltage Sensor Technology* (U.S. only)
- Vent catalyst to further limit emissions
- Built-in self-diagnostics for monitoring oven components and performance
- Stackable (requires stacking stand)
- Field-configurable for single or 3-phase operation
- Includes plug and cord (6 ft. nominal)
- Warranty – 1 year parts and labor

PERFORMANCE
Utilizing TurboChef's patented technology to rapidly cook food without compromising quality, the i5 oven maximizes versatility with its large cavity size and ability to cook with most any metal pan.

VENTILATION
- UL (KNLZ) listed for ventless operation.†

- EPA 202 test (8 hr):
  - Product: Pepperoni Pizzas
  - Results: 2.80 mg/m^3
  - Ventless Requirement: <5.00 mg/m^3

- Internal catalytic filtration to limit smoke, grease, and odor emissions.

COMES WITH STANDARD ACCESSORIES
- 1 Aluminum Paddle (NGC-1478)
- 1 Bottle Oven Cleaner (103180)
- 1 Bottle Oven Guard (103181)
- 2 Trigger Sprayers (103182)
- 2 PTFE Baskets (NGC-1331)

c(UL)us   ANSI/NSF #4 81Y5   TÜV Production monitored Safety tested   CE

This product conforms to the ventilation recommendations set forth by NFPA96 using EPA202 test method.

* Smart Voltage Sensor Technology does not compensate for lack of or over voltage situations. It is the responsibility of the owner to supply voltage to the unit according to the specifications on the back of this sheet.

† Ventless certification is for all food items except for foods classified as "fatty raw proteins." Such foods include bone-in, skin-on chicken, raw hamburger meat, raw bacon, raw sausage, steaks, etc. If cooking these types of foods, consult local HVAC codes and authorities to ensure compliance with ventilation requirements.

Ultimate ventless allowance is dependent upon AHJ approval, as some jurisdictions may not recognize the UL certification or application. If you have questions regarding ventless certifications or local codes please email ventless.help@turbochef.com

TurboChef reserves the right to make substitutions of components or change specifications without prior notice.

1. Blower Motors
2. Microwave System
3. Stirred Impinged Air (Top) and Microwave
4. Impinged Air (Bottom)
5. Catalytic Converter
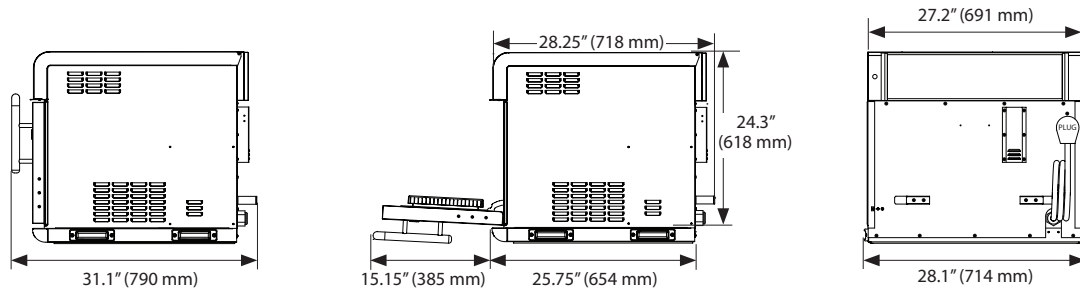6. Impingement Heater
7. Vent Tube Catalyst

TURBOCHEF

28.25" (718 mm)

24.3" (618 mm)

27.2" (691 mm)

PLUG

31.1" (790 mm)

15.15" (385 mm) 25.75" (654 mm)

28.1" (714 mm)

DIMENSIONS		
Single Units		
Height	24.3"	618 mm
Width	28.1"	714 mm
Depth	28.25"	718 mm
Weight	275 lbs.	125 kg
Cook Chamber		
Height	10"	254 mm
Width	24"	610 mm
Depth (Door Open / Closed)	16" / 14"	406 mm / 356 mm
Volume	2.2 cu.ft.	62 liters
Wall Clearance (Oven not intended for built-in installation)		
Top	19"	483 mm
Sides	2"	51 mm

ELECTRICAL SPECIFICATIONS-SINGLE PHASE

i5 US Model (I5-9500-1) - United States		
Voltage	208/240 VAC	
Frequency	60 Hz	
Current (Max Circuit Requirement)	48 amp (50 amp)	NEMA 6-50P
Max Input	9500/11500 watts	

i5 UK Model (I5-9500-2-UK) - United Kingdom		
Voltage	230 VAC	
Frequency	50 Hz	
Current (Max Circuit Requirement)	48 amp (60 amp)	IEC 309, 3-pin
Max Input	10000 watts	

i5 BK Model (I5-9500-6-BK) - Brazil		
Voltage	220 VAC	
Frequency	60 Hz	
Current (Max Circuit Requirement)	48 amp (50 amp)	IEC 309, 3-pin
Max Input	10000 watts	

i5 LA Model (I5-9500-7-LA) - Latin America		
Voltage	220 VAC	
Frequency	60 Hz	
Current (Max Circuit Requirement)	48 amp (50 amp)	NEMA 6-50P
Max Input	10000 watts	

i5 JK Model - 50 Hz (I5-9500-8-JK) - Japan 60 Hz (I5-9500-10-JK) - Japan		
Voltage	200 VAC	
Frequency	50 Hz or 60 Hz	
Current (Max Circuit Requirement)	46 amp (50 amp)	NEMA L6-50, PSE, 3-blade
Max Input	9000 watts	

ELECTRICAL SPECIFICATIONS-MULTI PHASE

i5 DL Model (I5-9500-14-DL) - United States		
Voltage	208/240 VAC	
Frequency	60 Hz	
Current (Max Circuit Requirement)	30 amp (30 amp)	NEMA 15-30P
Max Input	9500/11500 watts	

TurboChef recommends installing a type D circuit breaker for all installations.
TurboChef reserves the right to substitute components or change specifications without notice.
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i5 ED Model (I5-9500-3-ED) - International		
Voltage	230 VAC	
Frequency	50 Hz	
Current (Max Circuit Requirement)	28 amp (32 amp)	IEC 309, 4-pin
Max Input	10000 watts	

i5 EW Model (I5-9500-4-EW) - International		
Voltage	400 VAC	
Frequency	50 Hz	
Current (Max Circuit Requirement)	19 amp (20 amp)	IEC 309, 5-pin
Max Input	10000 watts	

i5 AU Model (I5-9500-5-AU) - Australia		
Voltage	400 VAC	
Frequency	50 Hz	
Current (Max Circuit Requirement)	19 amp (20 amp)	Clipsal, 5-pin
Max Input	10000 watts	

i5 JD Model - 50 Hz (I5-9500-9-JD) - Japan 60 Hz (I5-9500-11-JD) - Japan		
Voltage	200 VAC	
Frequency	50 Hz or 60 Hz	
Current (Max Circuit Requirement)	25 amp (30 amp)	NEMA L6-50, PSE 4-blade
Max Input	10000 watts	

i5 KW Model (I5-9500-12-KW) - Middle East & Korea		
Voltage	400 VAC	
Frequency	60 Hz	
Current (Max Circuit Requirement)	19 amp (20 amp)	IEC 309, 5-pin
Max Input	10000 watts	

i5 SD Model (I5-9500-13-SD) - Middle East & Korea		
Voltage	230 VAC	
Frequency	60 Hz	
Current (Max Circuit Requirement)	28 amp (30 amp)	IEC 309, 4-pin
Max Input	10000 watts	

i5 LD Model (I5-9500-15-LD) - Latin America		
Voltage	220 VAC	
Frequency	60 Hz	
Current (Max Circuit Requirement)	28 amp (30 amp)	NEMA 15-30P
Max Input	10000 watts	

i5 BD Model (i5-9500-16-BD) - Brazil		
Voltage	220 VAC	
Frequency	60 Hz	
Current (Max Circuit Requirement)	28 amp (30 amp)	IEC 309, 4-pin
Max Input	10000 watts	

SHIPPING INFORMATION

U.S.: All ovens shipped within the U.S. are packaged in a double-wall corrugated box banded to a wooden skid.
International: All International ovens shipped via Air or Less than Container Loads are packaged in wooden crates.

Box size: 31"x 32"x 33" (787 mm x 813 mm x 838 mm)
Crate size: 40"x 36"x 35" (1016 mm x 914 mm x 889 mm)
Item class: 110 NMFC #26710 HS code 8419.81

Appx. boxed weight: 330 lb. (150 kg) / Appx. crated weight: 410 lb. (186 kg)

Minimum entry clearance required for box: 31.5" (800 mm)
Minimum entry clearance required for crate: 35.5" (902 mm)

Shelves - Wall

MANUFACTURER Advance/Tabco

MODEL #   WS-12-48

FEATURES   - Verify quantities and lengths by plan.
- Mount at +4'-6" and +5'-6" AFF.
- Advise G.C. to provide wall blocking to support 50 lbs./LF.

ELECTRICAL

CONNECTION	VOLTS	PHASE	AMPS
KW	HP	ROUGH-IN HEIGHT	
ROUGH-IN COMMENTS			

PLUMBING

HW	CW	WASTE
ROUGH-IN COMMENTS		

GAS

GAS SIZE	MBH	HEIGHT
COMMENTS		

VENTILATION

CONNECTION TYPE	CFM	STAT. PRESS.
DUCT SIZE		VENT HEIGHT
COMMENTS		

ADVANCE TABCO®
SMART FABRICATION™

KD Wall Shelf

Item #: _____ *Qty #:* _____

Model #: _____

Project #: _____

FEATURES:

Furnished with a 1 1/2" sanitary downward rolled rim with a 1 1/4" turn-up edge on sides and rear.

Unit is easily assembled employing the slip-fit TAB-LOK design.

CONSTRUCTION:

Shelf and brackets are die stamped and die formed.

MATERIAL:

WS-KD Series - 18 gauge stainless steel polished to a satin finish.

AWS-KD Series - Heavy gauge aluminum.

Requirements for NSF Installations

1. Install at least 60" above floor.

2. Limit to dry storage.

3. Avoid contact with liquids.

4. For "Ganging-Up" installation, allow at least 2" between units or mount units side by side and seal joints with an approved sealant.

Length — 1" — 11 1/8" — 9 1/2"

S/S	ALUMINUM	length
WS-KD-24	AWS-KD-24	24"
WS-KD-36	AWS-KD-36	36"
WS-KD-48	AWS-KD-48	48"
WS-KD-60	AWS-KD-60	60"

Standard Wall Shelf

Furnished with a 1 1/2" sanitary downward rolled rim with a 1 1/4" turn-up edge. Ends are turned down square.

18 gauge type "430" stainless steel.

Secured to wall by means of bolts through welded brackets.

Units 7 ft. and larger are furnished with 3 brackets.

10" Wide	Qty	12" Wide	Qty	15" Wide	Qty	18" Wide	Qty
WS-10-24		WS-12-24		WS-15-36		WS-18-36	
WS-10-36		WS-12-36		WS-15-36		WS-18-36	
WS-10-48		WS-12-48		WS-15-48		WS-18-48	
WS-10-60		WS-12-60		WS-15-60		WS-18-60	
WS-10-72		WS-12-72		WS-15-72		WS-18-72	
WS-10-84		WS-12-84		WS-15-84		WS-18-84	
WS-10-96		WS-12-96		WS-15-96		WS-18-96	
WS-10-108		WS-12-108		WS-15-108		WS-18-108	
WS-10-120		WS-12-120		WS-15-120		WS-18-120	
WS-10-132		WS-12-132		WS-15-132		WS-18-132	
WS-10-144		WS-12-144		WS-15-144		WS-18-144	

Length — 1 1/2" — Width — A — 3"

Length = 24" to 144" in 12" increments.

Width	A
10"	8"
12"	10"
15"	10"
18"	10"

Work Table

MANUFACTURER Advance/Tabco

MODEL # TKSS364

FEATURES
- Sound deaden top; tacky tape is not acceptable.
- Provide with 'Z" clip backsplash and mount to wall, then seal with clear
  silicone sealant.

ELECTRICAL

CONNECTION	VOLTS	PHASE	AMPS
KW	HP	ROUGH-IN HEIGHT	
ROUGH-IN COMMENTS			

PLUMBING

HW	CW	WASTE
ROUGH-IN COMMENTS		

GAS

GAS SIZE	MBH	HEIGHT
COMMENTS		

VENTILATION

CONNECTION TYPE	CFM	STAT. PRESS.
DUCT SIZE		VENT HEIGHT
COMMENTS		

STAINLESS STEEL

WORK TABLES
PREMIUM Series - 5" Backsplash - Open Base Style

Item #: _____ **Qty #:** _____

Model #: _____

Project #: _____

NEW
Rolled Rim Edges on Front & Splash on Back and Square Side Edges

1-5/8" LEG STRETCHERS
Ensure Stability

FEATURES:

Top is furnished with 1 5/8" sanitary rolled rim edge on front and square sides, and a 5" splash with a 1" return on the rear side.

24" wide tables supplied with TWO hat channels stud welded to reinforce and maintain a level working surface. 30" and 36" wide tables supplied with THREE hat channels.

Pre-engineered welded angle adapters insure ease of future drawer installation.

Front to back Stretchers are welded to legs. Left to right Stretcher bolted to legs and requires assembly.

CONSTRUCTION:

All TIG welded. Exposed weld areas polished to match adjacent surfaces.

Entire top mechanically polished to a satin finish.

Top is sound deadened.

Roll formed embossed galvanized hat channels are secured to top by means of structural adhesive and weld studs.

Gussets welded to support hat sections.

MATERIAL:

TKSS-SERIES: Stainless Steel Legs - Open Base
TOP: 14 gauge stainless steel type "304" series.
STRETCHERS: 1 5/8" dia. tubular stainless steel.
LEGS: 1 5/8" diameter tubular stainless steel.
1" adjustable stainless steel bullet feet.
Stainless steel gussets.

TKLG-SERIES: Galvanized Legs - Open Base
TOP: 14 gauge stainless steel type "304" series.
STRETCHERS: 1 5/8" dia. tubular galvanized steel.
LEGS: 1 5/8" diameter tubular galvanized steel.
1" adjustable plastic bullet feet.
Galvanized steel gussets.

TKSS-Series:
Stainless Steel Legs & Stretchers

L	24" Wide	30" Wide	36" Wide
30"	TKSS-240	TKSS-300	
24"	TKSS-242	TKSS-302	
36"	TKSS-243	TKSS-303	TKSS-363
48"	TKSS-244	TKSS-304	TKSS-364
60"	TKSS-245	TKSS-305	TKSS-365
72"	TKSS-246	TKSS-306	TKSS-366
84"	TKSS-247	TKSS-307	TKSS-367
96"	TKSS-248	TKSS-308	TKSS-368
108"	TKSS-249	TKSS-309	TKSS-369
120"	TKSS-2410	TKSS-3010	TKSS-3610
132"	TKSS-2411	TKSS-3011	TKSS-3611
144"	TKSS-2412	TKSS-3012	TKSS-3612

TKLG-Series:
Galvanized Steel Legs & Stretchers

L	24" Wide	30" Wide	36" Wide
30"	TKLG-240	TKLG-300	
24"	TKLG-242	TKLG-302	
36"	TKLG-243	TKLG-303	TKLG-363
48"	TKLG-244	TKLG-304	TKLG-364
60"	TKLG-245	TKLG-305	TKLG-365
72"	TKLG-246	TKLG-306	TKLG-366
84"	TKLG-247	TKLG-307	TKLG-367
96"	TKLG-248	TKLG-308	TKLG-368
108"	TKLG-249	TKLG-309	TKLG-369
120"	TKLG-2410	TKLG-3010	TKLG-3610
132"	TKLG-2411	TKLG-3011	TKLG-3611
144"	TKLG-2412	TKLG-3012	TKLG-3612

NSF.

Create Your Own Efficient Workstation with the Available Standard Accessories (Visit Section K)

ADVANCE TABCO®
SMART FABRICATION™
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NEW YORK
Fax: (631) 242-6900

GEORGIA
Fax: (770) 775-5625

TEXAS
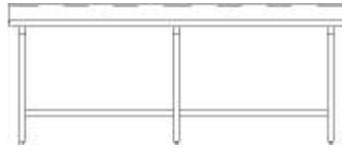Fax: (972) 932-4795

NEVADA
Fax: (775) 972-1578

J-6

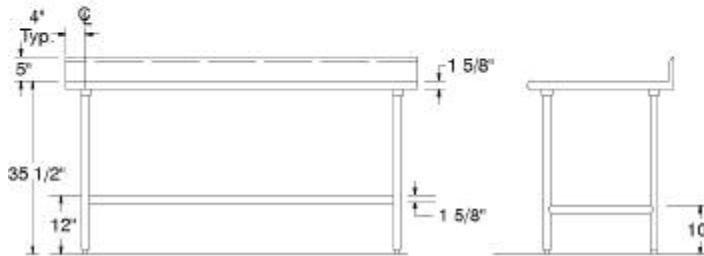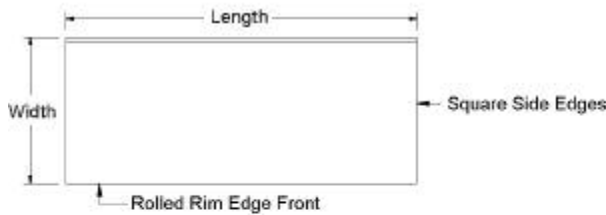# DETAILS and SPECIFICATIONS

ALL DIMENSIONS ARE TYPICAL TOL ± .500"   All Units Shipped Unassembled (KD) for Reduced Shipping Costs.

TKSS & TKLG Series
Open Base Style
5" Backsplash

Units 8ft. and larger are furnished with six (6) legs

TKSS-Series: Stainless Steel Legs & Stretchers

L	24" Wide	Wt.	30" Wide	Wt.	36" Wide	Wt.
30"	TKSS-240	49 lbs.	TKSS-300	55 lbs.		
24"	TKSS-242	43 lbs.	TKSS-302	48 lbs.		
36"	TKSS-243	55 lbs.	TKSS-303	62 lbs.	TKSS-363	80 lbs.
48"	TKSS-244	67 lbs.	TKSS-304	75 lbs.	TKSS-364	85 lbs.
60"	TKSS-245	77 lbs.	TKSS-305	89 lbs.	TKSS-365	99 lbs.
72"	TKSS-246	89 lbs.	TKSS-306	97 lbs.	TKSS-366	112 lbs.
84"	TKSS-247	107 lbs.	TKSS-307	118 lbs.	TKSS-367	131 lbs.
96"	TKSS-248	119 lbs.	TKSS-308	131 lbs.	TKSS-368	145 lbs.
108"	TKSS-249	135 lbs.	TKSS-309	150 lbs.	TKSS-369	165 lbs.
120"	TKSS-2410	234 lbs.	TKSS-3010	249 lbs.	TKSS-3610	268 lbs.
132"	TKSS-2411	258 lbs.	TKSS-3011	276 lbs.	TKSS-3611	298 lbs.
144"	TKSS-2412	273 lbs.	TKSS-3012	291 lbs.	TKSS-3612	313 lbs.

