

Turning the Ordinary into the Extraordinary

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# **PVC10-SBUX-CAFE-CMC1**

# Starbucks<sup>®</sup> Cart Series Combo Brew/Espresso Cart Version 1.0

**Product Guide** 

January 1, 2023



# Table of Contents

Cart Overview	5
Cart Construction	б
UL Certification	7
Specifications	
Front View	
Rear View	
Left View	9
Right View	9
Top View	9
Equipment Plan	
Summary Guide for Equipment	
Material Finishes	
Powder Coat	
Countertops	
Veneers	
Cart Utilities	
Electrical	
PIVOT Jockey Box	15
Water Supply	
Interior Layout	
Lighting	
Maintenance Tool Box	
Pre-Requisites & Site Preparation	
Shipping	
Installation	
LIMITED WARRANTY	
APPLICABLE WARRANTY PERIOD	
TERMINATION OF WARRANTY	
OBTAINING WARRANTY SERVICE	
EXCLUSIONS	
EXCLUSIVE REMEDY; CONSEQUENTIAL DAMAGES DISCLAIMER	
NO AUTHORIZATION	
WARRANTY DISCLAIMER	



STATUTE OF LIMITATIONS	
DISPUTE RESOLUTION AND LIMITATION OF LITIGATION	
MISCELLANEOUS	
APPENDIX A	
APPENDIX B	
SquareD Load Center QO324L125G	
SquareD Circuit Breaker QO115	
SquareD Circuit Breaker QO120	
SquareD Circuit Breaker QO330	45
Leviton CR20-W Receptacle	
Levlok GFCI MGFN2-W Receptacle	50
Hubbell HBL560P9W	52
Bosch Hot Water Heater (Model# ES2.5)	
Liberty Condensate Pump (Model# LCU-15)	57
Liberty Drain Pump (Model# 405)	59
APPENDIX C	61
Krowne Hand Sink (Model# HS-1425 & HS-1225)	63
Elkay Ice Bin (90lbs)	65
PIVOT Drain Board	69
T&S Water Tower (Model# B-1210-12)	
T&S Water Tower (Model# B-0710)	
Pitcher Rinser	73
APPENDIX D	75
Mastrena	77
Vitamix Blender	81
APPENDIX E	
Powder Coat	85

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# **Cart Overview**

The PVC10-SBUX-CAFE-CMC1 Cart manufactured by PIVOT measures approximately 34 inches wide by 108 inches in length (9 feet) by 96 inches in height (8 feet).

This Cart features a signature box canopy with a beautiful hardwood veneer.



This Cart is designed to be a rear-line unit and complimented with other Carts to form the Standard Plus Starbucks<sup>®</sup> Pop Up Store.

This Combo Espresso/Cold Beverage Cart is packed with features.

- Supports a Mastrena I or Mastrena II
- Integrated Hutch Cock Pit for enhanced functionality
- Hand Sink with Hot Water Heater
- Work Sink with Water Tower and Pitcher Rinser
- PIVOT's plumbed Drainboard
- 90lb draining Ice Bin with Pump
- Cold Beverage Station with Blender
- Dry Locking Storage Cabinet with Shelves
- LED Ceiling Lights
- Furniture-Grade Oak Veneer Updatable
- 304-Stainless Steel Countertop with Marine Edge
- PIVOT's proven Utility Engine under the hood
- Complete electrical system with Load Center
- Premium powder coated metal construction
- UL Listed US & Canada
- A Turnkey *plug 'n play* solution



# **Cart Construction**

The PVC10-SBUX-CAFE-CMC1 Cart is manufactured with a base construction of Steel, Aluminum and Stainless Steel. This is in comparison to many other Carts that are constructed of wood, steel frame or plastic.

PIVOT's base construction provides an optimal platform for durability, functionality, portability and product life. These materials also provide this Cart with a CLASS A Flame Spread rating and is perfect for all environments.



Another huge advantage of the PIVOT Cart base construction is that **100%** of the **WASTE** when manufacturing this Cart is **100% RECYCLABLE**. After a long product life cycle, this Cart can also be refurbished and re-deployed to enjoy another complete life cycle, saving our natural resources and your hard-earned dollars. When it eventually comes time to retire, 100% of the structure of this Cart can be recycled to offer great sustainability of our natural resources.

All steel and aluminum components are powder coated satin black for beauty and ease of maintenance. This type of base construction provides the best platform for durability, long lasting functionality and cleanliness in the wet, harsh and high-volume environment of a Starbucks® store.

The strong base construction is softened by beautiful *Furniture-Grade* natural Oak wood veneers to give this Cart the unmistakable premium Starbucks® look and feel. 304-Stainless Steel countertops with marine edge provides a durable and optimal work surface.

All PIVOT Carts come with premium, non-marking, industrial wheels designed to easily support the weight of the Cart as well as provide many years of maintenance free service. These wheels are affixed onto PIVOT's base structure comprised of 11-gauge steel to provide uncompromising performance in high volume commercial environments.

These Carts come pre-installed with all Utilities and undercounter equipment from the factory for a turn-key store package.



The PVC10-SBUX-CAFE-CMC1 Cart is UL Listed in both the United States and Canada.



You can find our listing on the UL Directory under our file number KNNS.E475132 for the United States and KNNS7.E475132 for Canada, or by following these links (or copy and paste them into your favorite internet browser).