TKLG-Series: Galvanized Steel Legs & Stretchers

L	24" Wide	Wt.	30" Wide	Wt.	36" Wide	Wt.
30"	TKLG-240	49 lbs.	TKLG-300	55 lbs.		
24"	TKLG-242	43 lbs.	TKLG-302	48 lbs.		
36"	TKLG-243	55 lbs.	TKLG-303	62 lbs.	TKLG-363	80 lbs.
48"	TKLG-244	67 lbs.	TKLG-304	75 lbs.	TKLG-364	85 lbs.
60"	TKLG-245	77 lbs.	TKLG-305	89 lbs.	TKLG-365	99 lbs.
72"	TKLG-246	89 lbs.	TKLG-306	97 lbs.	TKLG-366	112 lbs.
84"	TKLG-247	107 lbs.	TKLG-307	118 lbs.	TKLG-367	131 lbs.
96"	TKLG-248	119 lbs.	TKLG-308	131 lbs.	TKLG-368	145 lbs.
108"	TKLG-249	135 lbs.	TKLG-309	150 lbs.	TKLG-369	165 lbs.
120"	TKLG-2410	234 lbs.	TKLG-3010	249 lbs.	TKLG-3610	268 lbs.
132"	TKLG-2411	258 lbs.	TKLG-3011	276 lbs.	TKLG-3611	298 lbs.
144"	TKLG-2412	273 lbs.	TKLG-3012	291 lbs.	TKLG-3612	313 lbs.

Hot Food Unit

MANUFACTURER Wells

MODEL # SMPT

FEATURES - Manufacturer's standard unit.

ELECTRICAL

CONNECTION DR	**VOLTS** 120	**PHASE** 1	**AMPS** 13.8
KW	**HP**	**ROUGH-IN HEIGHT** +48"	

ROUGH-IN COMMENTS

PLUMBING

HW	**CW**	**WASTE**

ROUGH-IN COMMENTS

GAS

GAS SIZE	**MBH**	**HEIGHT**

COMMENTS

VENTILATION

CONNECTION TYPE	**CFM**	**STAT. PRESS.**
DUCT SIZE	**VENT HEIGHT**	

COMMENTS

ITEM NO. _____

SMPT FOOD WARMER

SMPT

Wells SMPT Food Warmer is designed to hold heated foods at desired serving temperature and can be operated wet or dry. The 12″ x 20″ warming well easily adapts to hold a mixture of fractional inset pans, allowing for a variety of product servings.

Features

- **12″ x 20″ warming pan is deep-drawn, stainless steel** and easily accommodates a variety of fractional or round inset pans up to 6″ deep.

    The tubular element, located under the warming pan, allows for quick heating.

- **The positive-off thermostat** controls the element allowing for adjustable and more consistent temperatures. A signal light indicates that the heating element is energized.

- **Control** is mounted with a protective guard ring to help prevent accidental temperature changes.

- Designed for **wet or dry operation.**

- **Warmers** are Underwriters Laboratories, Inc. LISTED and meet NSF International and Canadian standards.

- **A one-year warranty** against defects covers parts and labor.

Specifications

Overall Dimensions:	Inches	MM
Width	14 3/4	375
Depth	23 1/2	597
Height (incl. 4″ legs)	12 3/8	314
Temperature Settings:	OFF/LO to HI	
Number of Controls:	1	
Weights:	**Lbs.**	**KG**
Installed	24	11
Shipping	27	12

Accessories / Options

Adapter Top, to convert 12″ x 20″ warmer to hold two 7-quart insets, 20176

Adapter Top, to convert 12″ x 20″ warmer to hold two 4-quart insets and two 2 1/2-quart insets, 20434

Adapter Top, to convert 12″ x 20″ warmer to hold one 7-quart and one 11-quart inset, 21621

Adapter Top, to convert 12″ x 20″ warmer to hold three 4-quart insets, 21615

Adapter Top, to convert 12″ x 20″ warmer to hold four 2 1/2-quart insets, 21624

Adapter Top, to convert 12″ x 20″ warmer to hold one 4-quart and one 7-quart inset, 21617

Inset, 2 1/2-quart capacity with lid, 20773

Inset, 4-quart capacity with lid, 20774

Inset, 7-quart capacity with lid, 20587

Inset, 11-quart capacity with lid, 20908

Legs, set of four, metal, 4″ adjustable, 20563

Export

The following model is available for export and meets the standards for CE:

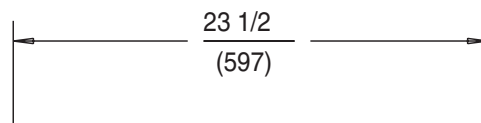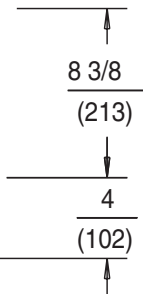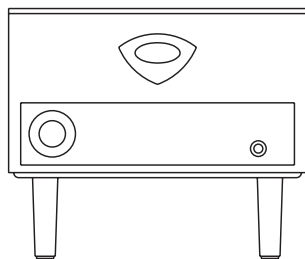- **SMPTEU**, 220-240V, 1Ø, 1650 watts

WELLS

MODEL
SMPT
FOOD WARMER

DIMENSIONS:

$$\frac{INCH}{(MM)}$$

14 3/4
(375)

23 1/2
(597)

8 3/8
(213)

4
(102)
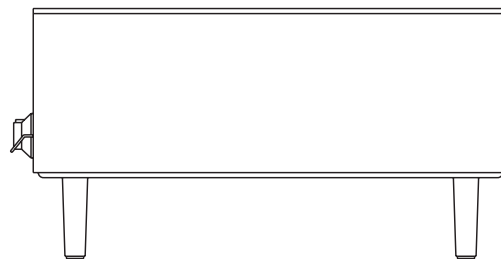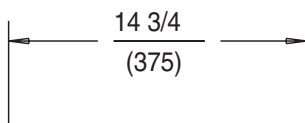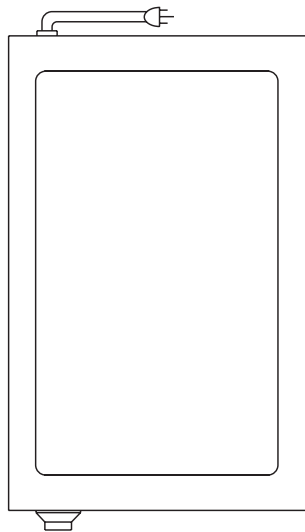
POWER
SUPPLY
CORD

SMPT ELECTRICAL SPECIFICATIONS:

MODELS	VOLTS	WATTS	AMPS	PHASE	POWER SUPPLY CORD
SMPT	120	1650	13.8	SINGLE	NEMA 5-15P
SMPT	208	1240	5.9	SINGLE	NEMA 6-15P
SMPT	240	1650	6.9	SINGLE	NEMA 6-15P
ⓢ SMPTEU	220-240	1650	6.9	SINGLE	SUPPLIED

ⓢ Denotes export (EU) products.

NOTE: Specifications are subject to change without notice.

WELLS

Hot Food Cabinet

MANUFACTURER Alto-Shaam

MODEL #   500-S

FEATURES   - Door swing as shown on plan.

ELECTRICAL

CONNECTION	DR	**VOLTS**	120	**PHASE**	1	**AMPS** 8.4
KW		**HP**		**ROUGH-IN HEIGHT**	+12"	
ROUGH-IN COMMENTS						

PLUMBING

HW	**CW**	**WASTE**
ROUGH-IN COMMENTS		

GAS

GAS SIZE	**MBH**	**HEIGHT**
COMMENTS		

VENTILATION

CONNECTION TYPE	**CFM**	**STAT. PRESS.**
DUCT SIZE		**VENT HEIGHT**
COMMENTS		

ALTO-SHAAM

500-S SERIES
LOW TEMPERATURE
HOT FOOD HOLDING CABINETS

ecosmart®

• HALO HEAT…a controlled, uniform heat source that gently surrounds food for better appearance, taste, and longer holding life.

• Holds hot food hot...meat, poultry, fish, potatoes, casseroles, vegetables, rolls, etc.

• Close temperature tolerance and even heat application maintain ideal serving temperatures throughout the cabinet.

• Stainless steel interior resists corrosion.

• Available in reach-in or pass-through design.

• Casters provide easy mobility.

• Can be stacked with an identical unit or cook/hold oven to save space.

• Antimicrobial handle retards the growth of illness-causing pathogens.

• Digital control senses temperature drops faster, providing quick heat recovery time.

• Door venting holds crispy food better.

Short Form Spec

Alto-Shaam single compartment 500-S hot food holding cabinet is constructed with a stainless steel exterior and stainless steel door with magnetic latch. The cabinet includes a Simple control with on/off power switch; up and down arrow buttons with a temperature range of 60°F to 200°F (16°C to 93°C); heat indicator light; temperature display buttons, and digital display. Included are two (2) chrome plated side racks with eleven (11) pan positions spaced at 1-3/8" (35mm) centers, two (2) chrome plated wire shelves, and one (1) set of 2-1/2" (64mm) heavy duty casters – 2 rigid and 2 swivel with brake.

☐ **MODEL 500-S** Hot food holding cabinet

DELUXE CONTROL OPTION
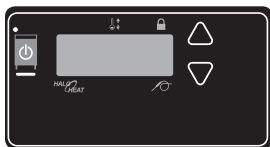
☐ Solid state electronic control option simplifies temperature setting and has a clear, easy-to-read LED display and includes our patented SureTemp™ heat recovery system. SureTemp™ reacts immediately to compensate for any loss of heat whenever the door is opened.

☐ Deluxe control is also available with six independent multiple timers for each compartment to facilitate "first-in, first-out" concept.

☐ Deluxe control with internal temperature probe.

ANSI/NSF 4

c UL us
LISTED
COOKING APPLIANCE
584m

CE

TÜV NORD
Type Tested

IP X3

EAC

N11942
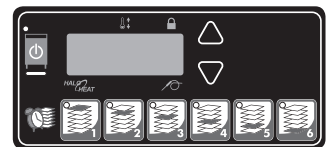
FACTORY-INSTALLED OPTIONS

• Electrical Choices
  ☐ 120V
  ☐ 208-240V
  ☐ 230V

• Cabinet Choices
  ☐ Reach-In, standard
  ☐ Pass-Through, optional

• Exterior Panel Color Choices:
  ☐ Stainless steel, standard
  ☐ Burgundy, optional
  ☐ Custom color, optional

• Door Swing Choices:
  ☐ Right-hand swing, standard
  ☐ Left-hand swing, optional

  Note: Pass-through cabinets cannot have all doors hinged on the same side.

ADDITIONAL FEATURES

• Stackable design

  Stackable with 500 Series single compartment ovens and holding cabinets. Order appropriate stacking hardware.

HALO HEAT®

AQ

Cord Length:
120V - 5' (1524mm)
208-240V - 8' (2438mm)
230V - 8' (2438mm)

21" (532mm)

Electrical Connection

Shown with optional bumper

44-1/16" (1118mm)
29-7/8" (758mm)

Pass-Through Option

Electrical Connection

58-1/4" (1479mm)
41-1/16" (1043mm)

19-1/8" (486mm)
18-1/16" (458mm)

31-7/8" (809mm) with 2-1/2" (64mm) casters*
3-5/8" (91mm)

16" (406mm)
19" (483mm)

29" (737mm)
26-9/16" (675mm)
14-1/2" (368mm)

Electrical Connection

Pass-Through Option

28-13/16" (732mm)

19-1/8" (556mm)
26-3/8" (670mm)
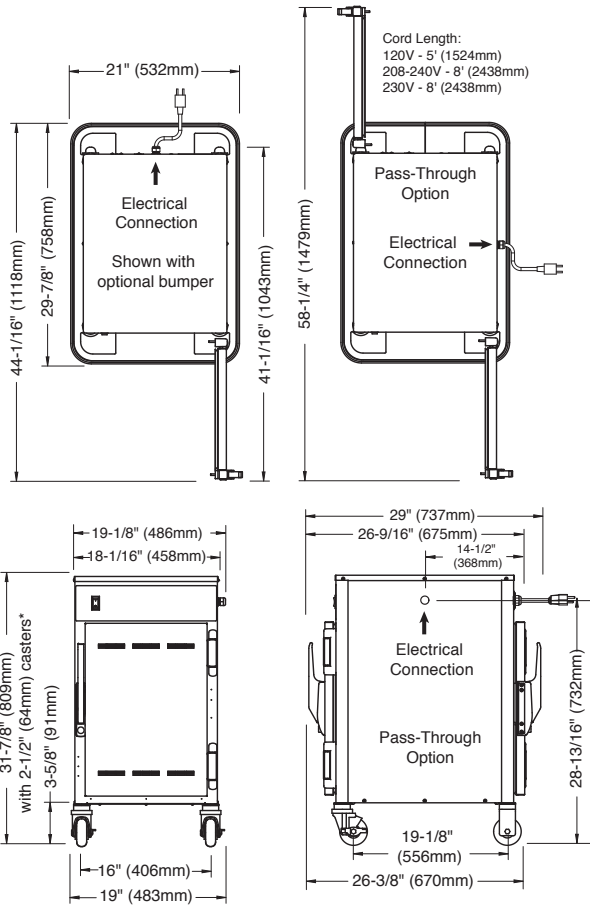
*33-3/8" (848mm) - with optional 3-1/2" (89mm) casters
*35-1/4" (894mm) - with optional 5" (127mm) casters
*33-3/4" (857mm) - with optional 6" (152mm) legs

DIMENSIONS: H x W x D

EXTERIOR:	
31-7/8" x 19" x 26-9/16" (809mm x 483mm x 675mm)	
PASS-THROUGH:	
31-7/8" x 19-1/8" x 29" (809mm x 486mm x 737mm)	
INTERIOR:	
20" x 14-3/8" x 21-1/2" (507mm x 362mm x 546mm)	

ELECTRICAL

VOLTAGE	PHASE	CYCLE/HZ	AMPS	kW	CORD & PLUG
120	1	60	8.4	1.0	NEMA 5-15P, 15A-125V PLUG
208	1	60	3.7	.76	NEMA 6-15P,
240	1	60	4.2	1.0	15A-250V PLUG (U.S.A. ONLY)
230	1	50/60	4.1	.95	PLUGS RATED 250V

CEE 7/7   CH2-16P   BS 1363   AS/NZS 3112

PRODUCT\PAN CAPACITY

60 lbs (27 kg) MAXIMUM
VOLUME MAXIMUM: 50 QUARTS (47.5 LITERS)

	FULL-SIZE PANS:	GASTRONORM 1/1:
Six (6)*	20" x 12" x 2-1/2"	530mm x 325mm x 65mm
Three (3)*	20" x 12" x 4"	530mm x 325mm x 100mm

*ON WIRE SHELVES ONLY. WITH ADDITIONAL WIRE SHELVES.

	HALF-SIZE SHEET PANS:	
Eleven (11)	18" x 13" x 1"	457mm x 330mm x 25mm

CLEARANCE REQUIREMENTS

REAR	3" (76mm)
TOP	2" (51mm)
EACH SIDE	1" (25mm)

WEIGHT

NET: (EST.) 110 lb (50 kg)   **SHIP:** 150 lb (68 kg)

CARTON DIMENSIONS: (L x W x H)
35" x 23" x 41" (889mm x 584mm x 1041mm)

INSTALLATION REQUIREMENTS

— Appliance must be installed level.
— The appliance must not be installed in any area where it may be affected by steam, grease, dripping water, extreme temperatures, or any other severely adverse conditions.
— Appliances with casters and no cord or plug must be secured to the building structure with a flexible connector. NOT FACTORY SUPPLIED.

OPTIONS & ACCESSORIES

☐ Bumper, Full Perimeter	
(NOT AVAILABLE WITH 2-1/2" CASTERS)	5011161
☐ Handle, Push/Pull	55662
☐ Carving Holder, Prime Rib	HL-2635
☐ Carving Holder, Steamship (Cafeteria) Round	4459
Casters, Stem - 2 RIGID, 2 SWIVEL W/BRAKE	
☐ 5" (127mm)	5004862
☐ 3-1/2" (89mm)	5008017
☐ Door Lock with Key	LK-22567

☐ Drip Pan with Drain, 1-7/8" (48mm) deep	14813
☐ Drip Pan without Drain, 1-7/8" (48mm) deep	11898
☐ Drip Tray - External	5010736
☐ Legs, 6" (152mm), Flanged (SET OF FOUR)	5011149
☐ Security Panel with Lock	5013939
☐ Shelf, Chrome Wire	SH-2107
☐ Shelf, Stainless Steel, Flat Wire	SH-2326
☐ Stacking Hardware	5004864

Sandwich Make Refrigerator

MANUFACTURER Randell

MODEL #   9210-32-7

FEATURES   - Flat top.

ELECTRICAL

CONNECTION	DR	**VOLTS**	120	**PHASE**	1	**AMPS**	9.0
KW		**HP**		**ROUGH-IN HEIGHT**	+12"		
ROUGH-IN COMMENTS							

PLUMBING

HW	**CW**	**WASTE**
ROUGH-IN COMMENTS		

GAS

GAS SIZE	**MBH**	**HEIGHT**
COMMENTS		

VENTILATION

CONNECTION TYPE	**CFM**	**STAT. PRESS.**
DUCT SIZE		**VENT HEIGHT**
COMMENTS		

randell™

PREPARATION TABLE
SIDE MOUNT SALAD TOP MODEL 9200-32-7

Randell mullion blower coil, with thermostatic control, cools pans and/or base, and allows for use of full depth interiors. R-134a expansion valve refrigeration system in refrigerators are CFC free. Units with durable shelf supports molded into sides, lift-off louver, condensate evaporator, "CFC free" foamed in place insulation and 6" high adjustable legs. Cordset for 115V operation.

AVAILABLE MODELS:
- ☐ 9210-32-7
- ☐ 9200-32-7
- ☐ 9230-32-7
- ☐ 9220-32-7

STANDARD FEATURES:
- Side mounted compressor with mullion "Turbo" coil provides proper pan cooling, and "full depth" usable interior space
- R-134a refrigerant in refrigerators and R-404a in freezers both are "CFC free"
- Exterior stainless steel top & front
- Foamed in place "CFC free" urethane insulation
- Self-closing doors with exclusive press-fit magnetic gaskets
- Shelf supports molded into sides
- Expansion valve
- Condensate evaporator
- Cord and plug for 115 volt operation
- 6" high adjustable legs
- Full length NSF approved 12" wide composition cutting board
- Stainless steel roll cover

CABINET EXTERIOR: Cabinet body is constructed of all metal. The top, front, sides and louver panel are stainless steel. Bottom & back of unit are corrosion resistant steel. Saladtop refrigerator to have top cutout with sanitary raised rim and recessed adaptor. Hinged, stainless steel roll-cover. Full length, NSF composition 12" cutting board provided.

CABINET INTERIOR: Interior of cabinet is fully coved to meet N.S.F. standard #7. The Interior bottom, back, and top are anodized aluminum with coved corners or easy clean-up. The interior ends are ABS. Shelf supports molded into sides. Unit insulated with a minimum of 2.5" of CFC free, foamed in place polyurethane.