#### UNITED STATES

http://database.ul.com/cgibin/XYV/template/LISEXT/1FRAME/showpage.html?name=KNNS.E475132&ccnshorttitl e=Custombuilt+Food+Service+Equipment&objid=1084945455&cfgid=1073741824&version=version less&parent\_id=1073989156&sequence=1

### **CANADA**

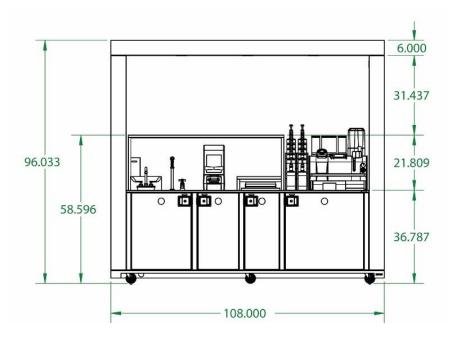
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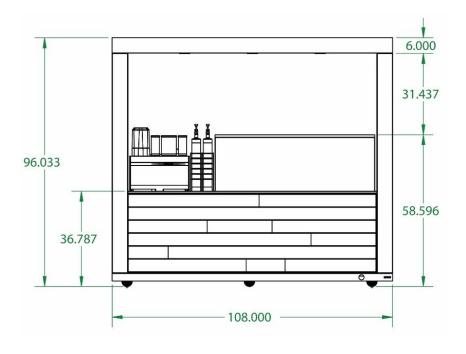
# **Specifications**

The PVC10-SBUX-CAFE-CMC1 Cart measures approximately 34 inches wide by 108 inches in length (9 feet) by 96 inches in height (8 feet). Exact dimensions are shown below.

#### **Front View**

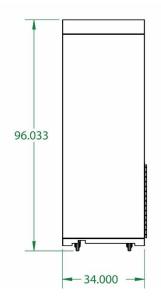


**Rear View** 

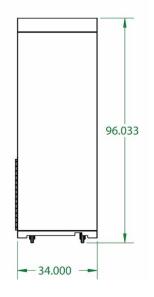




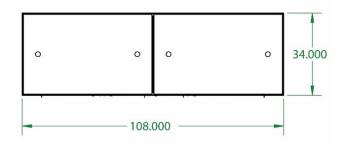
#### **Left View**



**Right View** 



**Top View** 





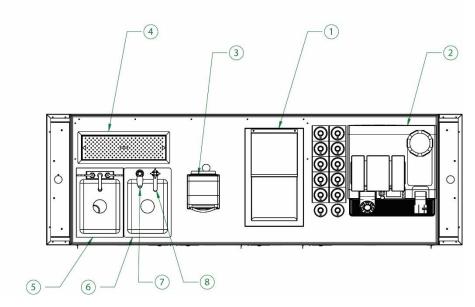
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# **Equipment Plan**

The PVC10-SBUX-CAFE-CMC1 Cart is complimented with the best commercial equipment as required by Starbucks<sup>®</sup>. This equipment includes:

- Ice Bin (90lbs)
- Mastrena Espresso Machine
- Blender
- PIVOT Drain Pan
- Hand Sink with Faucet
- Work Sink with Water Tower and Pitcher Rinser

	EQUIPMENT PLAN
1	Elkay Ice Bin 90LBS - SBUX DID# 13044
2	Mastrena - SBUX DID# 12694
3	Vitamix Blender - SBUX DID# 12508
4	PIVOT Drain Pan
5	Krowne - Model # HS-1225 - Hand Sink w/ Faucet
6	Krowne - Model # HS-1425 - Work Sink
7	Water Tower - T&S - Model# B-1210-12
(8)	Pitcher Rinser - T&S - Model# B-0710



Please note that all built in equipment cutsheets are located in Appendix A (Equipment Cutsheets), plumbing fixtures cutsheets are located in Appendix C and equipment package cutsheets are located in Appendix D (All Other Equipment Cutsheets).



#### Summary Guide for Equipment

Outlined below is a Summary Guide for all equipment for the PVC10-SBUX-CAFE-CMC1 Cart.

Please note the following:

- Included in Cart This equipment comes included and installed in the PIVOT Cart.
- Included in Equipment Package This equipment is required by the Starbucks<sup>®</sup> Cart and can be purchased in the Equipment Package through PIVOT.
- Starbucks<sup>®</sup> This equipment must be purchased separately and is not included in either the Cart or the Equipment Package Price. This must be purchases and provided directly by Starbucks<sup>®</sup>.

Equipment	Category	DID#	Included in Cart	Included in Equip. Pkg.	<b>Starbucks</b> ®
Elkay Ice Bin (90lbs)	Ice Bin	PIVOT	✓		
Mastrena	Coffee	12694			۲
Vitamix Blender	Coffee	12508		✓	
PIVOT Drain Pan	Sink	PIVOT	✓		
Hand Sink with Faucet	Sink	PIVOT	✓		
Work Sink	Sink	PIVOT	✓		
Water Tower	Sink	PIVOT	✓		
Pitcher Rinser	Sink	PIVOT	✓		

Note: ① Customer must order this directly from Starbucks<sup>®</sup>. Please note that any equipment or option not explicitly listed above is not included with the Cart or Equipment Package.



### **Material Finishes**

The PVC10-SBUX-CAFE-CMC1 Cart incorporates the best material finishes in the industry to provide many years of beauty and performance. PIVOT Carts are well known for its low cost of maintenance and durability.

#### **Powder Coat**

PIVOT powder coats all metal surfaces to ensure a lasting and quality finish. Power coat is extremely durable, as well as washable, making it the perfect finish for high volume concession environments.

This Cart is powder coated with a high quality "Series 38-Super Durable" exterior grade satin finish. This powder coat is manufactured by Tiger Drylac.

Please find detailed Product Specifications in Appendix E (Material Finishes Documentation) of this Product Guide.

#### **Countertops**

This Cart comes standard with a 304-Stainless Steel Countertop with Marine Edge. This countertop is manufactured by PIVOT.

This countertop provides the ideal work surface for sanitary food/beverage preparation providing both strength and durability.

#### **Veneers**

PIVOT Carts are designed with an innovative Veneer system that adds beauty and value to your Cart. Veneers are set in an aluminum frame and affixed to the Cart with a proprietary hanging system. This hanging system utilizes a keyhole design to allow the Veneer frame to be easily removed and installed. An integrated locking system ensures the Veneer stays in place until you would like to remove it.

The Veneer that comes standard with this Cart is a beautiful Furniture-Grade natural Oak hardwood lightly stained and finished with lacquer to provide a beautiful yet durable surface.



# **Cart Utilities**

The PVC10-SBUX-CAFE-CMC1 Cart comes with utilities pre-installed at the factory. These utilities include: Electric, Water Supply and Sanitary.



The Utility Compartment (shown above) on the left side of this Cart contains all the utilities for this Cart and the combined Store that this Cart is integrated into. PIVOT has developed this engine over many iterations and years to provide this optimal performance.

#### **Electrical**

The Cart is outfitted with a SquareD load center Model # Q0324L125G (See attached cut sheet in Appendix B). This load center is rated for 120/208V 125AMP 3 PH.





SquareD Q0115, Q0120 and Q0330 circuit breakers are used for all 120V 15AMP, 120V 20AMP, 208V 3PH 30AMP circuits respectively (See attached cut sheets in Appendix B). Please note that these load center circuit breakers are not GFCI circuit breakers. GFCI receptacles are used in lieu of GFCI circuit breakers as a standard.

Electrical wiring for all circuits utilize appropriately sized MC Cable. All receptacle boxes are single or double gang metal boxes commonly referred to as J Boxes. Receptacles for non-GFCI applications utilize the Leviton CR20-W (see attached cut sheet in Appendix B) for all 120V 15AMP and 120V 20AMP circuits. PIVOT utilizes 20AMP receptacles and 12-gauge wiring (for 20 AMP) for our 15AMP receptacles so that any receptacle and





circuit can be easily upgraded from 15AMP to 20AMP by simply upgrading the circuit breaker in the load center.

Levlok GFCI MGFN2-W (see attached cut sheet in Appendix B) receptacles are used for all 120V 15AMP and 120V 20AMP GFCI applications. As above, PIVOT utilizes 20AMP receptacles and 12-gauge wiring (for 20 AMP) for our 15AMP receptacles so that any receptacle and circuit can be easily upgraded from 15AMP to 20AMP by simply upgrading the circuit breaker in the load center.

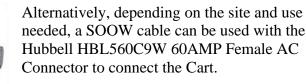




A 4 Gauge/5 Wire SOOW power cord is used to supply power to the Cart's load center terminated by a Hubbell HBL560P9W 60AMP Male AC Connector. This connector is pre-installed on the Cart at PIVOT's factory. PIVOT provides approximately 10 feet of whip for this SOOW cord (from the outside of the Cart). If additional length is needed, alternative connector is required or a different

electrical setup is needed, please communicate those changes during the ordering process. Please note that additonal charges may apply. Once an order has been placed, PIVOT may or may not be able to accommodate those changes.

At the desired service location, the customer is responsible for providing and installing the appropriate receptacle for this Cart to plug into. The matching receptacle for the above male Hubbell connector is the Hubbell HBL560R9W 60AMP Female AC Receptacle shown to the right.



Another option is using a Mechanical Interlock which offers the benefit of having a disconnect.

The fused version is HBL560MIF9W and the unfused version is HBL560MI9W from Hubbell.

meeting local jurisdictional code requirements.





It is the customer's responsibility to meet local jurisdictional codes and to have the proper receiving receptacle/connector installed by a licensed electrician prior to the installation of the Cart. Changes to this standard setup must be communicated and agreed prior to ordering the Cart from PIVOT. PIVOT takes no responsibility for





The SOOW cord exits the Cart from a 2 inch access hole in the Cart baseplate at the rear of the Cart as shown above. This elevated access hole prevents the cord from hitting the ground and dragging during transport.

Please note that load center can accommodate up to 125AMPS. The cord and connector are rated at 60AMPS.

#### **PIVOT Jockey Box**



PIVOT does have an optional accessory that can be purchased to make the installation of the on-site electrical even easier – the **PIVOT Jockey Box**.

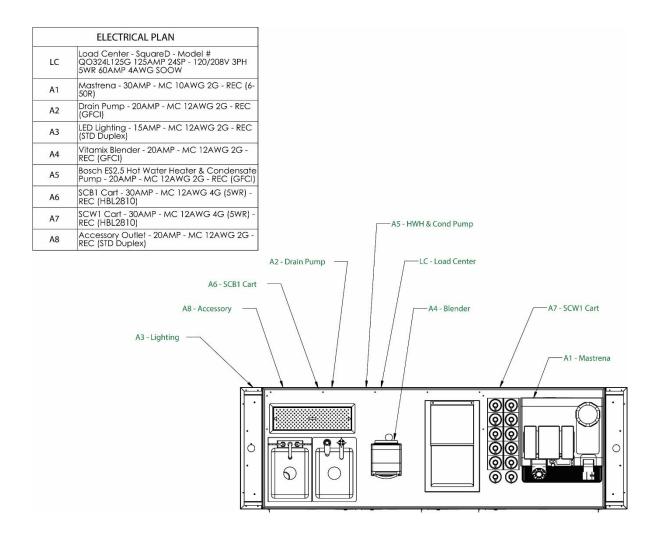
This Jockey Box is a pre-configured junction box with unistrut for mounting. This box contains the Hubbell receptacle mounted to the bottom and wired to a terminal block installed inside of the box. This Jockey Box is designed specifcally for this Cart providing 3 Phase 120/208V 60AMPS. This Jockey Box should be installed by a licensed and certified electrician.







#### **Electrical Plan**





#### Load Schedule

The load schedule for the PVC10-SBUX-CAFE-CMC1 Cart is shown below.