DOORS: Stainless steel front with easy to grasp recessed handles, mounted on heavy duty concealed hinges. Hinges are all stainless steel with bronze pivot pin in nylon bushing. Doors with foamed in place insulation,press fit magnetic gaskets - (designed for installation & removal without tools), and deep draw ABS interior liner for maximum insulation value.

REFRIGERATION: Refrigerators utilize a CFC free, R-134a Expansion Valve refrigeration system that includes condensing unit, and thermostatic control for operator adjustability. Compressor housing to allow maximum airflow and permit mounting of standard hot gas condensate evaporator. Mullion coil, is coated to resist corrosion, and offers maximum air flow.

This equipment is intended for use in rooms having an ambient temperature of 86°F (30°C) or less.

ORIGIN OF MANUFACTURE: Designed and manufactured in the United States.

9200-32-7 Side Mount Salad Tops, Model 9200-32-7 shown.

c(UL) (UL) NSF

OPTIONS/ACCESSORIES:
- ☐ Stainless steel back panel
- ☐ Tray racks for 24" or 27" openings only
- ☐ Refrigerated drawers
- ☐ Overshelves
- ☐ Casters

48" X 12" X .375"
POLY CUTTING BOARD

60" X 12 X .375"
POLY CUTTING BOARD

72" X 12" X .375"
POLY CUTTING BOARD

15.43" 1.625"

18"REFRIG. 18"REFRIG.

LOUVERED
END PANEL
48"

20.75" 1.375"

24"REFRIG. 24"REFRIG.

LOUVERED
END PANEL
60"

7.895" 0.59" 1.625"

27"REFRIG. 27"REFRIG.

LOUVERED
END PANEL
72"

84" X 12" X .375"
POLY CUTTING BOARD

19.895" 0.59" 1.625"

24"REFRIG. 18"REFRIG. 24"REFRIG.

LOUVERED
END PANEL
84"

9.275"

36"

43.75"

33"

Drawings are to be viewed in the same order as the chart, one drawing to represent refrigerator and freezer units

NOTE: When ordering casters, 6" casters equal 35" height; 4" casters equal 33" height

Model	L	W	H	Doors	Storage Cu. Ft.	Pan Capacity	HP	Volt	Amps	NEMA	Ship Wt.
9210-32-7	48"	33"	36"	(2)18"	12.2	(4)1/3	1/3	115/60/1	9	5-15P	335
9200-32-7	60"	33"	36"	(2)24"	16.5	(5)1/3	1/3	115/60/1	9	5-15P	460
9230-32-7	72"	33"	36"	(2)27"	19.8	(8)1/3	3/8	115/60/1	9	5-15P	475
9220-32-7	84"	33"	36"	(2)24",(1)18"	20.6	(8)1/3	3/8	115/60/1	9	5-15P	520

unified brands™
A DOVER COMPANY

Beverage Counter with Sink

Mark #   **863**

MANUFACTURER Fabricator

MODEL #   SS Custom

FEATURES
- Size and shape as shown on plan.
- Refer to Standard Detail 2.01.
- Open base; no front crossrail.
- 14 ga. Type 300 stainless steel.
- With integrally welded 10" x 14" x 9.5" sink with faucet and lever drain.
- Sound deaden top; tacky tape is not acceptable.
- Provide with "Z"-clip backsplash and seal to wall with clear silicone sealant.
- Cut-in and seal drain trough where shown on plan.

ELECTRICAL

CONNECTION	VOLTS	PHASE	AMPS
KW	HP	ROUGH-IN HEIGHT	
ROUGH-IN COMMENTS			

PLUMBING

HW 1/2", +12"	CW 1/2", +12"	WASTE IW, 1" to FS
ROUGH-IN COMMENTS		

GAS

GAS SIZE	MBH	HEIGHT
COMMENTS		

VENTILATION

CONNECTION TYPE	CFM	STAT. PRESS.
DUCT SIZE		VENT HEIGHT
COMMENTS		

Wall Shelf

MANUFACTURER Advance/Tabco

MODEL #   WS-12-60

FEATURES   - Verify size and quantity per plan.
                    - Mount at +4'-6" AFF.
                    - Advise G.C. to provide wall blocking to support 50 lbs./LF.

ELECTRICAL

CONNECTION	VOLTS	PHASE	AMPS
KW	HP	ROUGH-IN HEIGHT	
ROUGH-IN COMMENTS			

PLUMBING

HW	CW	WASTE
ROUGH-IN COMMENTS		

GAS

GAS SIZE	MBH	HEIGHT
COMMENTS		

VENTILATION

CONNECTION TYPE	CFM	STAT. PRESS.
DUCT SIZE		VENT HEIGHT
COMMENTS		

ADVANCE TABCO®
SMART FABRICATION™

KD Wall Shelf

> **Item #:** _____ **Qty #:** _____
>
> **Model #:** _____
>
> **Project #:** _____

FEATURES:

Furnished with a 1 1/2" sanitary downward rolled rim with a 1 1/4" turn-up edge on sides and rear.

Unit is easily assembled employing the slip-fit TAB-LOK design.

CONSTRUCTION:

Shelf and brackets are die stamped and die formed.

MATERIAL:

WS-KD Series - 18 gauge stainless steel polished to a satin finish.

AWS-KD Series - Heavy gauge aluminum.

Requirements for NSF Installations

1. Install at least 60" above floor.

2. Limit to dry storage.

3. Avoid contact with liquids.

4. For "Ganging-Up" installation, allow at least 2" between units or mount units side by side and seal joints with an approved sealant.

S/S	ALUMINUM	length
WS-KD-24	AWS-KD-24	24"
WS-KD-36	AWS-KD-36	36"
WS-KD-48	AWS-KD-48	48"
WS-KD-60	AWS-KD-60	60"

Standard Wall Shelf

Furnished with a 1 1/2" sanitary downward rolled rim with a 1 1/4" turn-up edge. Ends are turned down square.

18 gauge type "430" stainless steel.

Secured to wall by means of bolts through welded brackets.

Units 7 ft. and larger are furnished with 3 brackets.

10" Wide	Qty	12" Wide	Qty	15" Wide	Qty	18" Wide	Qty
WS-10-24		WS-12-24		WS-15-36		WS-18-36	
WS-10-36		WS-12-36		WS-15-36		WS-18-36	
WS-10-48		WS-12-48		WS-15-48		WS-18-48	
WS-10-60		WS-12-60		WS-15-60		WS-18-60	
WS-10-72		WS-12-72		WS-15-72		WS-18-72	
WS-10-84		WS-12-84		WS-15-84		WS-18-84	
WS-10-96		WS-12-96		WS-15-96		WS-18-96	
WS-10-108		WS-12-108		WS-15-108		WS-18-108	
WS-10-120		WS-12-120		WS-15-120		WS-18-120	
WS-10-132		WS-12-132		WS-15-132		WS-18-132	
WS-10-144		WS-12-144		WS-15-144		WS-18-144	

Length = 24" to 144" in 12" increments.

Width	A
10"	8"
12"	10"
15"	10"
18"	10"

ADVANCE TABCO is constantly engaged in a program of improving our products. Therefore, we reserve the right to change specifications without prior notice. © ADVANCE TABCO, AUGUST 2003 **O-13**

Coffee Brewer

MANUFACTURER Fetco

MODEL # CBS-52H-15

FEATURES - Item by Vendor, NIKEC.
- Provision to include airpots as needed.

ELECTRICAL

CONNECTION	JB	VOLTS	120/208	PHASE	1	AMPS	
KW	4.6	HP		ROUGH-IN HEIGHT	+48"		
ROUGH-IN COMMENTS							

PLUMBING

HW		CW	1/2", +48"	WASTE	
ROUGH-IN COMMENTS					

GAS

GAS SIZE		MBH		HEIGHT	
COMMENTS					

VENTILATION

CONNECTION TYPE		CFM		STAT. PRESS.	
DUCT SIZE			VENT HEIGHT		
COMMENTS					

HANDLE OPERATED
COFFEE BREWER

CBS-5000 Series

CBS-52H-15

Twin 1.5 Gallon Brewer

The **CBS-5000 Series** was designed for simplicity. The Handle Operated Series brewers save the operator time and effort by delivering quick and consistent results from your pre-programmed coffee recipe. It is the reliable choice for serving high-volumes of single batch coffee all day long.

Handle operation — a quick start!

Simply twist the handle to begin the brew cycle and in minutes your perfectly brewed coffee is ready to serve.

Manual water faucet.

Safely dispense hot water away from steam and brew basket.

Set it and forget it.

Program your recipe once and this brewer delivers consistent and repeatable results.

Shown with 1.5 Gallon LUXUS® Thermal Dispensers (L4D-15)

FETCO®
TRUSTED | RELIABLE | QUALITY

Water Specification

Water Inlet	Minimum Flow Rate	Water Pressure
⅜" male flare fitting	1¼ gpm [4.71 lpm]	20-75 psig [138-517 kPa]

Electrical Configuration

Configuration Code	Heater Configuration	Voltage	Phase	Wires	KW	Electrical Connection	Max Amp Draw	Gallon [Liter] /Hour
US & CANADA								
C52016	2 x 3.0 kW	120/208-240	1	3+G	4.6-6.1	Terminal Block	22.0-25.4	10.5-15.0 [39.7-56.8][1]
C52026	2 x 4.0 kW	120/208-240	1	3+G	6.1-8.1	Terminal Block	29.3-33.8	15.0-19.5 [56.8-73.8][1]
C52036[2]	3 x 3.0 kW	120/208-240	3	4+G	7.0-9.1	Terminal Block	19.5-22.4	16.5-22.5 [62.5-85.2][1]
C52046[2]	3 x 4.0 kW	120/208-240	3	4+G	9.1-12.1	Terminal Block	25.6-29.6	22.5-30.0 [85.2-113.6][1]
C52186[2]	3 x 4.0 kW	440-480	3	3+G	10.3-12.1	Terminal Block	13.6-14.8	22.5-30.0 [85.2-113.6][1]
INTERNATIONAL								
C52076[2]	3 x 3.0 kW	220-240/380-415	3	4+G	7.8-9.1	Terminal Block	11.8-12.9	19.5-22.5 [73.8-85.2][1]
C52086[2]	3 x 4.0 kW	220-240/380-415	3	4+G	10.3-12.1	Terminal Block	15.7-17.1	25.5-30.0 [96.5-113.6][1]
C52096	2 x 3.0 kW	220-240	1	2+G	5.1-6.1	Terminal Block	23.3-24.4	13.5-15.0 [51.1-56.8][1]
C52106	2 x 4.0 kW	220-240	1	2+G	6.8-8.1	Terminal Block	30.9-33.8	18.0-19.5 [68.1-73.8][1]

(1) Based on standard factory settings: 4.0 minute brew time; 0% prewet; 200°F water.
(2) Requires 3 phase Electrical Power System (Z056).

Measurements

Height	Width	Depth	Empty Weight	Filled Weight	Shipping Weight	Shipping Dimensions:
36" [91.4 cm]	21" [53.3 cm]	16" [40.6 cm]	82 lbs [37.2 kg]	145 lbs [65.8 kg]	100 lbs [45.4 kg]	35" x 23" x 23" [88.9 x 58.4 x 58.4 cm]
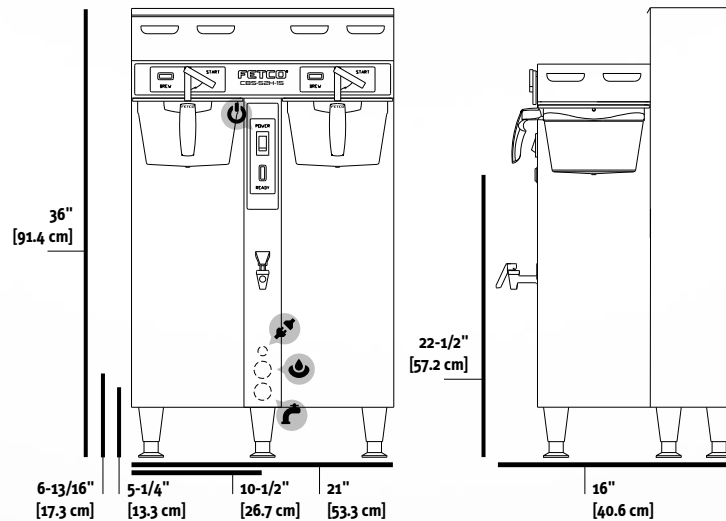
Electrical Connector
Tank Drain
Water Inlet
On / Off Switch

36" [91.4 cm]

22-1/2" [57.2 cm]

6-13/16" [17.3 cm] 5-1/4" [13.3 cm] 10-1/2" [26.7 cm] 21" [53.3 cm]

16" [40.6 cm]

Compatibile Dispensers

1.5 Gallon LUXUS® Thermal Server (L4S-15) **Must be used with S4S Serving Stations.**	D452
1.5 Gallon LUXUS® Thermal Dispenser (L4D-15)	D449
1.5 Gallon LUXUS® Portable Thermal Dispenser (TPD-15)	D009

Customize Your Brewer

Single Serving Station for L4S-15/20 Server	A150
Twin Serving Station for L4S-15/20 Server	A151
Triple Serving Station for L4S-15/20 Server	A152
Identifier Plates, Acrylic	A069
Hot Tea Infuser (1.5 Gallon Size)	A113
Drip Tray - Square	A137

Cups per Hour*

8oz. 475   12oz. 317   16oz. 238   20oz. 190

* Approximate based on maximum power setting.

Paper Coffee Filters

15" x 5.5" (500/Case)	F001

Information

fetco.com
info@fetco.com
847.719.3000
1.800.338.2699 USA
847.719.3001

Food Equipment Technologies Co.
600 Rose Road
Lake Zurich, IL 60047
USA

FETCO®

Water Filter

MANUFACTURER Everpure

MODEL #   Insurice 9324-01

FEATURES   - (2) extra Everpure cartridges.

ELECTRICAL

CONNECTION	VOLTS	PHASE	AMPS
KW	HP	ROUGH-IN HEIGHT	
ROUGH-IN COMMENTS			

PLUMBING

HW	CW	1/2", +48"	WASTE
ROUGH-IN COMMENTS	Extend to ice maker, Mark 709		

GAS

GAS SIZE	MBH	HEIGHT
COMMENTS		

VENTILATION

CONNECTION TYPE	CFM	STAT. PRESS.
DUCT SIZE	VENT HEIGHT	
COMMENTS		

Insurice Single-I 2000 System

Delivers premium quality water for ice applications

Insurice Single-I 2000 System: EV9324-01

I 2000 Replacement Cartridge: EV9612-21

BENEFITS

Reduces water-related ice machine problems caused by scale build-up from dirt and dissolved minerals

Reduces chlorine taste and odor and other offensive contaminants

Self-contained scale inhibitor feed keeps ice machines functioning at full capacity

Reduces maintenance and service costs by reducing scale and clogging of distribution lines, evaporator plate and pump

Precoat submicron technology reduces dirt and particles as small as 1/2 micron in size

Reduces possible health contaminants such as asbestos fibers and Cryptosporidium and Giardia cysts

Sanitary cartridge replacement is simple, quick and clean. Internal filter parts are never exposed to handling or contamination

NSF Certified under NSF/ANSI Standards 42 and 53

INSTALLATION TIPS

Choose a mounting location suitable to support the full weight of the system when operating

Never use saddle valve for connection

Use 3/8" water line

Do not connect system to water-cooled condenser

Install vertically with cartridges hanging down and allow 2-1/2" clearance below the cartridge for easy cartridge replacement

Flush cartridges by running water through system for five minutes at full flow

OPERATION TIPS

Change cartridges on a regular 6 month preventative maintenance program

Change cartridges when capacity is reached or when pressure falls below 10 psi

Service flow rate must not exceed 1.67 gpm

Always flush the filter cartridge at time of installation and cartridge change

APPLICATION/SIZING

For ice machine applications

Most cubers up to 750 lbs./day

Most flakers up to 1,500 lbs./day

Insurice Single-I 2000 System

Overall Dimensions:
29"H x 7"W x 7"D

Inlet connection: 3/8"

Outlet connection: 3/8"

Service Flow Rate:
Maximum 1.67 gpm (6.3 Lpm)

Pressure Requirements:
10 - 125 psi (0.7 – 8.6 bar), non-shock

Temperature: 35 - 100°F (2 - 38°C)

No electrical connection required

Shipping Weight: 6 lbs.

Operating Weight: 9 lbs.

The contaminants or other substances removed or reduced by this drinking water system are not necessarily in your water. Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used with disinfected water that may contain filterable cysts.

6"

INLET 3/8" FNPT

OUTLET 3/8" FNPT

27.38"

WARRANTY

Everpure water treatment systems (excluding replaceable elements) are covered by a limited warranty against defects in material and workmanship for a period of five years after date of purchase. Everpure replaceable elements (filter cartridges and water treatment cartridges) are covered by a limited warranty against defects in material and workmanship for a period of one year after date of purchase. See printed warranty for details. Everpure will provide a copy of the warranty upon request.

System Tested and Certified by NSF International against NSF/ANSI Standard 42 and 53 for the reduction of:

Standard No. 42: Aesthetic Effects
    Chemical Unit
        Taste and Odor Reduction
        Chlorine Reduction
    Mechanical Filtration Unit
        Particulate Reduction, Class I:
        99.9+% reduction of particles
        one-half micron and larger in size
Standard No. 53: Health Effects
    Mechanical Filtration Unit
        Turbidity Reduction
        Cyst Reduction
        Asbestos Reduction

EVERPURE®

EVERPURE, INC.
2375 Sanders Road
Northbrook, IL 60062
Toll Free (800) 323-7873
Tel (847) 205-6000
Fax (800) 942-0081
http://www.everpure.com

In Europe:
N.V. EVERPURE (EUROPE) S.A.
Geldenaaksebaan 478
B-3001 Heverlee
Belgium
Tel 32-16-401191
FAX 32-16-402691

In Japan:
EVERPURE JAPAN, INC.
1-8-19, Tsumada Kita,
1-Chome, Atsugi City
Kanagawa Ken 243-0812
Japan
Tel 81-462-23-6563
FAX 81-462-21-6775

Everpure, Inc.
2375 Sanders Road
Northbrook, IL 60062
Phone: 800-323-7873 Fax: 800-942-0081

Undercounter Refrigerator

MANUFACTURER True

MODEL #   TUC-27

FEATURES   - Provide with 3" casters in place of legs.

ELECTRICAL

CONNECTION DR	**VOLTS** 120	**PHASE** 1	**AMPS** 2.0
KW	**HP**	**ROUGH-IN HEIGHT** +12"	
ROUGH-IN COMMENTS			

PLUMBING

HW	**CW**	**WASTE**
ROUGH-IN COMMENTS		

GAS

GAS SIZE	**MBH**	**HEIGHT**
COMMENTS		

VENTILATION

CONNECTION TYPE	**CFM**	**STAT. PRESS.**
DUCT SIZE	**VENT HEIGHT**	
COMMENTS		

TRUE FOOD SERVICE EQUIPMENT, INC.