			Load Schedule							
DI	ΛOT.		Project:	ject: PVC10-SBUX-CAFE-CMC1 Main Breaker AMPs: 60 AMP						
			Panel:			Line Voltage:		120/208V 3PH 5 WR SOOW		
Load Name	Load AMPs	Breaker AMPs	СНК #	A Phase WATTS	B Phase WATTS	C Phase WATTS	СНК #	Breaker AMPs	Load AMPs	Load Name
			1					20	7.3	A2
A1	28.8	30		800			2			Dpump
Mastrena			3		3100			15	1	A3
			-		25	4.4.40	4			Lighting
A4	15	20	5			1440		20	12	A5
Blender			7	300		1100	6			HWH&Cpump
			/	2150			8	1		
A6			9		2650		0	- 30	20	A7
SCB1	20	30			2050		10			SCW1
			11		2100	2050				
						220		1		
A8	40	20	13	1000						
Accessory	10	20					14	1		
			15							
							16			
			17							
							18			
			19							
							20			
			21					-		
							22			
			23					4		
	<u> </u>						24			
Tota				7350	7925	4810				
	Estimate	d Ampera	ge		55.79					

The peak load of the Cart is estimated at 55.79AMP at 3 Phase 120/208V. This Cart is rated at 60AMP.



#### Water Supply

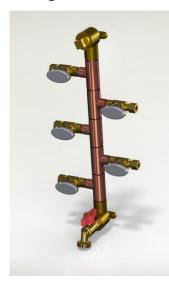
The PVC10-SBUX-CAFE-CMC1 Cart is designed at accept Filtered Water supplied into PIVOT's integrated Water Manifold system. This Water Manifold is constructed of copper and is used to control the water supply to all equipment in the Cart which are individually connected using stop valves supporting 3/8-inch compression fittings. The Water Manifold in this Cart supports 5 connections.





As Carts offer a great portable and temporary store platform, PIVOT recommends the installation of a Hose Bibb (rated for potable water – lead free) as the water source to supply this Cart and a fresh water supply hose as the delivery mechanism for supplying water from the hose bibb to the Cart. Utilizing this technique can have the additional advantage of simplified permitting as the Carts would be viewed as a *"large piece of equipment"* that is UL Listed instead of a Store build.

Alternatively, this Water Manifold can be hard plumbed utilizing the water inlet on the TOP of the manifold (this connection is a dog ear elbow (¾" FIP) – ships from the factory with a ¾" brass plug) or through the valve on the bottom with the appropriate



adapters (adapters not provided by PIVOT).

PIVOT provides and installs Stainless Steel braided hoses 25 ft 25 ft Construction Co

Drinking Water Hose

to all supported equipment (please refer to the Equipment Plan section of this document) from this Water Manifold to the location of each piece of equipment.

Please note that all plumbing equipment cutsheets are located in Appendix B – Utility Cutsheets.

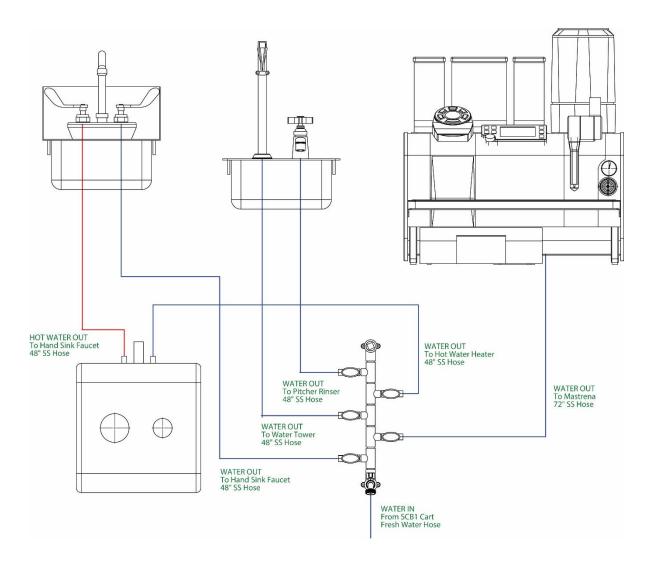


#### Hot Water Heater

A Bosch 2.7-gallon hot water heater (Model# ES2.5) is installed in the Cart to provide hot water to the hand sink (shown to the right).



#### Water Supply Diagram





#### <u>Sanitary</u>

All sanitary lines, internal to this Cart, are pre-installed at PIVOT's factory. These lines consist of Schedule 40 PVC piping with the appropriate PVC, Brass and John Guest connection fittings.

This Cart comes standard with a Drain Pump system to easily pump, out and up, all Sanitary from the Cart. This system features a Liberty 405 Drain Pump (shown on the right – product cutsheet provided in Appendix B). This Drain Pump features a ½ HP motor and can move graywater to a maximum head height of almost 35 feet and a maximum liquid temperature of 180 degrees F.

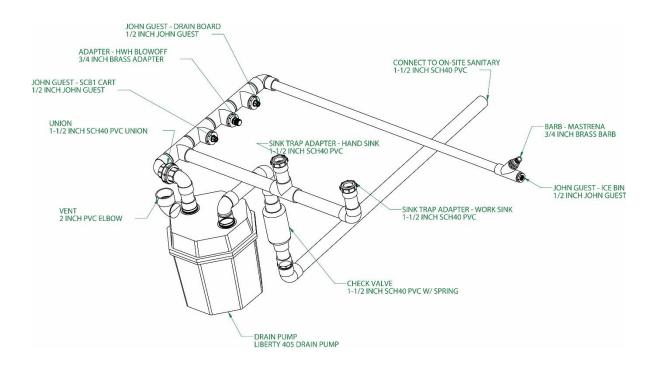




Due to the height of the 90lb Ice Bin, a Condensate Pump is

used (Liberty LCU-15 show on the left) to pump the draining water from this Ice Bin into the main sanitary line as shown in the diagram below.