2001 East Terra Lane • O'Fallon, Missouri 63366-4434 • (636)240-2400
Fax (636)272-2408 • Toll Free (800)325-6152 • Intl Fax# (001)636-272-7546
Parts Dept. (800)424-TRUE • Parts Dept. Fax# (636)272-9471 • www.truemfg.com

Project Name: _____

Location: _____

Item #: _____ *Qty:* _____

Model #: _____

AIA #

SIS #

Model:
TUC-27-HC

Undercounter:
Solid Door Refrigerator with Hydrocarbon Refrigerant

TUC-27-HC

▸ True's undercounter units are designed with enduring quality that protects your long term investment.

▸ Designed using the highest quality materials and components to provide the user with colder product temperatures, lower utility costs, exceptional food safety and the best value in today's food service marketplace.

▸ Factory engineered, self-contained, capillary tube system using environmentally friendly R290 hydro carbon refrigerant that has zero (0) ozone depletion potential (ODP), & three (3) global warming potential (GWP).

▸ Energy Efficient, environmentally friendly forced-air refrigeration system holds 33°F to 38°F (.5°C to 3.3°C).

▸ All stainless steel front, top and ends. Corrosion resistant GalFan coated steel back.

▸ Interior - attractive, NSF approved, clear coated aluminum liner. Stainless steel floor with coved corners.

▸ Heavy duty PVC coated wire shelves.

▸ Foamed-in-place using a high density, polyurethane insulation that has zero ozone depletion potential (ODP) and zero global warming potential (GWP).

ROUGH-IN DATA

Specifications subject to change without notice.
Chart dimensions rounded up to the nearest ⅛" (millimeters rounded up to next whole number).

Model	Doors	Shelves	Cabinet Dimensions (inches) (mm)			HP	Voltage	Amps	NEMA Config.	Cord Length (total ft.) (total m)	Crated Weight (lbs.) (kg)
			L	D†	H*						
TUC-27-HC	1	2	27⅝	30⅛	29¾	⅙	115/60/1	2.0	5-15P	7	195
			702	766	756	⅙	230-240/50/1	1.0	▲	2.13	89

† Depth does not include 1" (26 mm) for rear bumpers.
* Height does not include 6¼" (159 mm) for castors or 6" (153 mm) for optional legs.

▲ Plug type varies by country.

APPROVALS:

AVAILABLE AT:

3/17

Printed in U.S.A.

STANDARD FEATURES

DESIGN
• True's commitment to using the highest quality materials and oversized refrigeration systems provides the user with colder product temperatures, lower utility costs, exceptional food safety and the best value in today's food service marketplace.

REFRIGERATION SYSTEM
• Factory engineered, self-contained, capillary tube system using environmentally friendly R290 hydro carbon refrigerant that has zero (0) ozone depletion potential (ODP), & three (3) global warming potential (GWP).
• Energy efficient, factory balanced refrigeration system with guided airflow to provide uniform product temperatures.
• High capacity, factory balanced refrigeration system that maintains cabinet temperatures of 33°F to 38°F (.5°C to 3.3°C) for the best in food preservation.
• State of the art, electronically commutated evaporator and condenser fan motors. ECM motors operate at higher peak efficiencies and move a more consistent volume of air which produces less heat, reduces energy consumption and provides greater motor reliability.
• Condensing unit access in back of cabinet, slides out for easy maintenance.

CABINET CONSTRUCTION
• Exterior - stainless steel front, top and ends. Corrosion resistant GalFan coated steel back.
• Interior - attractive, NSF approved, clear coated aluminum liner. Stainless steel floor with coved corners.

• Insulation - entire cabinet structure and solid door are foamed-in-place using a high density, polyurethane insulation that has zero ozone depletion potential (ODP) and zero global warming potential (GWP).
• 5" (127 mm) diameter stem castors - locks provided on front set. 36" (915 mm) work surface height.

DOOR
• Stainless steel exterior with clear aluminum liner to match cabinet interior.
• Door fitted with 12" (305 mm) long recessed handle that is foamed-in-place with a sheet metal interlock to ensure permanent attachment.
• Positive seal self-closing door with 90° stay open feature. Door swing within cabinet dimensions.
• Magnetic door gasket of one piece construction, removable without tools for ease of cleaning.

SHELVING
• Two (2) adjustable, heavy duty PVC coated wire shelves 23 ¼"L x 16"D (591 mm x 407 mm). Four (4) chrome plated shelf clips included per shelf.
• Shelf support pilasters made of same material as cabinet interior; shelves are adjustable on ½" (13 mm) increments.

MODEL FEATURES
• Evaporator is epoxy coated to eliminate the potential of corrosion.
• NSF/ANSI Standard 7 compliant for open food product.

ELECTRICAL
• Unit completely pre-wired at factory and ready for final connection to a 115/60/1 phase, 15 amp dedicated outlet. Cord and plug set included.
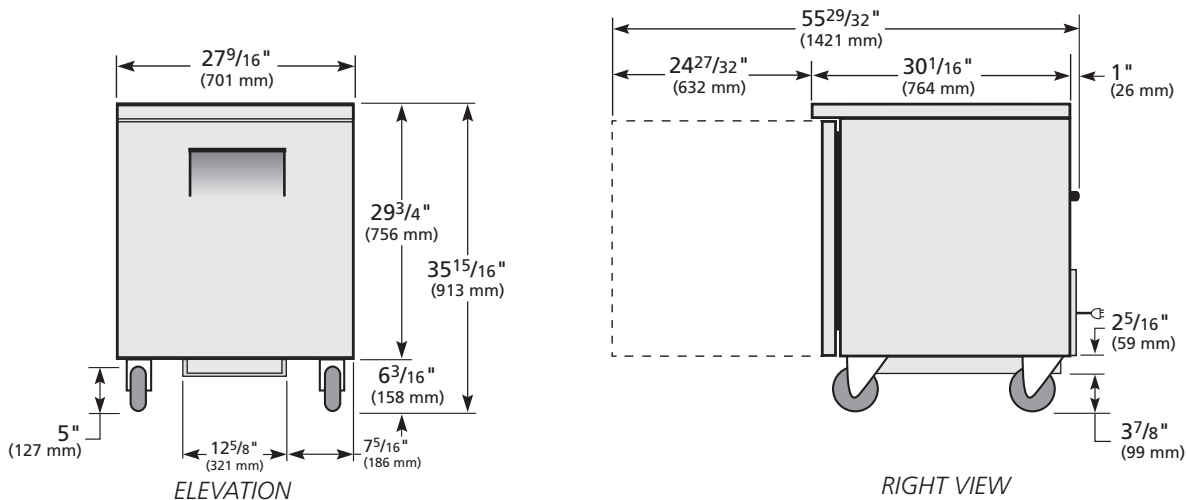
115/60/1
NEMA-5-15R

OPTIONAL FEATURES/ACCESSORIES
Upcharge and lead times may apply.
❏ 230 - 240V / 50 Hz.
❏ 6" (153 mm) standard legs.
❏ 6" (153 mm) seismic/flanged legs.
❏ 2½" (64 mm) diameter castors.
❏ Barrel lock (factory installed).
❏ Single overshelf.
❏ Double overshelf.
❏ TUC-27 Stacking collar.
❏ 30" (762 mm) deep, ½" (13 mm) thick, white polyethylene cutting board. Requires "L" brackets.
❏ 30" (762 mm) deep, ½" (13 mm) thick, composite cutting board. Requires "L" brackets.
❏ Heavy duty, 16 gauge tops.
❏ Exterior rectangular digital temperature display (factory installed).
❏ ADA compliant models with 34" (864 mm) work surface height.

PLAN VIEW

27⁹/₁₆" (701 mm)
29³/₄" (756 mm)
35¹⁵/₁₆" (913 mm)
6³/₁₆" (158 mm)
5" (127 mm)
12⁵/₈" (321 mm)
7⁵/₁₆" (186 mm)

ELEVATION

55²⁹/₃₂" (1421 mm)
24²⁷/₃₂" (632 mm)
30¹/₁₆" (764 mm)
1" (26 mm)
2⁵/₁₆" (59 mm)
3⁷/₈" (99 mm)

RIGHT VIEW

WARRANTY*
Three year warranty on all parts and labor and an additional 2 year warranty on compressor.
(U.S.A. only)
*RESIDENTIAL APPLICATIONS: True assumes no liability for parts or labor coverage for component failure, factory defect or any other damages for units installed in non-commercial foodservice or residential applications.

METRIC DIMENSIONS ROUNDED UP TO THE NEAREST WHOLE MILLIMETER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

KCL	Model	Elevation	Right	Plan	3D	Back
	TUC-27-HC	TFQY01E	TFQY01S	TFQY01P	TFQY013	

Espresso Unit

Mark #   **868**

MANUFACTURER Verismo

MODEL #   701

FEATURES   - With Everpure water filter, Mark 866.

ELECTRICAL

CONNECTION SR	**VOLTS** 208	**PHASE** 1	**AMPS** 30.0
KW	**HP**	**ROUGH-IN HEIGHT** +48"	
ROUGH-IN COMMENTS			

PLUMBING

HW	**CW** 1/2", +12"	**WASTE** IW, 1", to FFD
ROUGH-IN COMMENTS Water through water filter		

GAS

GAS SIZE	**MBH**	**HEIGHT**
COMMENTS		

VENTILATION

CONNECTION TYPE	**CFM**	**STAT. PRESS.**
DUCT SIZE		**VENT HEIGHT**
COMMENTS		

Verismo® 701

ESPRESSO MACHINE

Verismo® 701

Loaded with advanced features, yet easy to operate, this espresso machine allows even beginners to create perfect espresso beverages quickly and easily. More important, it brings a consistent cup quality to the espresso tradition.

Features and Benefits

Volume
- Up to 300 drinks per day (or about forty 16 fl oz lattes per hour).*
- Produces an espresso shot in approximately 30 seconds, satisfying your customers' demands for quick service.
- Steams 32 fl oz of milk in one minute.

Convenient and Easy to Use
- Automated with simple push-button operation.
- Each espresso shot is freshly ground, tamped and poured, eliminating variables and giving you consistently high-quality beverages (no manual tamping or knockout box).
- Equipped with internal grinders (no external grinders needed).
- Includes two whole-bean hoppers for storing regular and decaffeinated coffees.
- Thermostatic steam wand automatically shuts off at a preset temperature, eliminating scalded milk and guaranteeing beverage quality.
- Digital display prompts user during operation and helps reduce training time and errors.

Increase Potential Profits, Control Labor Costs and Reduce Waste
- Reduces training and enables operator to perform multiple tasks simultaneously.
- Reduces mess and cleanup time.
- Single-portion grinding helps eliminate waste and ensures freshness.
- At 17 in wide, the Verismo® 701 is half the size of a traditional two-group machine, leaving additional counterspace for Starbucks marketing and merchandise.
- The Verismo® 701 is backed by Starbucks Foodservice quality on-site training and toll-free service support.

*Drink volume is based on the first-year warranty guidelines.

We Proudly Brew
STARBUCKS COFFEE

Verismo® 701
ESPRESSO MACHINE

Verismo® 701

Verismo® 701 Specs
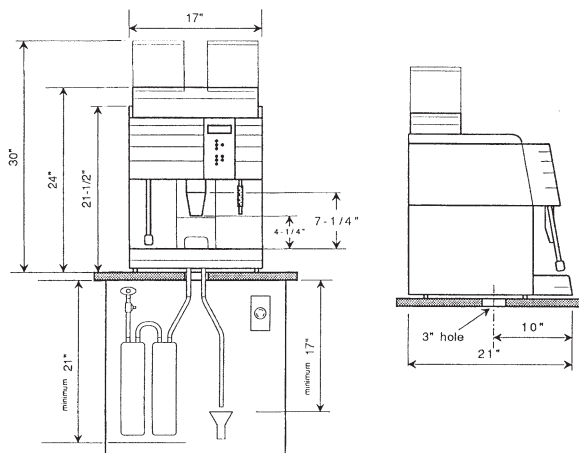
ELECTRICAL PLUG   L6-30P

Installation Requirements

Utilities
- ⅜ in water source with shutoff valve within 5 ft of espresso machine
- Shutoff must have ⅜ in female pipe outlet
- Drain must be available within 5 ft
- 20–50 PSI

Electrical
- Requires two-wire grounded service
- 220 volts; 30 amps
- (L1, L2, G)
- NEMA L6-30P receptacle required

Weight
- Shipping weight: 135 lb
- Installed weight (with water): 75 lb

Maintenance
- Push-button automatic cleaning takes minutes.
- Insert the cleaning tablet, and the machine automatically flushes all the internal components.
- Coffee grounds are contained in a special easy-to-clean bin.

Water System
Control of scale buildup in hard-water areas is a requirement of the Verismo® warranty program. Softened water will extend the life of any espresso equipment and reduce unscheduled maintenance. To simplify your selection, Starbucks can recommend a line of water softeners.

Verismo® 701 Features vs. Traditional Espresso Machines

	Verismo® 701 Espresso Machine	Traditional Espresso Machines
Grinders included	Yes	No
Automatic grind and dose	Yes	No
Thermostatically controlled steam wand	Yes	No
Estimated time to clean machine	10 minutes per day	20–30 minutes per day
Estimated operator training time	30 minutes or less	4 hours*

*Although training could be done in four hours, it may take up to two weeks to perfect drinks comparable to the Verismo® 701.

The Verismo® 701 espresso machine is ETL approved to UL® standards for electrical safety and NSF standards for sanitation.

For pricing, terms of warranty, installation and service, contact your Starbucks Foodservice representative.

Reach-In Freezer

MANUFACTURER True

MODEL # T-23F-HC

FEATURES - Verify door swing.
- Digital thermometer.
- Energy Star rated.

ELECTRICAL

CONNECTION DR	**VOLTS** 120	**PHASE** 1	**AMPS** 3.7
KW	**HP**	**ROUGH-IN HEIGHT** +86"	
ROUGH-IN COMMENTS			

PLUMBING

HW	**CW**	**WASTE**
ROUGH-IN COMMENTS		

GAS

GAS SIZE	**MBH**	**HEIGHT**
COMMENTS		

VENTILATION

CONNECTION TYPE	**CFM**	**STAT. PRESS.**
DUCT SIZE		**VENT HEIGHT**
COMMENTS		

TRUE FOOD SERVICE EQUIPMENT, INC.

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Parts Dept. (800)424-TRUE • Parts Dept. Fax# (636)272-9471 • www.truemfg.com

Project Name: _____

Location: _____

Item #: _____ Qty: _____

Model #: _____

AIA #

SIS #

Model:
T-23F-HC

T-Series:
Reach-In Solid Swing Door Freezer with Hydrocarbon Refrigerant

T-23F-HC

▶ True's solid door reach-in's are designed with enduring quality that protects your long term investment.

▶ Designed using the highest quality materials and components to provide the user with colder product temperatures, lower utility costs, exceptional food safety and the best value in today's food service marketplace.

▶ Extra large evaporator coil balanced with higher horsepower compressor and large condenser maintains -10°F (-23.3°C) cabinet temperatures. Ideally suited for both frozen foods and ice cream.

▶ Stainless steel solid door and front. The very finest stainless with higher tensile strength for fewer dents and scratches.

▶ Adjustable, heavy duty PVC coated shelves.

▶ Positive seal self-closing door. Lifetime guaranteed door hinges and torsion type closure system.

▶ Automatic defrost system time-initiated, temperature-terminated. Saves energy consumption and provides shortest possible defrost cycle.

Bottom mounted units feature:

▶ "No stoop" lower shelf.

▶ Storage on top of cabinet.

▶ Compressor performs in coolest, most grease free area of kitchen.

▶ Easily accessible condenser coil for cleaning.

ROUGH-IN DATA

Specifications subject to change without notice.
Chart dimensions rounded up to the nearest ⅛" (millimeters rounded up to next whole number).

Model	Doors	Shelves	Cabinet Dimensions (inches) (mm)			HP	Voltage	Amps	NEMA Config.	Cord Length (total ft.) (total m)	Crated Weight (lbs.) (kg)
			L	D	H*						
T-23F-HC	1	3	27	29½	78⅜	½	115/60/1	3.7	5-15P	9	295
			686	750	1991	½	230-240/50/1	1.9	▲	2.74	134

* Height does not include 5" (127 mm) for castors or 6" (153 mm) for optional legs.

▲ Plug type varies by country.

APPROVALS:

AVAILABLE AT:

6/17

Printed in U.S.A.

STANDARD FEATURES

DESIGN
- True's commitment to using the highest quality materials and oversized refrigeration systems provides the user with colder product temperatures, lower utility costs, exceptional food safety and the best value in today's food service marketplace.

REFRIGERATION SYSTEM
- Factory engineered, self-contained, capillary tube system using environmentally friendly R290 hydro carbon refrigerant that has zero (0) ozone depletion potential (ODP), & three (3) global warming potential (GWP).
- Extra large evaporator coil balanced with higher horsepower compressor and large condenser; maintains -10°F (-23.3°C). Ideally suited for both frozen foods and ice cream.
- State of the art, electronically commutated evaporator and condenser fan motors. ECM motors operate at higher peak efficiencies and move a more consistent volume of air which produces less heat, reduces energy consumption and provides greater motor reliability.
- Bottom mounted condensing unit positioned for easy cleaning. Compressor runs in coolest and most grease free area of the kitchen. Allows for storage area on top of unit.
- Automatic defrost system time-initiated, temperature-terminated. Saves energy consumption and provides shortest possible defrost cycle.

CABINET CONSTRUCTION
- Exterior - Stainless steel front. Anodized quality aluminum ends. Corrosion resistant GalFan coated steel back.

- Interior - attractive, NSF approved, clear coated aluminum liner. Stainless steel floor with coved corners.
- Insulation - entire cabinet structure and solid door are foamed-in-place using a high density, polyurethane insulation that has zero ozone depletion potential (ODP) and zero global warming potential (GWP).
- Welded, heavy duty steel frame rail, black powder coated for corrosion protection.
- Frame rail fitted with 4" (102 mm) diameter stem castors - locks provided on front set.

DOOR
- Stainless steel exterior with clear aluminum liner to match cabinet interior. Door extend full width of cabinet shell. Door lock standard.
- Lifetime guaranteed recessed door handle. Door fitted with 12" (305 mm) long recessed handle that is foamed-in-place with a sheet metal interlock to ensure permanent attachment.
- Positive seal self-closing door. Lifetime guaranteed door hinges and torsion type closure system.
- Magnetic door gasket of one piece construction, removable without tools for ease of cleaning.

SHELVING
- Three (3) adjustable, heavy duty PVC coated wire shelves 22 7/8"L x 23 1/4"D (582 mm x 591 mm). Four (4) chrome plated shelf clips included per shelf.
- Shelf support pilasters made of same material as cabinet interior; shelves are adjustable on 1/2" (13 mm) increments.

LIGHTING
- Interior lighting - safety shielded. Lights activated by rocker switch mounted above door.

MODEL FEATURES
- Exterior temperature display.
- Evaporator is epoxy coated to eliminate the potential of corrosion.
- Rear airflow guards prevent product from blocking optimal airflow.
- NSF/ANSI Standard 7 compliant for open food product.