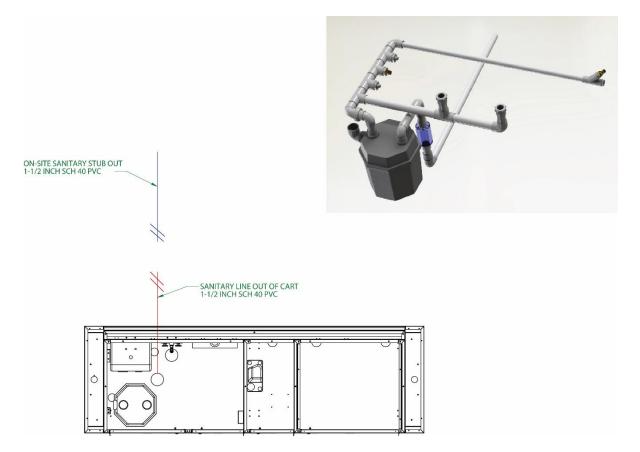
#### Sanitary Diagram





#### Sanitary - Site Preparation

When utilizing PIVOT's innovative Drain Pump system, site preparation is reduced to installing a Sanitary line to the store location from the closest available and applicable drain. The Drain Pump can pump up and out to this drain. The stub out connection needs to accept a 1  $\frac{1}{2}$  inch SCH 40 PVC pipe from this Cart.



PIVOT includes one Check Valve located in the vertical PVC piping near the outlet of the Drain Pump. All other requirements downstream of that Check Valve must be supplied and installed by the customer.

Please note that all utilities (electric, water supply and sanitary) included in this Cart is UL Listed from the factory and is based on the National Standards of the United States. PIVOT makes no guarantees and takes no responsibility for meeting local jurisdictional code. It is the customer's responsibility to review this Cart with their local codes department and obtain approval.



#### **Interior Layout**



Shown above is an interior view of the Cart (Cart with the doors suppressed).

The interior of the Cart is divided into 3 compartments. The compartment from left to right are as follows.

- Utility Compartment
- Ice Bin Compartment
- Storage Compartment

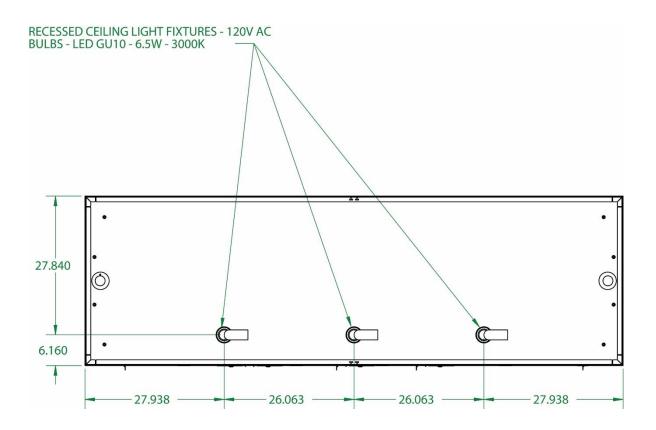


# Lighting

The PVC10-SBUX-CAFE-CMC1 Cart contains 3 recessed ceiling LED lights. These lights are 120V AC and accepts GU10 bulbs. The bulbs supplied with this Cart are LED GU10 6.5W (60-Watt equivalent) 3000K.

The lighting in this Cart is extremely efficient with only a total of 19.5 Watts of energy consumption.

#### **Lighting Plan**





# **Maintenance Tool Box**



The PVC10-SBUX-CAFE-CMC1 Cart comes with a Maintenance Tool Box that contains spare parts that can be used for future maintenance of the Pop Up Store.



### **Pre-Requisites & Site Preparation**

The pre-requisites and site preparation for the PVC10-SBUX-CAFE-CMC1 Cart are as follows.

- Finished hard and mopable floor to pass health inspection
- Electrical feeder (3 Phase 120/208V 60AMP 4G 5WR) terminating in a Hubbell receptacle or PIVOT Jockey Box
- Water supply terminating with a Hose Bibb rated for potable water
- Sanitary stub out terminating in a 1 ½-inch SCH 40 PVC connection



# Shipping

PIVOT can provide shipping of the PVC10-SBUX-CAFE-CMC1 Cart to the store location.

There are multiple shipping options available:

- Common Freight/FTL Dock to Dock
- Common Freight/FTL Installer Offload
- PIVOT Trailer Delivery

Please contact PIVOT for more information.



### Installation

The PVC10-SBUX-CAFE-CMC1 Cart comes in fully assembled components for an extremely easy installation. These components are listed below.

- Main Unit
- Left Support Wing
- Right Support Wing
- Canopy Top Crown

Installation time is less than 1 hour with 2 people.





# LIMITED WARRANTY

PIVOT LLC ("PIVOT") warrants to the original purchaser ("Purchaser") that it will repair or replace components of the Products (as defined in the Master Product Sales Agreement) manufactured by PIVOT (except for components not warranted under "Exclusions") that are defective in material or workmanship under normal interior use and service ("Defects"). PIVOT's obligation under this warranty is limited to the repair or replacement, at PIVOT's option, of the applicable components. This limited warranty shall only apply to Defects that are reported to PIVOT within the applicable warranty period and which, upon examination by PIVOT, prove to be defective. This warranty extends only to the first purchaser of a product, and is not transferable or assignable.

#### APPLICABLE WARRANTY PERIOD

The applicable warranty period, measured from the date of delivery to the original purchaser, shall be as follows:

- a) Two (2) years for all PIVOT Products and components (except for the products and components listed in (b), (c) and (d), and except for components not warranted under "Exclusions"), including baseplate structures, chassis structures, doors, locks, wheels and level glides.
- b) One (1) year for all LED components including LED Drivers, Strip Lights, Fixtures and Modules.
- c) One (1) year for all signage.
- d) One (1) year for all veneers.

In PIVOT's reasonable discretion, PIVOT shall make the determination of how to correct any Defect covered by this Limited Warranty. If PIVOT opts to replace an item, replacement components will be substantially comparable to the items replaced, subject to availability (identical colors and other features may not be available.) If PIVOT elects to repair the defective item, PIVOT will correct the Defect in such a manner as to restore the item to substantially the same conditions, which would have existed had the Defect not been present. PIVOT shall have no liability for work performed by Purchaser or Purchaser's agents or for the cost thereof. No action to correct any Defect shall extend the duration of this Limited Warranty.

#### **TERMINATION OF WARRANTY**

The limited warranty shall immediately terminate if the Product is removed from the original installation site.

#### **OBTAINING WARRANTY SERVICE**

Warranty service must be obtained through either PIVOT or an authorized dealer in the PIVOT product line for which warranty service is requested. PIVOT may be



contacted for warranty service inquiries or issues via email at <u>warranty@pivotcorp.com</u>, through the PIVOT website at <u>www.pivotcorp.com</u>, by phone at (404) 671-9326, by facsimile at (404) 671-9325, or by mail to PIVOT, ATT: WARRANTY DEPT, 851 Hickory Flat Hwy, Canton, Georgia 30115.

It is the purchaser's obligation to arrange for delivery of a Product to PIVOT or one of its authorized dealers for warranty service, which delivery shall be at purchaser's expense. It is also the purchaser's obligation to comply with the warranty service instructions provided either by PIVOT or its authorized dealer. If the Product was purchased from an authorized dealer and not directly from PIVOT, the purchaser must provide PIVOT with completed warranty registration information within thirty (30) days after purchase in order to obtain the benefits of this warranty.

#### **EXCLUSIONS**

This Limited Warranty does not cover third party equipment, sinks, faucets, and plumbing accessories. Any warranties on these items are extended directly by the manufacturer of these items to the original purchaser. Information on these manufacturers' warranties will be enclosed with the applicable products. Also, PIVOT will furnish copies of any of the warranties extended by any such manufacturers upon request.

This Limited Warranty does not cover and PIVOT shall not be liable for:

- 1) defects, damage, or other conditions caused, in whole or in part, by misuse, abuse, negligence, alteration, accident, freight damage, tampering, or failure to seek and obtain repair or replacement in a timely manner;
- 2) matching of color, grain, or texture except to commercially acceptable standards;
- 3) changes in color caused by natural or artificial light;
- 4) products which are not installed, used, and properly cleaned and maintained as required in the PIVOT "Installation" and/or "Installation/Operation" Manual for the applicable product;
- 5) products considered to be of a consumable nature, such as light bulbs and surge suppression products;
- 6) accessories or parts not manufactured by PIVOT;
- 7) charges by anyone (including PIVOT's authorized dealers) for adjustments, repairs, replacement parts, installation, or other work performed upon or in connection with such products which are not expressly authorized in writing in advance by PIVOT; and
- 8) costs and expenses of routine maintenance and cleaning; and
- 9) representations and warranties made by any person or entity other than PIVOT.
- 10) This Limited Warranty does not cover consumer products for the purpose of the Magnuson-Moss Warranty Act. 15 U.S.C. Sec. 2301 et seq. including without limitation, any refrigerator, freezer, range, oven, dishwasher, garbage disposal, exhaust fan, thermostat, equipment, doors, sinks, water heater, or



any of the appliances, equipment, fixtures, finishes, or similar items, except as may be required by any statutory warranty. All such items covered by a manufacturer's and supplier's warranties covering such consumer products are assigned to the Purchaser. PIVOT is not in any way, responsible or liable for the performance under any manufacture's or supplier's warranties.

- 11) This Limited Warranty does not cover routine maintenance, normal wear and tear, or conditions resulting from unreasonable use, misuse, negligence, and/or failure to provide reasonable and necessary maintenance in a timely manner.
- 12) This Limited Warranty does not cover maintenance items, defects resulting from improper maintenance, failure to maintain, misuse, abuse or failure of PIVOT to follow operating or care instructions.
- 13) This Limited Warranty does not cover defects in workmanship or materials supplied during the construction phase by anyone other than the PIVOT, its agents, employees and subcontractors acting on behalf of PIVOT.
- 14) This Limited Warranty does not cover defects or damage resulting from fires, floods, storms, the elements, electrical malfunctions, power outages, accidents or acts of God.
- 15) Any damage as a result of shipping, loading, unloading, moving or installation.

#### **EXCLUSIVE REMEDY; CONSEQUENTIAL DAMAGES DISCLAIMER**

PIVOT'S ONLY OBLIGATION UNDER THIS LIMITED WARRANTY IS THE REPAIR OR REPLACEMENT OF DEFECTIVE PARTS. PIVOT SHALL NOT BE LIABLE FOR AND HEREBY DISCLAIMS ANY DIRECT, SPECIAL, INDIRECT, INCIDENTAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES OR DELAYS, INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR INCOME, LOSS OF USE, DOWNTIME, COVER, AND EMPLOYEE OR INDEPENDENT PIVOT WAGES, PAYMENTS, AND BENEFITS.

#### **NO AUTHORIZATION**

No person or firm is authorized to create or approve for PIVOT any other obligation or liability in connection with the products.

#### WARRANTY DISCLAIMER

THIS LIMITED WARRANTY IS PIVOT'S ONLY WARRANTY AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. PIVOT MAKES NO IMPLIED WARRANTIES OF ANY KIND INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT OF DEFECTIVE PARTS. ALL IMPLIED WARRANTIES ARE LIMITED IN DURATION TO THE PERIOD OF THIS LIMITED WARRANTY



#### **STATUTE OF LIMITATIONS**

No Claim (defined below) may be brought against PIVOT for breach of this limited warranty, an implied warranty, if any, or for any other claim arising out of or relating to the products, more than ninety (90) following expiration of the limited warranty period. In the event multiple warranty periods exist with respect to a product, the ninety (90) day period provided for herein shall begin to run from expiration of the warranty period for the component to which the claim relates.