ELECTRICAL
- Unit completely pre-wired at factory and ready for final connection to a 115/60/1 phase, 15 amp dedicated outlet. Cord and plug set included.
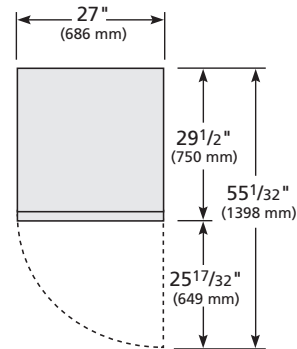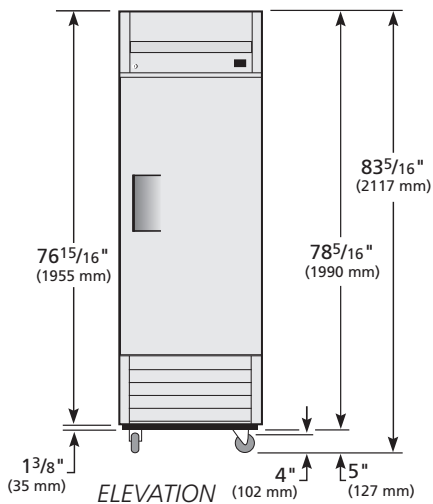
115/60/1
NEMA-5-15R

OPTIONAL FEATURES/ACCESSORIES
Upcharge and lead times may apply.
- ❏ 230 - 240V / 50 Hz.
- ❏ 6" (153 mm) standard legs.
- ❏ 6" (153 mm) seismic/flanged legs.
- ❏ Alternate door hinging (factory installed).
- ❏ Novelty baskets.
- ❏ Additional shelves.
- ❏ Half door bun tray racks. Each holds up to eleven 18"L x 26"D (458 mm x 661 mm) sheet pans (sold separately) (airflow guards need to be removed).
- ❏ Full door bun tray rack. Holds up to twenty-two 18"L x 26"D (458 mm x 661 mm) sheet pans (sold separately) (airflow guards need to be removed).

PLAN VIEW

83⁵/₁₆" (2117 mm)
76¹⁵/₁₆" (1955 mm)
78⁵/₁₆" (1990 mm)
1³/₈" (35 mm)
4" (102 mm)
5" (127 mm)
ELEVATION

27" (686 mm)
29¹/₂" (750 mm)
55¹/₃₂" (1398 mm)
25¹⁷/₃₂" (649 mm)
PLAN VIEW

METRIC DIMENSIONS ROUNDED UP TO THE NEAREST WHOLE MILLIMETER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

Model	Elevation	Right	Plan	3D	Back
T-23F-HC	TFEY53E	TFEY03S	TFEY03P	TFEY633	

Heat Lamp

MANUFACTURER Hatco

MODEL #   UGAH-30

FEATURES   - Mount to bottom of lower shelf at pass-thru.

ELECTRICAL

CONNECTION JB	**VOLTS** 120	**PHASE** 1	**AMPS** 9.4
KW	**HP**	**ROUGH-IN HEIGHT** +60"	
ROUGH-IN COMMENTS			

PLUMBING

HW	**CW**	**WASTE**
ROUGH-IN COMMENTS		

GAS

GAS SIZE	**MBH**	**HEIGHT**
COMMENTS		

VENTILATION

CONNECTION TYPE	**CFM**	**STAT. PRESS.**
DUCT SIZE		**VENT HEIGHT**
COMMENTS		

Ultra-Glo® Ceramic Infrared Strip Heaters

Models:

UGA-18, -24, -30, -36, -42, -48, -54, -60, -66, -72
UGAH-18, -24, -30, -36, -42, -48, -54, -60, -66, -72
UGAL-18, -24, -30, -36, -42, -48, -54, -60, -66, -72
UGAHL-18, -24, -30, -36, -42, -48, -54, -60, -66, -72

Hatco Ultra-Glo® Ceramic Strip Heaters provide the ultimate holding power. Increased height improves working clearances and the heat zone blankets the entire holding area. All models include adjustable angle brackets for mounting. Dual mounted strip heaters accommodate wider food holding areas.

UGAHL-36 with attached control box

UGA(H)-18 requires remote control box (not shown)

Standard features

- Increased height provided with a ceramic heat source improves operational working clearances

- Adaptable to any location and configuration, including back- or front-of-the-house use, open kitchen concepts, or buffet lines

- Sturdy continuous extruded aluminum housings eliminate sagging

- Pre-focused heat pattern provides an increased pyramidal dimension, concentrating heat at the edges where heat loss is the greatest

- Available in widths from 18" to 72" (457 to 1829 mm), with or without lights

- Choice between Remote or Attached Control Enclosure with toggle switch, indicator light and wiring

- All models include adjustable angle brackets for mounting and leads with 3' (914 mm) conduit whip
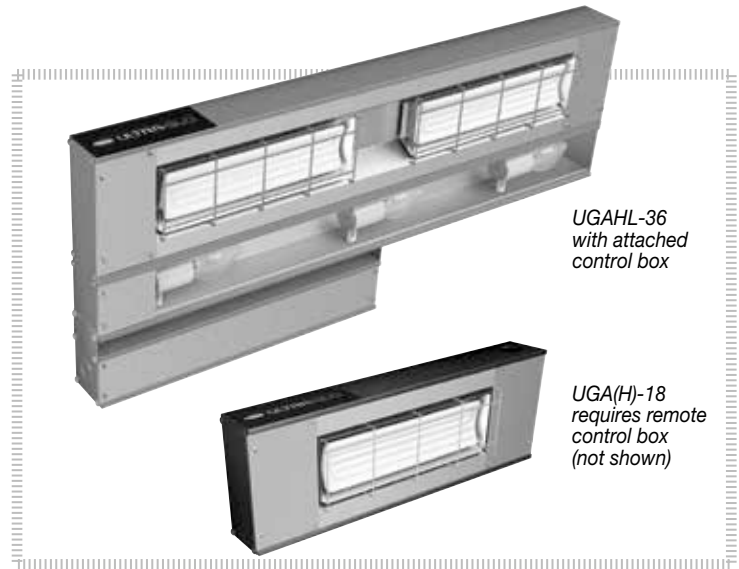
Options (available at time of purchase only)

Housing
☐ 6" (153 mm) UGA, UGAH models   ☐ 9" (229 mm) UGAL, UGAHL models

Designer Color or Gloss finish for Housing – choose below – Non -standard colors are non-returnable – Clear anodized aluminum finish standard
☐ Warm Red   ☐ Black   ☐ Gray Granite   ☐ White Granite
☐ Navy Blue   ☐ Hunter Green   ☐ Radiant Red   ☐ Glossy Gray
☐ Bold Black   ☐ Gleaming Gold   ☐ Brilliant Blue

☐ Halogen Bulb in lieu of Standard Display Light (60 watt) (Not available for Export models)

☐ Extra Lamps – Installed (max. two per 12" (305 mm) less one) – one per 12" (305 mm) is standard

☐ Non-Adjustable Tubular Stands – Clear anodized aluminum finish standard
☐ 14" (356 mm)   ☐ 16" (406 mm)   ☐ 18" (457 mm)
☐ 20" (508 mm)   ☐ 22" (559 mm)
   Optional *Designer* Color or Gloss Finish
   Non -standard colors are non-returnable
   ☐ Warm Red   ☐ Black   ☐ Gray Granite   ☐ White Granite
   ☐ Navy Blue   ☐ Hunter Green   ☐ Radiant Red   ☐ Glossy Gray
   ☐ Bold Black   ☐ Gleaming Gold   ☐ Brilliant Blue

Leads – Extended beyond Standard 3' (914 mm) Conduit (specify lead length)
☐ 1'-5' (305-1525 mm)   ☐ 6'-10' (1829-3048 mm)
☐ 11'-15' (3352-4572 mm)   ☐ 16'-20' (4877-6096 mm)

Remote Box –
☐ Remote Control Enclosure with Toggle Control and Indicator (in lieu of attached control box) –,Clear Anodized Aluminum finish standard
   Optional *Designer* Color or Gloss Finish for choosen Remote Box
   Non-standard colors are non-returnable
   ☐ Warm Red   ☐ Black   ☐ Gray Granite   ☐ White Granite
   ☐ Navy Blue   ☐ Hunter Green   ☐ Radiant Red   ☐ Glossy Gray
   ☐ Bold Black   ☐ Gleaming Gold   ☐ Brilliant Blue

☐ Remote Control Enclosure with Toggle Switch, Electronic Infinite Control, Relay, and Indicator Light (in lieu of attached control box) – Clear Anodized Aluminum finish standard
   Optional *Designer* Color or Gloss Finish for choosen Remote Box
   Non-standard colors are non-returnable
   ☐ Warm Red   ☐ Black   ☐ Gray Granite   ☐ White Granite
   ☐ Navy Blue   ☐ Hunter Green   ☐ Radiant Red   ☐ Glossy Gray
   ☐ Bold Black   ☐ Gleaming Gold   ☐ Brilliant Blue

cULus applies to 120, 120/208 and 120/240 volt models only

MADE IN THE USA

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(800) 558-0607 | (414) 671-6350 | www.hatcocorp.com | equipsales@hatcocorp.com | intlsales@hatcocorp.com

Form No. UGA Spec Sheet   page 1 of 3   July 2016
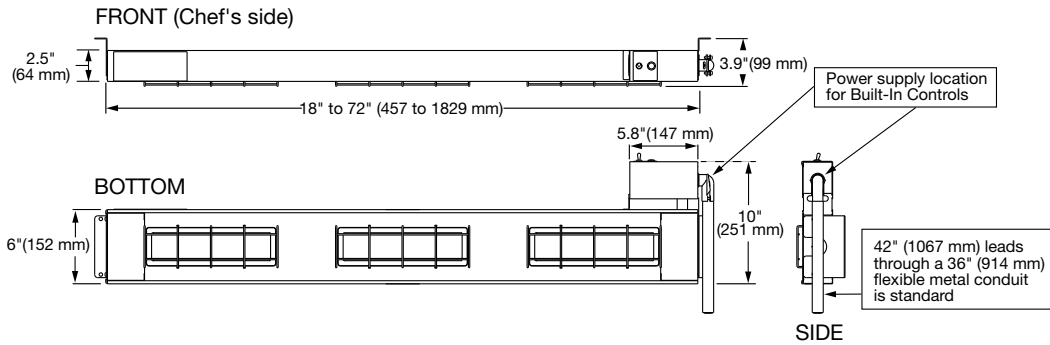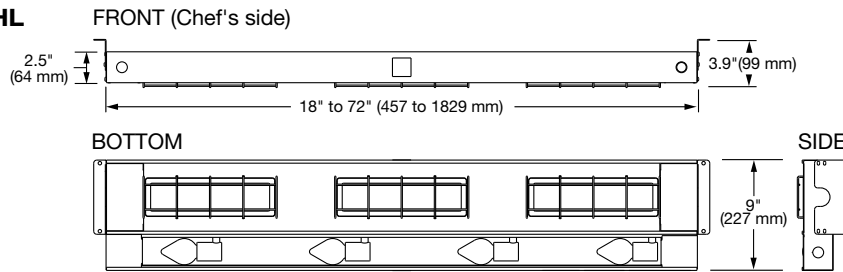
Ultra-Glo® Ceramic Infrared Strip Heaters

Models: UGA(L)-18, -24, -30, -36, -42, -48, -54, -60, -66, -72
UGAH(L)-18, -24, -30, -36, -42, -48, -54, -60, -66, -72

UGA and UGAH

FRONT (Chef's side)

2.5" (64 mm)   3.9"(99 mm)

18" to 72" (457 to 1829 mm)

Power supply location for Built-In Controls

5.8"(147 mm)

BOTTOM

6"(152 mm)

10" (251 mm)

SIDE

42" (1067 mm) leads through a 36" (914 mm) flexible metal conduit is standard

UGAL and UGAHL

FRONT (Chef's side)

2.5" (64 mm)   3.9"(99 mm)

18" to 72" (457 to 1829 mm)

BOTTOM   SIDE

9" (227 mm)

SPECIFICATIONS - Ultra-Glo® Ceramic Infrared Strip Heaters

Dimensions: 18" - 72" W x 6" D x 2.5" H (457-1829 x 152 x 64 mm) **Phase:** All Single Phase

The shaded areas contain electrical information for International models

Standard Watt				High Watt				Both	
Model	Volts	Watts	Amps	Model	Volts	Watts	Amps	Width	Ship Weight*
UGA-18	120	500	4.2	UGAH-18	120	650	5.4	18" (457 mm)	9 lbs. (4 kg.)
	208	490	2.4		208	675	3.2		
	240	500	2.1		240	650	2.7		
	220	546	2.5		220	630	2.9		
UGA-24	120	650	5.4	UGAH-24	120		6.3	24" (610 mm)	10 lbs. (5 kg.)
	208	675	3.2		208	750	3.6		
	240	650	2.7		240		3.1		
	220	630	2.9		220	756	3.4		
UGA-30	120	750	6.3	UGAH-30	120		9.4	30"(762 mm)	11 lbs. (5 kg.)
	208	840	4.0		208	1125	5.4		
	240	900	3.8		240		4.7		
	220	756	3.4		220	945	4.3		
UGA-36	120	1000	8.3	UGAH-36	120	1300	10.8	36" (914 mm)	12 lbs. (5 kg.)
	208	980	4.7		208	1350	6.5		
	240	1000	4.2		240	1300	5.4		
	220	630	2.9		220	840	3.8		
UGA-42	120	1200	10.0	UGAH-42	120		12.5	42"(1067 mm)	13 lbs. (6 kg.)
	208	1120	5.4		208	1500	7.2		
	240	1200	5.0		240		6.3		
	220	1008	4.6		220	1260	5.7		
UGA-48	120	1500	12.5	UGAH-48	–	–	–	48" (1219 mm)	14 lbs. (6 kg.)
	208	1470	7.1		208	2025	9.7		
	240	1500	6.3		240	1950	8.1		
	220	1638	7.4		220	1890	8.6		
UGA-54	208	1470	7.1	UGAH-54	208	2250	10.8	54"(1372 mm)	16 lbs. (7 kg.)
	240		6.1		240		9.4		
	220	1638	7.4		220	1891	8.6		
UGA-60	208	1960	9.4	UGAH-60	208	2700	13.0	60" (1524 mm)	17 lbs. (8 kg.)
	240	2000	8.3		240	2600	10.8		
	220	2185	9.9		220	2520	11.5		
UGA-66	208	1960	9.4	UGAH-66	208	2700	13.0	66" (1676 mm)	19 lbs. (9 kg.)
	240	2000	8.3		240	2600	10.8		
	220	2185	9.9		220	2520	11.5		
UGA-72	208	1960	9.4	UGAH-72	208	3000	14.4	72" (1829 mm)	20 lbs. (9 kg.)
	240	2000	8.3		240		12.5		
	220	2520	11.5		220	3025	13.8		

* Add 2-8 lbs. (1-3 kg.) to shipping weight depending on size of remote control enclosure

Ultra-Glo® Ceramic Infrared Strip Heaters

Models: UGA(L)-18, -24, -30, -36, -42, -48, -54, -60, -66, -72
UGAH(L)-18, -24, -30, -36, -42, -48, -54, -60, -66, -72

SPECIFICATIONS – Ultra-Glo® Ceramic Infrared Strip Heaters with Lights
Dimensions: 18" - 72" W x 9"D x 2.5" H (457-1829 x 227 x 64 mm) **Phase:** All Single Phase

The shaded areas contain electrical information for International models

Standard Watt				High Watt				Both	
Model	Volts	Watts	Amps	Model	Volts	Watts	Amps	Width	Ship Weight*
UGAL-18	120	560	4.7	UGAHL-18	120	710	5.9	18" (457 mm)	12 lbs. (5 kg.)
	120/208	550	2.9		120/208	735	3.7		
	120/240	560	2.6		120/240	710	3.2		
	220	596	2.7		220	680	3.1		
	240	560	2.3		240	710	3.0		
UGAL-24	120	770	6.4	UGAHL-24	120		7.3	24" (610 mm)	13 lbs. (6 kg.)
	120/208	795	4.2		120/208	870	4.6		
	120/240	770	3.7		120/240		4.1		
	220	730	3.3		220	856	3.9		
	240	770	3.2		240	870	3.6		
UGAL-30	120	1020	8.5	UGAHL-30	120		10.4	30"(762 mm)z	15 lbs. (7 kg.)
	120/208	960	5.0		120/208	1245	6.4		
	120/240	1020	4.8		120/240		5.7		
	220	856	3.9		220	1045	4.8		
	240	1020	4.3		240	1245	5.2		
UGAL-36	120	1180	9.8	UGAHL-36	120	1480	12.3	36" (914 mm)	17 lbs. (8 kg.)
	120/208	1160	6.2		120/208	1530	8.0		
	120/240	1180	5.7		120/240	1480	6.9		
	220	780	3.5		220	990	4.5		
	240	1180	4.9		240	1480	6.2		
UGAL-42	120	1380	11.5	UGAHL-42	120		14.0	42"(1067 mm)	18 lbs. (8 kg.)
	120/208	1300	6.9		120/208	1680	8.7		
	120/240	1380	6.5		120/240		7.5		
	220	1158	5.3		220	1410	6.4		
	240	1380	5.8		240	1680	7.0		
UGAL-48	120	1740	14.5	UGAHL-48	120	–	–	48" (1219 mm)	20 lbs. (9 kg.)
	120/208	1710	9.1		120/208	2265	11.7		
	120/240	1740	8.3		120/240	2190	10.1		
	220	1838	8.4		220	2090	9.5		
	240	1740	7.3		240	2190	9.1		
UGAL-54	120/208	1710	9.1	UGAHL-54	120/208		12.8	54"(1372 mm)	22 lbs. (10 kg.)
	120/240	1740	8.1		120/240	2490	11.4		
	220	1838	8.4		220	2090	9.5		
	240	1740	7.3		240	2490	10.4		
UGAL-60	120/208	2260	11.9	UGAHL-60	120/208	3000	15.5	60" (1524 mm)	23 lbs. (10 kg.)
	120/240	2300	10.8		120/240	2900	13.3		
	220	2434	11.1		220	2770	12.6		
	240	2300	9.6		240	2900	12.1		
UGAL-66	120/208	2260	11.9	UGAHL-66	120/208	3000	15.5	66" (1676 mm)	25 lbs. (11 kg.)
	120/240	2300	10.8		120/240	2900	13.3		
	220	2434	11.1		220	2770	12.6		
	240	2300	9.6		240	2900	12.1		
UGAL-72	120/208	2320	12.4	UGAHL-72	120/208 unit† 208 (circuit 1) 120 (circuit 2)	3000 360	14.4 3.0	72" (1829 mm)	27 lbs. (12 kg.)
	120/240	2360	11.3		120/240	3360	15.5		
	220	2820	12.8		220	3324	15.1		
	240	2360	9.8		240	3360	14.0		

* Add 2-8 lbs. (1-3 kg.) to shipping weight depending on size of remote control enclosure. † Unit with multiple circuit connections. Each circuit may require a separate circuit breaker.
NOTE: UGAHL models that have multiple voltages listed such as 120/208 or 120/240, have multiple internal circuits. For example, a 120/208V utilizes 120V for the light circuit and 208 volts for the heat circuit(s).

Mounting Requirements

Do not install Ultra-Glo® stripheaters above or around combustible surfaces. Discoloration or combustion could occur. Ultra-Glo strip heaters must be installed in non-combustable surroundings only.

Ultra-Glo® Warmers must be mounted at least 1" (25 mm) below shelf, and 3" (76 mm) from back wall.

Ultra-Glo® Standard Watt Warmers should be positioned 14" to 18" (356-457 mm) above a non-combustable surface.

Ultra-Glo® High Watt Warmers should be positioned 16" to 22" (406-559 mm) above a non-combustable surface.

Dimensions

Models with Remote Control Enclosure, Toggle and Indicator Light:
18"-72"W x 6"D▲ x 2.5"H (457-1829 x 152▲ x 64 mm).

Models with Attached Control Box Toggle and Indicator Light::
18"-72"W x 9.88"D▲ x 2.5"H (457-1829 x 251▲ x 64 mm).

Remote Control Enclosure:
5.5", 9", 14", 16", or 20"W x 3"D x 2.5"H (140, 229, 356, 406, or 508 x 76 x 64 mm).

▲ Add 3" (76 mm) to depth when ordering units with lights.

PRODUCT SPECS – Ultra-Glo® Ceramic Infrared Strip Heaters

The Ceramic Infrared Strip Heater shall be an Ultra-Glo®, manufactured by the Hatco Corporation, Milwaukee, WI 53234 U.S.A.

The Foodwarmer shall be an Ultra-Glo Model ... , rated at ... watts, ... volts, single phase and be ... inches (millimeters) in overall width.

The Ultra-Glo® shall consist of an aluminum housing, ceramic heating element, and angle brackets for mounting. Remote Control Enclosure is recommended. Mounting heights between 14" to 18" (356-457 mm) single standard (low) watt, 16" to 22" (406-559 mm) single high watt.

24/7 parts and service assistance (U.S. and Canada only)

Spare Numbers

MANUFACTURER

MODEL #

FEATURES

ELECTRICAL

CONNECTION	VOLTS	PHASE	AMPS
KW	HP	ROUGH-IN HEIGHT	
ROUGH-IN COMMENTS			

PLUMBING

HW	CW	WASTE
ROUGH-IN COMMENTS		

GAS

GAS SIZE	MBH	HEIGHT
COMMENTS		

VENTILATION

CONNECTION TYPE	CFM	STAT. PRESS.
DUCT SIZE		VENT HEIGHT
COMMENTS		

Glass Door Refrigerator

MANUFACTURER True

MODEL # GDM-30-HC-LD

FEATURES
- Black exterior finish.
- Shiny aluminum door trim and handle.
- Stainless steel front grill cover.
- 6" legs.
- Fluorescent interior lights.
- Coordinate surrounding millwork for proper air circulation.

ELECTRICAL

CONNECTION	DR	VOLTS	120	PHASE	1	AMPS	4.0
KW		HP		ROUGH-IN HEIGHT	+48"		
ROUGH-IN COMMENTS							

PLUMBING

HW	CW	WASTE
ROUGH-IN COMMENTS		

GAS

GAS SIZE	MBH	HEIGHT
COMMENTS		

VENTILATION

CONNECTION TYPE	CFM	STAT. PRESS.
DUCT SIZE		VENT HEIGHT
COMMENTS		

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Parts Dept. (800)424-TRUE • Parts Dept. Fax# (636)272-9471 • www.truemfg.com

Project Name: _____

Location: _____

Item #: _____ Qty: _____

Model #: _____

AIA #

SIS #

Model:
GDM-30-HC-LD

Glass Door Merchandiser:
Swing Door Refrigerator with Hydrocarbon Refrigerant and LED Lighting

GDM-30-HC-LD

▶ The world's #1 manufacturer of glass door merchandisers.

▶ Four (4) adjustable, heavy duty PVC coated wire shelves. Four (4) chrome plated shelf clips included per shelf.

▶ Factory engineered, self-contained, capillary tube system using environmentally friendly R290 hydrocarbon refrigerant that has zero (0) ozone depletion potential (ODP), & three (3) global warming potential (GWP).

▶ High capacity, factory balanced refrigeration system that maintains cabinet temperatures of 33°F to 38°F (.5°C to 3.3°C) for the best in food preservation.

▶ Exterior - non-peel or chip black laminated vinyl; durable and permanent.

▶ Interior - attractive, NSF approved, white aluminum interior liner with stainless steel floor.

▶ Self closing doors. Positive seal, torsion type closure system.

▶ "Low-E", double pane thermal insulated glass door assemblies with extruded aluminum frames. The latest in energy efficient technology.

▶ Frame rail fitted with leg levelers and rollers.

▶ LED interior lighting provides more even lighting throughout the cabinet.

▶ Entire cabinet structure is foamed-in-place using a high density, polyurethane insulation that has zero ozone depletion potential (ODP) and zero global warming potential (GWP).

Bottom mounted units feature

▶ "No stoop" lower shelf to maximize product visibility.

▶ Storage on top of cabinet.

▶ Easily accessible condenser coil for cleaning.

ROUGH-IN DATA

Specifications subject to change without notice.
Chart dimensions rounded up to the nearest ⅛" (millimeters rounded up to next whole number).

Model	Doors	Shelves	Cabinet Dimensions (inches) (mm)			HP	Voltage	Amps	NEMA Config.	Cord Length (total ft.) (total m)	Crated Weight (lbs.) (kg)
			W	D†	H						
GDM-30-HC-LD	2	4	30⅞	23½	55⅛	¼	115/60/1	4.0	5-15P	9	250
			784	597	1400	N/A		N/A		2.74	114

† Depth does not include 1½" (39 mm) for door handles.
† Depth does not include 1" (26 mm) for rear bumpers.

APPROVALS:

AVAILABLE AT:

3/17

Printed in U.S.A.

STANDARD FEATURES

DESIGN

- True's commitment to using the highest quality materials and oversized refrigeration systems provides the user with colder product temperatures, and lower utility costs in an attractive merchandiser that brilliantly displays packaged food and beverages.

REFRIGERATION SYSTEM

- Factory engineered, self-contained, capillary tube system using environmentally friendly R290 hydrocarbon refrigerant that has zero (0) ozone depletion potential (ODP), & three (3) global warming potential (GWP).
- State of the art, electronically commutated evaporator and condenser fan motors. ECM motors operate at higher peak efficiencies and move a more consistent volume of air which produces less heat, reduces energy consumption and provides greater motor reliability.
- Bottom mounted condensing unit positioned for easy maintenance. "No stoop" lower shelf maximizes visibility by raising merchandised product to higher level.

CABINET CONSTRUCTION

- Exterior - non-peel or chip black laminated vinyl; durable and permanent.
- Interior - attractive, NSF approved, white aluminum liner with stainless steel floor.
- Insulation - entire cabinet structure is foamed-in-place using a high density, polyurethane insulation that has zero ozone depletion potential (ODP) and zero global warming potential (GWP).
- Welded, heavy duty steel frame rail, black powder coated for corrosion protection.
- Frame rail fitted with leg levelers and rollers.

DOORS

- "Low-E", double pane thermal insulated glass door assemblies with mitered aluminum channel frames.
- Each door fitted with 12" (305 mm) long extruded handle.
- Self closing double swing door French gaskets allows access to the full shelf length when doors are open.
- Magnetic door gaskets of one piece construction, removable without tools for ease of cleaning.

SHELVING

- Four (4) adjustable, heavy duty PVC coated wire shelves 26 9/16"L x 17 1/2"D (675 mm x 445 mm). Four (4) chrome plated shelf clips included per shelf.
- Shelf support pilasters made of same material as cabinet interior; shelves are adjustable on 1/2" (13 mm) increments.

LIGHTING

- LED interior lighting provides more even lighting throughout the cabinet.

MODEL FEATURES

- Evaporator is epoxy coated to eliminate the potential of corrosion.
- See our website www.truemfg.com for latest color and sign offerings.
- Listed under NSF/ANSI Standard 7 for the storage and/or display of packaged or bottled product.

ELECTRICAL

- Unit completely pre-wired at factory and ready for final connection to a 115/60/1 phase, 15 amp dedicated outlet. Cord and plug set included.
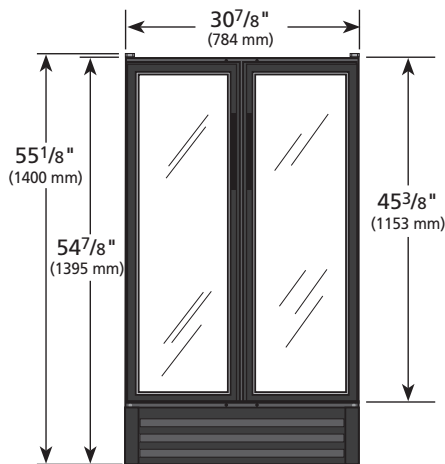
115/60/1
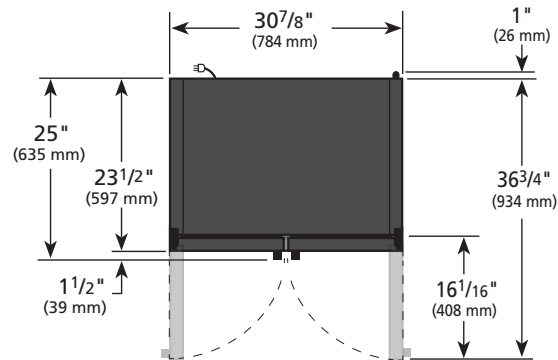NEMA-5-15R

OPTIONAL FEATURES/ACCESSORIES

Upcharge and lead times may apply.
❑ True Flex-Pac®
❑ Additional shelves

PLAN VIEW

ELEVATION

PLAN VIEW

METRIC DIMENSIONS ROUNDED UP TO THE NEAREST WHOLE MILLIMETER

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

	Model	Elevation	Right	Plan	3D	Back
KCL	GDM-30-HC-LD					

Glass Door Freezer

Mark # **877**

MANUFACTURER Excellence

MODEL # CTF-3

FEATURES - Countertop merchandiser.
- Verify door swing with plan
- Provide with security lock.
- Coordinate with millwork surround.

ELECTRICAL

CONNECTION DR	**VOLTS** 120	**PHASE** 1	**AMPS** 3.6
KW	**HP**	**ROUGH-IN HEIGHT** +12"	
ROUGH-IN COMMENTS			

PLUMBING

HW	**CW**	**WASTE**
ROUGH-IN COMMENTS		

GAS

GAS SIZE	**MBH**	**HEIGHT**
COMMENTS		

VENTILATION

CONNECTION TYPE	**CFM**	**STAT. PRESS.**
DUCT SIZE		**VENT HEIGHT**
COMMENTS		

CTF

Countertop Freezer

CTF3
(Shown with optional light
emitting door)

Excellence Industries

Profit from the Power of Partnership.

800.441.4014

CTF Countertop Freezer

CTF2

CTF3

Shown with opt. light emitting door

CTF3

Technical Summary

Model	Size				Electrical			Refrigeration		Other		
	Dimensions (inches) Length x Depth x Height	Cubic Feet	Net Weight (lbs.)	Shipping Weight (lbs.)	Voltage/Hz/Phase	Running Amps	KWh/24hr	Compressor HP	Refrigerant	Temperature	No. of Shelves	Container Quantity
CTF-2	22 1/2 x 20 3/4 x 21 1/4	1.8	88	99	115/60/1	2.1	1.3	1/4	R-134a	0° to -10°F	2	304
CTF-3	24 x 21 x 25 1/4	3.2	108	119	115/60/1	3.6	3.4	2/5	R-134a	0° to -10°F	3	171

SPECIAL FEATURES

- Interior LED light for clear product display
- Fully insulated glass door
- Three adjustable shelves - CTF-3
- Two adjustable shelves - CTF-2
- Standard door lock
- Standard right hinge self-closing door
- Optional light emitting door (Minimum quantities apply)

CTF Internal Dimensions
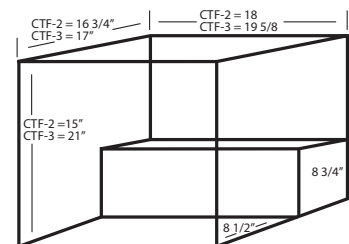
CTF-2 = 16 3/4"
CTF-3 = 17"
CTF-2 = 18
CTF-3 = 19 5/8
CTF-2 = 15"
CTF-3 = 21"
8 3/4"
8 1/2"

ETL LISTED c us
ETL LISTED us
INTERTEK

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Innovation
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500 S. Falkenburg Road Suite 200 | Tampa, FL 33619 | **800.441.4014**

www.excellenceindustries.com

Water Filler and Drain

MANUFACTURER T&S

MODEL #   EC-3100/BR-1231

FEATURES   - Mount in counter where shown on plan.

ELECTRICAL

CONNECTION	VOLTS	PHASE	AMPS
KW	HP	ROUGH-IN HEIGHT	
ROUGH-IN COMMENTS			

PLUMBING

HW	CW	1/2", +12"	WASTE	IW, 1-1/2", to FS
ROUGH-IN COMMENTS				

GAS

GAS SIZE	MBH	HEIGHT
COMMENTS		

VENTILATION

CONNECTION TYPE	CFM	STAT. PRESS.
DUCT SIZE	VENT HEIGHT	
COMMENTS		

T&S BRASS AND BRONZE WORKS, INC.
2 Saddleback Cove / P.O. Box 1088
Travelers Rest, SC 29690

Model No.
EC-3100

Item No.

Travelers Rest, SC: 800-476-4103 • Simi Valley, CA: 800-423-0150 • Fax: 864-834-3518 • www.tsbrass.com

ADA Compliant
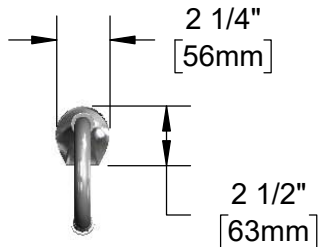
ChekPoint™

This Space for Architect/Engineer Approval

Job Name_____Date_____

Model Specified_____ Quantity_____

Customer/Wholesaler_____

Contractor_____

Architect/Engineer_____

2 1/4"
[56mm]

2 1/2"
[63mm]

3 5/8" x 4 3/16" x 2" Deep
[92mm x 106mm x 51mm]
Water Resistant Control Module Box (Blue)
w/ Internal Flow Control Setting Switches,
AC or DC Operated w/ (4) AA Batteries.
Hardwire Capable using Terminals on Back
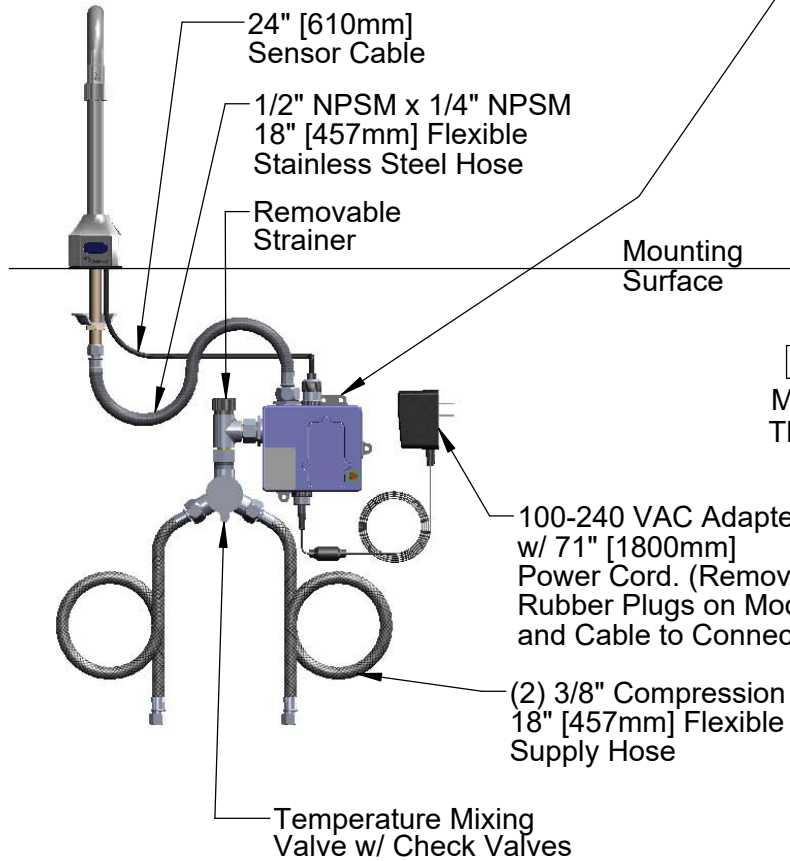
24" [610mm]
Sensor Cable

1/2" NPSM x 1/4" NPSM
18" [457mm] Flexible
Stainless Steel Hose

Removable
Strainer

Mounting
Surface

100-240 VAC Adapter
w/ 71" [1800mm]
Power Cord. (Remove
Rubber Plugs on Module
and Cable to Connect)

(2) 3/8" Compression x 1/2" NPSM
18" [457mm] Flexible Stainless Steel
Supply Hose

Temperature Mixing
Valve w/ Check Valves

Rigid Gooseneck
w/ 2.2 GPM [8.3 L/min]
Vandal Resistant Aerator
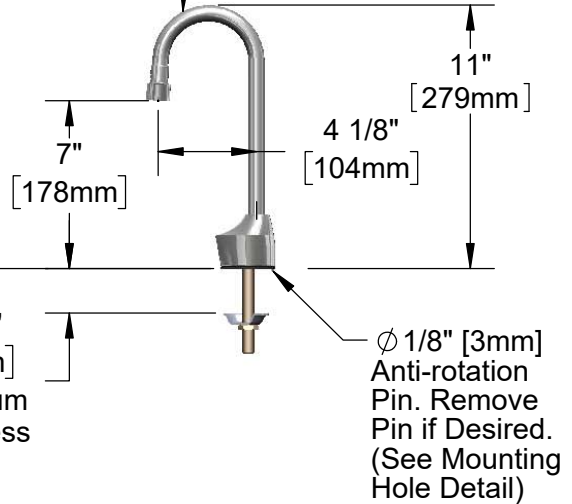
11"
[279mm]

4 1/8"
[104mm]

7"
[178mm]

2 1/4"
[57mm]
Maximum
Thickness

Ø 1/8" [3mm]
Anti-rotation
Pin. Remove
Pin if Desired.
(See Mounting
Hole Detail)

Mounting Hole
Detail

Ø 1" [25mm]

1"
[25mm]

Ø 5/32" [4mm]
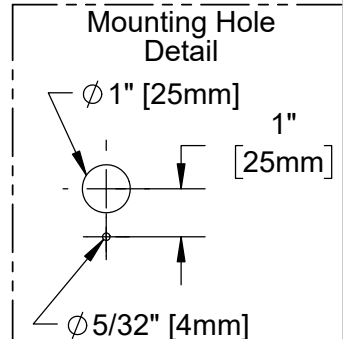
Product Specifications:
Chrome Plated Brass Electronic Faucet: Deck Mount Rigid Gooseneck w/ VR
Aerator, AC/DC Control Module with Internal Flow Control Setting Switches,
Temperature Control Mixing Valve w/ Check Valves, 18" Hot & Cold Supply
Stop Flexible Connector Hoses

Product Compliance:
ASME A112.18.1 / CSA B125.1
NSF 61 - Section 9
NSF 372 (Low Lead Content)
ANSI A117.1 (ADA)
UL 1951

| Drawn: | KJG | Checked: | GEF | Approved: | JHB | Date: | 08/26/16 | Scale: | 1:6 | Sheet: 1 of 2 |

T&S BRASS AND BRONZE WORKS, INC.
2 Saddleback Cove / P.O. Box 1088
Travelers Rest, SC 29690

Model No.