#### **DISPUTE RESOLUTION AND LIMITATION OF LITIGATION**

a. Agreement to Avoid Litigation. PIVOT and Purchaser agree to encourage the amicable resolution of disputes involving PIVOT's performance under this Limited Warranty, without the emotional and financial costs of litigation. Accordingly, each party hereto agrees that their claims, grievances or disputes (hereinafter referred to as "Claims" or "Claim") shall be resolved using the procedures set forth below. Any party having a Claim ("Claimant") against the other party ("Respondent") (collectively, the "Parties") shall notify the Respondent in writing (the "Notice") stating plainly and concisely; (1) the nature of the Claim, including the Persons involved and Respondents role in the Claim; (2) the legal basis of the Claim (i.e., the specific authority out of which the Claim arises); (3) the Claimant's proposed remedy; and that the Claimant will meet with the Respondent to discuss in good faith ways to resolve the Claim. b. Negotiations and Mediations. The Parties shall make every reasonable effort to meet in person and confer for the purpose of resolving the Claim by good faith negotiation. If the Parties do not resolve the Claim within 60 days of the date of the Notice (or within such other period as may by agreed upon by the Parties)(the "Termination of Negotiations"), Claimant shall have 30 additional days to submit the Claim to mediation to JAMS (www.jamsadr.com), who is an independent agency performing dispute resolution services in the metropolitan Atlanta area. The Parties shall divide the cost of the mediation, with each party paying half of the costs. If Claimant does not submit the Claim to mediation within 30 days after Termination of Negotiations, or does not appear for mediation, Claimant shall be deemed to have waived the Claim, and Respondent shall be released and discharged from any and all liability to Claimant on account of such Claim. Any settlement of the Claim through mediation shall be documented in writing by the mediator. If the Parties do not settle the Claim within 30 days after submission of the matter to the mediation process, or within such time as determined by the mediator, the mediator shall issue a notice of termination of the mediation proceedings (the "Termination of Mediation"). The Termination of Mediation notice shall set forth that the Parties are at an impasse and the date that the mediation was terminated.

c. Final and Binding Arbitration. Claimant shall have 15 days after the Termination of Mediation to submit the Claim to arbitration in accordance with O.C.G.A. §9-9-1. et. Seq., and the arbitration shall take place in metropolitan Atlanta, Georgia. Claimant will pay the cost of any filing fees for the arbitration. The arbitration shall be conducted by and in accordance with the rules and procedures promulgated by the Construction Arbitration Associates, Ltd. ("CAA"). In the event the CAA is unavailable



of unable to arbitrate the Claim, the Parties may agree to another professional arbitrator appointed in accordance with O.C.G.A. § 9-9-1 et. seq. If the Claim is not timely submitted to arbitration or if the Claimant fails to appear for the arbitration proceeding, the Claim will be deemed abandoned, and Respondent shall be released and discharged from any and all liability to Claimant arising out of such Claim. This subsection (c) is an agreement to arbitrate and is specifically enforceable under the applicable arbitration laws of the State of Georgia. The arbitration award (the "Award") shall be final and binding, and judgment may be entered upon it in any court of competent jurisdiction to the fullest extent permitted under the laws of the State of Georgia.

d. Cost. The Claimant shall pay any filing fees for the arbitration. Each party shall pay the fees and expense of its own counsel.

#### **MISCELLANEOUS**

a. This Limited Warranty is not renewable. Purchaser's rights and obligations under the Limited Warranty are personal and not transferable. This Limited Warranty may not be assigned or transferred upon resale or lease of the Property.

b. Purchaser's sole remedy under this Limited Warranty is the repair or replacement of any Defect. In no event, shall PIVOT's total liability hereunder exceed the purchase price of the PIVOT deliverables. The liability of Purchaser hereunder is expressly limited to the repair and replacement of the Defects. No responsibility is assumed for any secondary or consequential damage resulting from or arising out of any defect and nothing in this warranty shall render the Purchaser liable in any respect for any injury or damage to any persons or property by reason of any defects to the PIVOT's Property.

c. This Limited Warranty constitutes the entire agreement between Purchaser and PIVOT with respect to the subject matter hereof, and no representations, inducements, promises or agreements, oral or otherwise, not expressly set forth herein shall be of any force of effect. This Limited Warranty shall be governed by the laws of the State of Georgia.



# **APPENDIX** A

Equipment Cutsheets





# **APPENDIX B**

# Utility Cutsheets





Product data sheet Characteristics	QO324L125G Load center, QO, 3 phase, 24 spaces, 24 circuits, 125A fixed main lugs, NEMA1, gnd bar, UL
	Green Premium'
Reall	Main     QO       Product Type     Load Center       Cover Type     Order separately
Complementary Tightening Torque	Main lugs 50 lb.in, AWG 6AWG 2/0, aluminium/copper
Debt Convertible Maine (here)	Cover 20 lb.in Fixed Mains (lugs)
PoN Convertible Mains (lugs) Rated Current	125 A
Number of Spaces	24
Max Short Circuit Current Rating	65 kA
Maximum Number of Single Pole Circuits	24
Maximum Number of Tandem Breakers	0
Number of Phases	3 phase
Voltage Rating	208Y/120 V AC 240/120 V delta AC 240 V delta AC
Wire Size	AWG 6AWG 2/0 aluminium/copper
Ground Bar	Grounding bar included (not installed)
Electrical Connection	Lugs
Wiring Configuration	3-wire 4-wire
Busbar Material	Tin plated copper busbar
Enclosure Material	Welded sheet steel
Surface Finish Box Number	Baked enamel Gray 7
Height	20.91 in (531 mm)
Width	14.25 in (362 mm)
Environment	
Enclosure Rating	NEMA 1 indoor
Ambient Air Temperature for Operation	23 °F (-5 °C)
	104 °F (40 °C)
Product Certifications	Baked enamel Gray           7           20.91 in (531 mm)           14.25 in (362 mm)           NEMA 1 indoor           23 °F (-5 °C)           104 °F (40 °C)           UL Listed
Feb 10, 2023	