EC-3100

Item No.

Travelers Rest, SC: 800-476-4103 • Simi Valley, CA: 800-423-0150 • Fax: 864-834-3518 • www.tsbrass.com

ITEM NO.	SALES NO.	DESCRIPTION
1	B-0199-06	VR Aerator w/ Key
2	044A	3/8" to Aerator Adapter
3	006575-45	O-Ring
4	017195-45	Angled Sensor w/ Cable
5	016297-45	Inlet Hose, Faucet, 1/2" NPSM-F x 1/4" NPSM-F
6	5EF-0006	Mechanical Mixing Valve
7	5EF-0005	Supply Hose, 9/16-24 Female x 1/2" NPSM
8	015425-45	Vandal Resistant Key
9	016647-45	ChekPoint Module (Blue)
10	5EF-0002	A/C Transformer
11	EC-FILTER	Replacement Filter
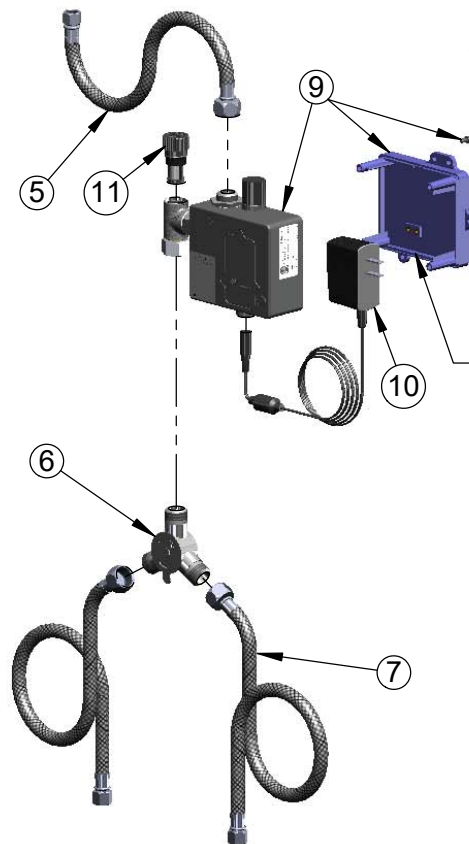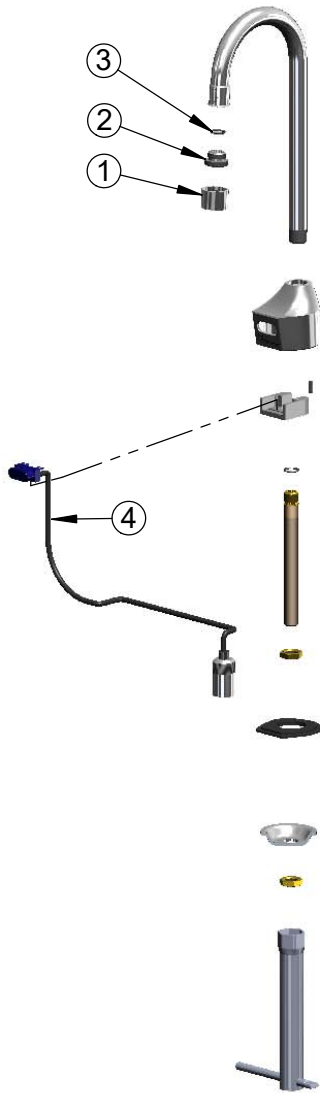
A Maximum of (8) ChekPoint Faucets can be Hardwire Connected and Powered by EC-HARDWIRE ChekPoint Hardwire AC Transformer. (Sold Separately)
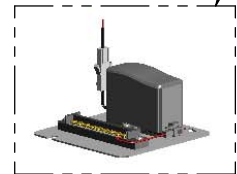
Label for Flow Control Switch Settings is Located on Inside of Back Cover.

Flow Control Switches are Located Inside Module Housing in Black Box Next to Battery Compartment.
*Switches are Set to DEFAULT Position:
- Auto Time Out = 15 Seconds
- Shut Off Delay = 1 Second
- Auto Flush = OFF

Remove (4) Screws and Back Cover to Access Switches.

*Available Water Flow Control Selections:
- Auto Time Out: 15 sec, 30 sec, 45 sec, 60 sec, 3 min, 20 min
- Shut Off Delay: 1 sec, 10 sec, 15 sec, 30 sec
- Auto Flush (30 Seconds After Every 12 Inactive Hours): ON or OFF

Product Specifications:	Product Compliance:
Chrome Plated Brass Electronic Faucet: Deck Mount Rigid Gooseneck w/ VR Aerator, AC/DC Control Module with Internal Flow Control Setting Switches, Temperature Control Mixing Valve w/ Check Valves, 18" Hot & Cold Supply Stop Flexible Connector Hoses	ASME A112.18.1 / CSA B125.1 NSF 61 - Section 9 NSF 372 (Low Lead Content) ANSI A117.1 (ADA) UL 1951

T&S BRASS AND BRONZE WORKS, INC.
2 Saddleback Cove / P.O. Box 1088
Travelers Rest, SC 29690

Model No.

B-1231

Item No.

Travelers Rest, SC: 800-476-4103 • Simi Valley, CA: 800-423-0150 • Fax: 864-834-3518 • www.tsbrass.com

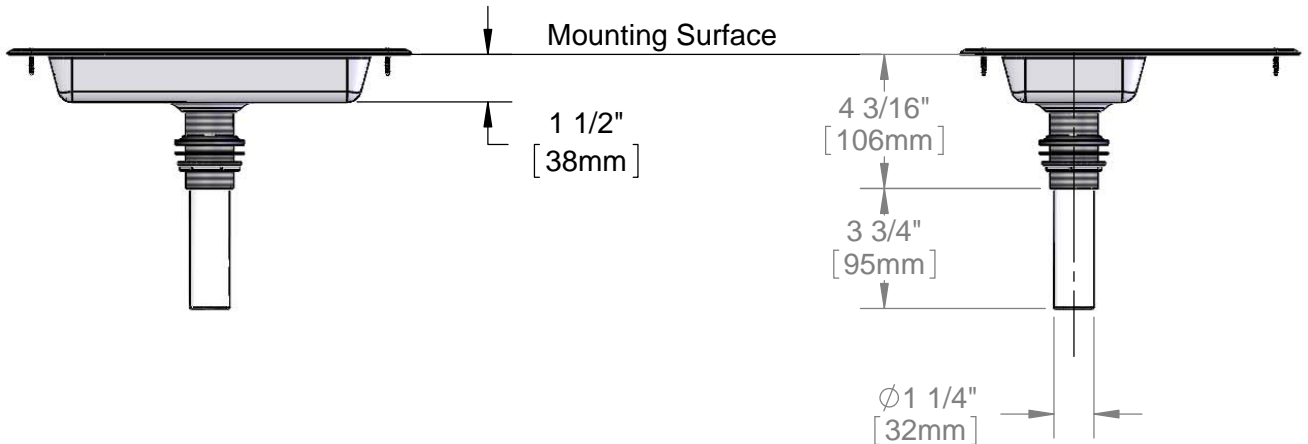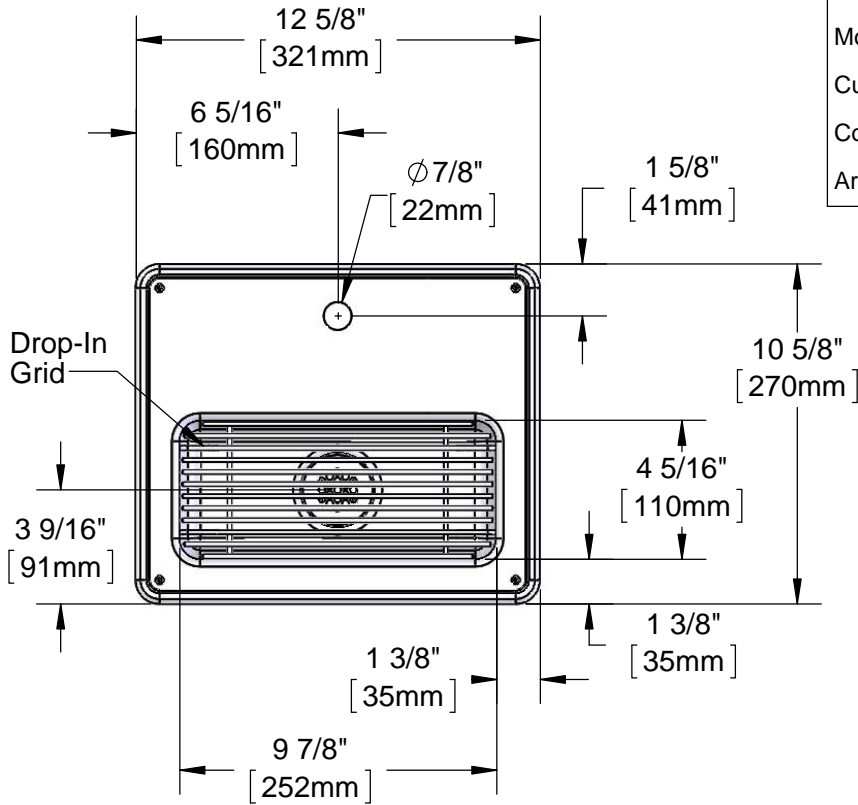This Space for Architect/Engineer Approval

Job Name_____Date_____

Model Specified_____ Quantity_____

Customer/Wholesaler_____

Contractor_____

Architect/Engineer_____

12 5/8"
[321mm]

6 5/16"
[160mm]

∅ 7/8"
[22mm]

1 5/8"
[41mm]

Drop-In Grid

10 5/8"
[270mm]

4 5/16"
[110mm]

3 9/16"
[91mm]

1 3/8"
[35mm]

1 3/8"
[35mm]

9 7/8"
[252mm]

Mounting Surface

1 1/2"
[38mm]

4 3/16"
[106mm]

3 3/4"
[95mm]

∅ 1 1/4"
[32mm]

Note:
1. 18 Gauge Stainless Steel Pan w/ Beaded Edge
   Supplied w/ Mastic & Stainless Steel Screws for Mounting.
2. Suggested Cut Out Size for Pan is 10-1/2" x 5". Customer
   to Verify Actual Cut Out Needed Prior to Installation.

Product Specifications:
18 Gauge Die-Stamped Stainless Steel Drip Pan, Drop-In Grid & Ø 1 1/4" Drain

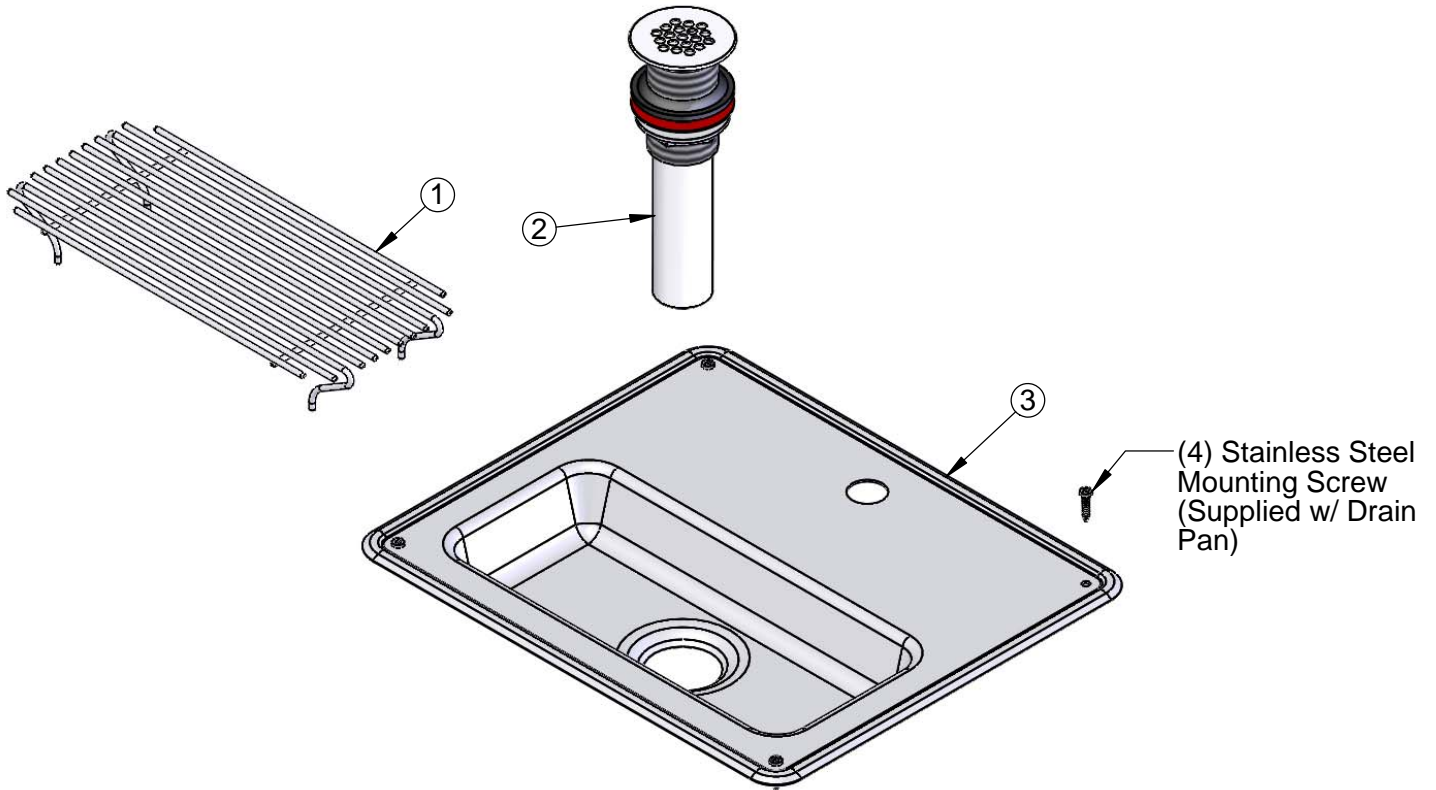Product Compliance:
ASME A112.18.2 / CSA B125.2 (Drain)

| Drawn: | KJG | Checked: | GEF | Approved: | JHB | Date: | 06/30/15 | Scale: | 1:6 | Sheet: 1 of 2 |

T&S BRASS AND BRONZE WORKS, INC.
2 Saddleback Cove / P.O. Box 1088
Travelers Rest, SC 29690

Model No.

B-1231

Item No.

Travelers Rest, SC: 800-476-4103 • Simi Valley, CA: 800-423-0150 • Fax: 864-834-3518 • www.tsbrass.com

ITEM NO.	SALES NO.	DESCRIPTION
1	183F	Drip Pan Grid
2	010126-45	Drip Pan Drain
3	010123-45	Drip Pan

(4) Stainless Steel Mounting Screw (Supplied w/ Drain Pan)

Water Filter

879 appears as Mark number

MANUFACTURER Everpure

MODEL #   Insurice 9324-01

FEATURES   - (2) extra Everpure cartridges.

ELECTRICAL

CONNECTION	VOLTS	PHASE	AMPS
KW	HP	ROUGH-IN HEIGHT	
ROUGH-IN COMMENTS			

PLUMBING

HW	CW 1/2", +48"	WASTE
ROUGH-IN COMMENTS Extend to ice maker, Mark 709		

GAS

GAS SIZE	MBH	HEIGHT
COMMENTS		

VENTILATION

CONNECTION TYPE	CFM	STAT. PRESS.
DUCT SIZE		VENT HEIGHT
COMMENTS		

Insurice Single-I 2000 System

Delivers premium quality water for ice applications

Insurice Single-I 2000 System: EV9324-01

I 2000 Replacement Cartridge: EV9612-21

BENEFITS

Reduces water-related ice machine problems caused by scale build-up from dirt and dissolved minerals

Reduces chlorine taste and odor and other offensive contaminants

Self-contained scale inhibitor feed keeps ice machines functioning at full capacity

Reduces maintenance and service costs by reducing scale and clogging of distribution lines, evaporator plate and pump

Precoat submicron technology reduces dirt and particles as small as 1/2 micron in size

Reduces possible health contaminants such as asbestos fibers and Cryptosporidium and Giardia cysts

Sanitary cartridge replacement is simple, quick and clean. Internal filter parts are never exposed to handling or contamination

NSF Certified under NSF/ANSI Standards 42 and 53

INSTALLATION TIPS

Choose a mounting location suitable to support the full weight of the system when operating

Never use saddle valve for connection

Use 3/8" water line

Do not connect system to water-cooled condenser

Install vertically with cartridges hanging down and allow 2-1/2" clearance below the cartridge for easy cartridge replacement

Flush cartridges by running water through system for five minutes at full flow

OPERATION TIPS

Change cartridges on a regular 6 month preventative maintenance program

Change cartridges when capacity is reached or when pressure falls below 10 psi

Service flow rate must not exceed 1.67 gpm

Always flush the filter cartridge at time of installation and cartridge change

APPLICATION/SIZING

For ice machine applications

Most cubers up to 750 lbs./day

Most flakers up to 1,500 lbs./day

Insurice Single-I 2000 System

Overall Dimensions:
29"H x 7"W x 7"D

Inlet connection: 3/8"

Outlet connection: 3/8"

Service Flow Rate:
Maximum 1.67 gpm (6.3 Lpm)

Pressure Requirements:
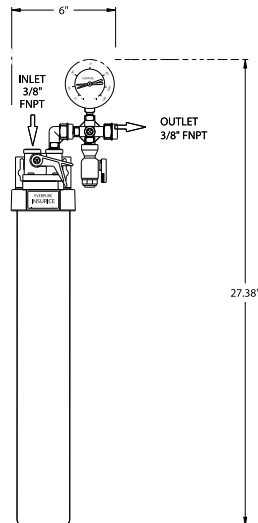10 - 125 psi (0.7 – 8.6 bar), non-shock

Temperature: 35 - 100°F (2 - 38°C)

No electrical connection required

Shipping Weight: 6 lbs.

Operating Weight: 9 lbs.

The contaminants or other substances removed or reduced by this drinking water system are not necessarily in your water. Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Systems certified for cyst reduction may be used with disinfected water that may contain filterable cysts.

6"

INLET 3/8" FNPT

OUTLET 3/8" FNPT

27.38"

WARRANTY

Everpure water treatment systems (excluding replaceable elements) are covered by a limited warranty against defects in material and workmanship for a period of five years after date of purchase. Everpure replaceable elements (filter cartridges and water treatment cartridges) are covered by a limited warranty against defects in material and workmanship for a period of one year after date of purchase. See printed warranty for details. Everpure will provide a copy of the warranty upon request.

System Tested and Certified by NSF
International against NSF/ANSI
Standard 42 and 53 for the reduction of:

Standard No. 42: Aesthetic Effects
    Chemical Unit
        Taste and Odor Reduction
        Chlorine Reduction
    Mechanical Filtration Unit
        Particulate Reduction, Class I:
        99.9+% reduction of particles
        one-half micron and larger in size
Standard No. 53: Health Effects
    Mechanical Filtration Unit
        Turbidity Reduction
        Cyst Reduction
        Asbestos Reduction

EVERPURE®

Spare Number

MANUFACTURER

MODEL #

FEATURES

ELECTRICAL

CONNECTION	VOLTS	PHASE	AMPS
KW	HP	ROUGH-IN HEIGHT	
ROUGH-IN COMMENTS			

PLUMBING

HW	CW	WASTE
ROUGH-IN COMMENTS		

GAS

GAS SIZE	MBH	HEIGHT
COMMENTS		

VENTILATION

CONNECTION TYPE	CFM	STAT. PRESS.
DUCT SIZE		VENT HEIGHT
COMMENTS		

GUEST LAUNDRY

Folding Table

MANUFACTURER Generic

MODEL #   Generic

FEATURES   - Item by G.C.; NIKEC.
- Free standing unit.
- Size and shape as shown on plans.

ELECTRICAL

CONNECTION	VOLTS	PHASE	AMPS
KW	HP	ROUGH-IN HEIGHT	
ROUGH-IN COMMENTS			

PLUMBING

HW	CW	WASTE
ROUGH-IN COMMENTS		

GAS

GAS SIZE	MBH	HEIGHT
COMMENTS		

VENTILATION

CONNECTION TYPE	Dryer	CFM 400	STAT. PRESS.
DUCT SIZE	4"	VENT HEIGHT	+8"
COMMENTS	Vent to outside air		

Ironing Board

MANUFACTURER Generic

MODEL # Generic

FEATURES - Item by Owner; NIC.

ELECTRICAL

CONNECTION	VOLTS	PHASE	AMPS
KW	HP	ROUGH-IN HEIGHT	
ROUGH-IN COMMENTS			

PLUMBING

HW	CW	WASTE
ROUGH-IN COMMENTS		

GAS

GAS SIZE	MBH	HEIGHT
COMMENTS		

VENTILATION

CONNECTION TYPE	CFM	STAT. PRESS.
DUCT SIZE	VENT HEIGHT	
COMMENTS		

Guest Washer (ADA)

MANUFACTURER Speed Queen

MODEL # SFNNCASP115TW01

FEATURES
- ADA compliant.
- 14 lb. load capacity.
- Sensor water level.
- Dial-a-fabric control.
- Coin-control kit. (VFY.)
- Energy Star rated.

ELECTRICAL

CONNECTION	SR	VOLTS	120	PHASE	1	AMPS	15.0
KW		HP		ROUGH-IN HEIGHT	+42"		
ROUGH-IN COMMENTS	GFI						

PLUMBING

HW	1/2", +36"	CW	1/2", +36"	WASTE	IW, 1" hose, +36", to 2"
ROUGH-IN COMMENTS	Standard utility set				

GAS

GAS SIZE		MBH		HEIGHT	
COMMENTS					

VENTILATION

CONNECTION TYPE		CFM		STAT. PRESS.	
DUCT SIZE			VENT HEIGHT		
COMMENTS					

QUANTUM® GOLD COIN DROP INSTALLED, PREP FOR COIN, PREP FOR CARD

COMMERCIAL FRONT CONTROL FRONT LOAD WASHER

Built for Reliable Performance

Engineered and built like no other, the Speed Queen front load washer is designed to be everything people thought a washer couldn't be, beginning with its revolutionary suspension and sensing technology. This groundbreaking innovation manages and redistributes out-of-balance loads to deliver uninterrupted cycles, virtually eliminate vibration and operate so quietly neighboring residents won't even know it's running. It also touts an incredible 440 G-Force extraction speed to maximize moisture removal, reduce dry times and minimize utility costs. And as if that's not game-changing enough, this smooth-running, laundry-optimizing machine delivers increased water efficiency. It's everything you never knew it could be. Front controlled products have met every design standard to be 100% ADA compliant.

- Revolutionary balancing technology
- Industry leading 1200 RPM spin speed exerts 440 G-force extraction
- Integrated meter case
- Extra-wide 15.5˝ door opening and 180º door swing
- Rugged suspension system
- Easy-to-read digital display
- Large capacity meter case standard
- Multi-level vend pricing
- Individual cycle modifier keys
- Durable stainless steel tub standard
- Four-compartment soap dispenser
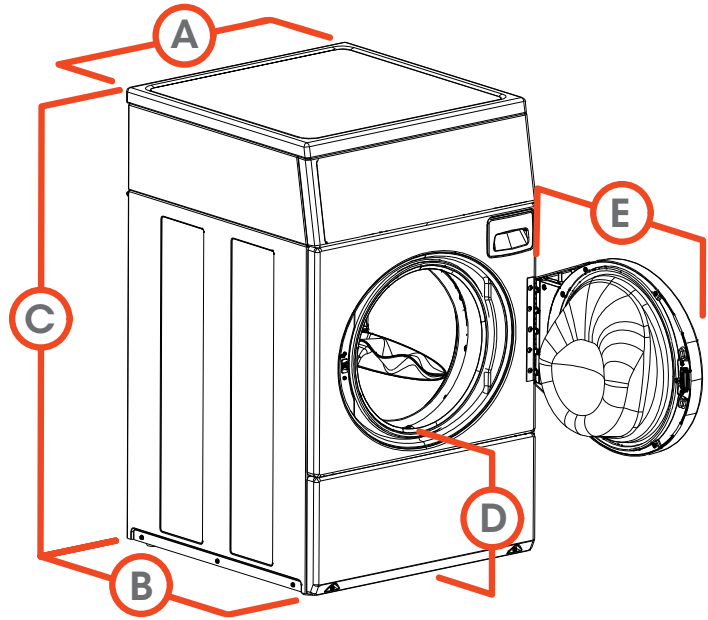- Wash Alert™ capability

ENERGY STAR® Certified Washer

The cutting edge Quantum control system from Speed Queen gives you the freedom to manage laundry your way with the power to achieve unmatched levels of revenue. Quantum Gold provides users with additional cycle choices while offering new options to help lower operating costs and incorporates tools and options to increase revenue.

Speed Queen®

COMMERCIAL FRONT CONTROL FRONT LOAD WASHER

MODEL - see below for all models and activation available	
CONTROL OPTION	Quantum Gold
COLOR	White
CAPACITY - lb (kg)	21.5 (9.5)
OVERALL WIDTH - in (mm)	26.875 (683)
OVERALL DEPTH - in (mm)	27.73 (704)
OVERALL HEIGHT - in (mm)	44.34 (1126)
CYLINDER VOLUME - cu. ft. (liters)	3.42 (96.8)
SPIN SPEED G-FORCE (RPM)	440 (1200)
MOTOR SIZE - HP (kw)	0.9 (0.67)
WATER CONSUMPTION PER CYCLE - g (liter)	13.68 (51.8)
IWF (WATER FACTOR) - gal/ft³ (liters/liter/cycle)	4.0 (0.53)
MEF_{J2} (Modified Energy Factor) ft³/kWh/cycle (Liters/kWh/cycle)	2.20 (62.3)
AVAILABLE WATER TEMPERATURES	Hot, Warm, Cold
AVAILABLE CYCLES	Normal, Perm Press, Delicates/Bulky
ELECTRICAL REQUIREMENTS (v/Hz/Ph-Amp)	120/60/1 - 15 Amp
WATER PRESSURE - p.s.i. (bar)	20-120 (1.4/8.3)
CYLINDER FINISH	Stainless Steel
NET WEIGHT - lb (kg)	260 (118)
SHIPPING WEIGHT - lb (kg)	270 (122.5)
SHIPPING DIMENSIONS APPROX. - in (mm) Width	34 (864)
Depth	30 (762)
Height	44.5 (1130)
AGENCY APPROVALS	cULus

MODELS	DRAIN	ACTIVATION
SFNNCASP115TW01	Pump	Coin Drop Installed
SFNNCAJP115TW01+	Pump	
SFNNCASG115TW01	Gravity	
SFNNXASP115TW01	Pump	Prep for Coin
SFNNXASG115TW01	Gravity	
SFNWXASP115TW01*	Pump	
SFNNYASP115TW01	Pump	Prep for Card
SFNNYAJP115TW01+	Pump	
SFNNYASG115TW01	Gravity	
SFNWYASP115TW01*	Pump	

+ Supply Injection
* Wireless Network Board Factory Installed

A.	OVERALL WIDTH - in (mm)	26.875 (683)
B.	OVERALL DEPTH - in (mm)	27.73 (704)
C.	OVERALL HEIGHT - in (mm)	44.34 (1126)
D.	FLOOR TO DOOR OPENING -in (mm)	14.6 (371)*
E.	DOOR SWING - in (mm)	24 (610)

* For ADA compliance turn legs out from base 0.5 inches

Speed Queen by Alliance Laundry Systems

speedqueencommercial.com/multihousing
AM18-0038 • ©2018 Alliance Laundry Systems LLC

Guest Dryer - Electric (ADA)

MANUFACTURER Speed Queen

MODEL # SDENCAGS173TW01

FEATURES
- ADA compliant.
- Electric heated unit.
- Free standing unit.
- Cool-down cycle.
- Large capacity filter.
- Coin-control kit. (VFY.)

ELECTRICAL

CONNECTION SR	**VOLTS** 120/208	**PHASE** 1	**AMPS** 30.0 cct.
KW	**HP**	**ROUGH-IN HEIGHT** +42"	
ROUGH-IN COMMENTS			

PLUMBING

HW	**CW**	**WASTE**
ROUGH-IN COMMENTS		

GAS

GAS SIZE	**MBH**	**HEIGHT**
COMMENTS		

VENTILATION

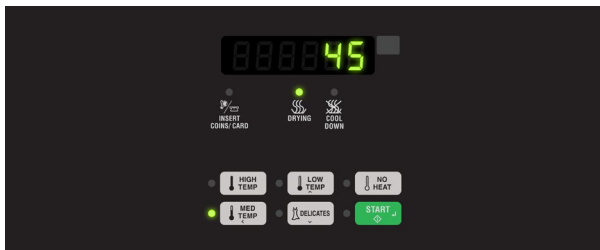|		
CONNECTION TYPE Exhaust	**CFM** 220	**STAT. PRESS.**
DUCT SIZE 4" diam.		**VENT HEIGHT** +8" AFF
COMMENTS Vent to outside air		

QUANTUM® GOLD COIN DROP INSTALLED, PREP FOR CARD

COMMERCIAL FRONT CONTROL SINGLE DRYER

Built for Reliable Performance

Speed Queen's dryer, defined by its simplicity and its performance, provides everything you need to get the job done - and nothing you don't. Speed Queen's single load dryers combine heavy-duty construction with reliable operation proven to stand the test of time. They're designed with less moving parts for one reason: so you'll face fewer maintenance problems and less wear and tear down the road. Speed Queen's dryers provide the perfect balance of heat, airflow and tumble action for optimal performance and efficiency. Front load products have met every design standard to be 100% ADA compliant.

- Integrated meter case
- Industry's largest door opening 2.06 sq. ft. (1914 cm²)
- Quiet, efficient blower system
- Door is reversible for installation flexibility
- High efficiency exhaust blower with superior airflow 220 cfm (105 liters/sec)
- 100% serviceable from the front
- Space-saving narrow cabinet 26.875" (683 mm)
- Upfront lint filter easy to clean and secured
- Durable galvanized steel cylinder
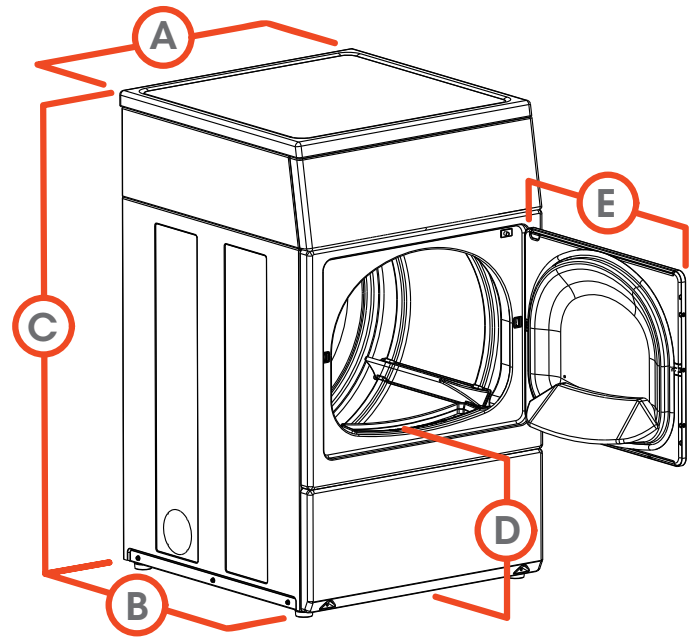- Large capacity meter case standard

The cutting edge Quantum control system from Speed Queen gives you the freedom to manage laundry your way with the power to achieve unmatched levels of revenue. Quantum Gold provides users with additional cycle choices while offering new options to help lower operating costs and incorporates tools and options to increase revenue.

Speed Queen.

SPECIFICATIONS

COMMERCIAL FRONT CONTROL SINGLE DRYER

MODEL - see below for all models and activation available		
CONTROL OPTION		Quantum Gold
COLOR		White
CAPACITY - lb (kg)		18 (8.2)
CYLINDER VOLUME - cu. ft. (liters)		7.0 (198)
MOTOR (THERMAL PROTECTED)		0.33 HP
TYPE OF GAS (GAS MODELS ONLY)		Factory equipped natural
AIR OUTLET DIAMETER - in (mm)		4 (102)
EXHAUST AIRFLOW - cfm (liters/sec)		220 (105)
AVAILABLE CYCLES		High, Medium, Low, Delicates, No Heat
ELECTRICAL REQUIREMENTS	▪Electric	120/240/60/1-30 amp 120/208/60/1-30 amp
	Gas	120/60/1-15 amp
HEATING ELEMENT	Electric	5350W, 240V 4750W, 208V
	Gas	25,000 Btu
NET WEIGHT - lb (kg)	Electric	150 (68)
	Gas	150 (68)
SHIPPING WEIGHT - lb (kg)	Electric	161 (73)
	Gas	161 (73)
SHIPPING DIMENSIONS APPROX. - in (mm)	Width	30.5 (775)
	Depth	29.5 (762)
	Height	45 (1143)
AGENCY APPROVALS	Electric	cULus
	Gas	cCSAus

A.	OVERALL WIDTH - in (mm)	26.875 (683)
B.	OVERALL DEPTH - in (mm)	28 (711)
C.	OVERALL HEIGHT - in (mm)	44.34 (1126)
D.	FLOOR TO DOOR OPENING -in (mm)	15.44 (392)
E.	DOOR SWING - in (mm)	23.5 (597)

MODELS	VOLTAGE/FREQ/PH	ACTIVATION	
SDENCAGS173TW01	120/240/60/1	Electric	Coin Drop Installed
SDGNCAGS113TW01	120/60/1	Gas	
SDENYAGS173TW01	120/240/60/1	Electric	Prep for Card
SDEWYAGS173TW01*	120/240/60/1		
SDENYAGS153TW01	120/208/60/1		
SDEWYAGS153TW01*	120/208/60/1		
SDGNYAGS113TW01	120/60/1	Gas	
SDGWYAGS113TW01*	120/60/1		

* Wireless Network Board Factory Installed

▪Electric dryers come equipped for 240/60/1 operation. They can be field converted to operate on 208/60/1 with optional 61928 conversion kit. Gas dryers can be field converted for operation on LP gas with optional 458P3 conversion kit.

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Guest Dryer - Gas

Mark # **981**

MANUFACTURER Speed Queen

MODEL # SDGNCAGS113TW01

FEATURES
- ADA compliant.
- Gas fired unit.
- Free standing unit.
- Cool-down cycle.
- Large capacity filter.
- Coin-control kit. (VFY.)

ELECTRICAL

CONNECTION SR	**VOLTS** 120	**PHASE** 1	**AMPS** 15.0
KW	**HP**	**ROUGH-IN HEIGHT** +42"	
ROUGH-IN COMMENTS GFI			

PLUMBING

HW	**CW**	**WASTE**
ROUGH-IN COMMENTS		

GAS

GAS SIZE 1/2"	**MBH** 25	**HEIGHT**
COMMENTS		

VENTILATION

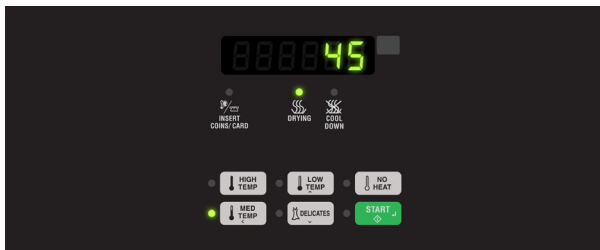|		
CONNECTION TYPE Dryer	**CFM** 220	**STAT. PRESS.**
DUCT SIZE 4" diam.		**VENT HEIGHT** +8"
COMMENTS Vent to outside air		

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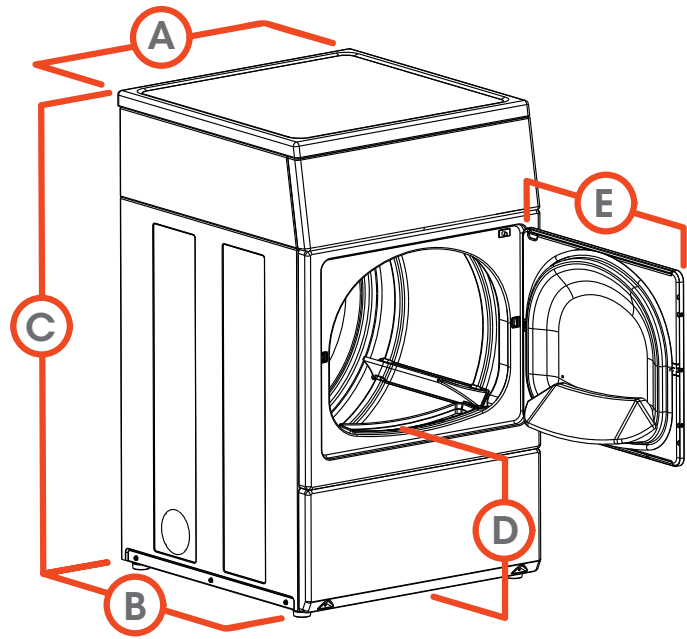- Large capacity meter case standard

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Speed Queen
by Alliance Laundry Systems