### Ordering and shipping details

00011-QO 3PH LOAD CENTER, INDOOR		
DE3		
785901295433		
Yes		
US		

### Packing Units

Unit Type of Package 1	PCE			
Number of Units in Package 1	1			
Package 1 Height	4.10 in (10.414 cm)			
Package 1 Width	14.60 in (37.084 cm)			
Package 1 Length	22.00 in (55.88 cm)			
Package 1 Weight	13.29 lb(US) (6.028 kg)			
Unit Type of Package 2	PAL			
Number of Units in Package 2	45			
Package 2 Height	40.00 in (101.6 cm)			
Package 2 Width	40.00 in (101.6 cm)			
Package 2 Length	48.00 in (121.92 cm)			
Package 2 Weight	599.00 lb(US) (271.702 kg)			

### Offer Sustainability

Sustainable offer status	Green Premium product				
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov				
REACh Regulation	REACh Declaration				
REACh free of SVHC	Yes				
EU RoHS Directive	Compliant CEU RoHS Declaration				
Toxic heavy metal free	Yes				
Mercury free	Yes				
RoHS exemption information	샵 <sup>7</sup> Yes				
China RoHS Regulation	China RoHS Declaration				
Environmental Disclosure	Product Environmental Profile				

### Contractual warranty

Warranty

18 months

2

Lifets On Schneider

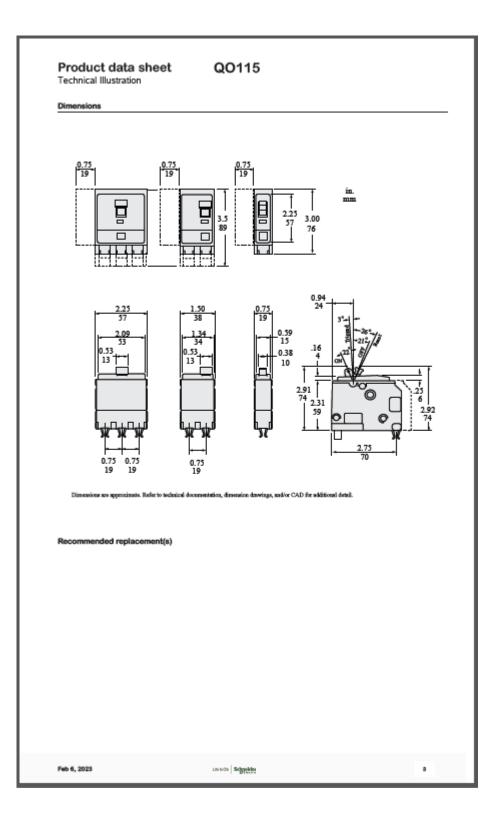


Product da	ta sheet	
SQUARE D MGreen Premium	Mini circuit breaker, QO, 15A, 1 pole, 120/240VAC, 10kA, plug in mount <sup>Q0115</sup> Product availability : Stock - Normally stocked in distribution facility <b>Price* : 29.10 USD</b>	
Main		
Product	Ministure circuit-breaker	
Range	QO	
Current Rating	15 A	
Voltage Rating	120/240 V AC 120 V AC	
Mounting Type	Ptug-in	
Number of Poles	1P	
Circuit Breaker Type	Sten dard	
Ratings	HACR and Switching Duty rated	
Electrical Connection	Pressure plate	
Complementary		
Interrupt Rating	10 kA 120240 V AC 50/80 Hz 10 kA 120 V AC 50/80 Hz	
Number of Panel Spaces	1	
Wire Size	AWO 14., AWO 8 copper or eluminium	
Tightening Torque	44.25 Bf in (5 N.m) 0.020.4 in* (1025 mm*) (AWO 8AWO 2)	
Height	2.99 in (76 mm)	
Width	0.75 in (19 mm)	
Depth Net Weight	2.91 in (74 mm) 0.30 lb(U6) (0.136 kg)	
Hut Hugh		
Environment		
Certifications	UL Listed OSA	
Ambient Rating	104 °F (40 °C)	
Ordering and shipping		
Category	05004-QO,QOT 10-30A 1P;10-80A 2P	
Discount Schedule	DE2A	
* Price is *List Price* and may be	subject to a trade discount - check with your local distributor or retailer for actual price.	



	Terrar				
GTIN	785901400068				
Returnability	Yes				
Country of origin	US				
Packing Units					
Unit Type of Package 1	POE				
Number of Units in Package 1	1				
Package 1 Height	3.00 in (7.62 cm)				
Package 1 Width	0.70 in (1.778 cm)				
Package 1 Length	3.30 in (8.382 cm)				
Package 1 Weight	4.80 oz (136.078 g)				
Unit Type of Package 2	881				
Number of Units in Package 2	10				
Package 2 Height	3.30 in (8.382 cm)				
Package 2 Width	0.70 in (1.778 cm)				
Package 2 Length	7.70 in (19.568 cm)				
Package 2 Weight	2.74 (b(U6) (1.243 kg)				
Unit Type of Package 3	CAR				
Number of Units in Package 3	100				
Package 3 Height	8.20 in (20.828 cm)				
Package 3 Width	6.70 in (17.018 cm)				
Package 3 Length	17.40 in (44.196 cm)				
Package 3 Weight	28.60 lb(US) (12.973 kg)				
Offer Sustainability	Green Premium product				
Sustainable offer status					
EU RoHS Directive	REACh Declanition				
ED Hons Directive	Compliant EU RollS Declaration				
Toxic heavy metal free	Yes				
Mercury free	Yes				
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information.				
RoHS exemption information	Yes				
Halogen content performance	Helogen free product				
Contractual warranty					
Contractual warranty Warranty	18 monfite				
	18 months				
	18 months				
	18 months				
	18 montha				
	18 ៣៣៣៖				
	18 months				
	18 months				







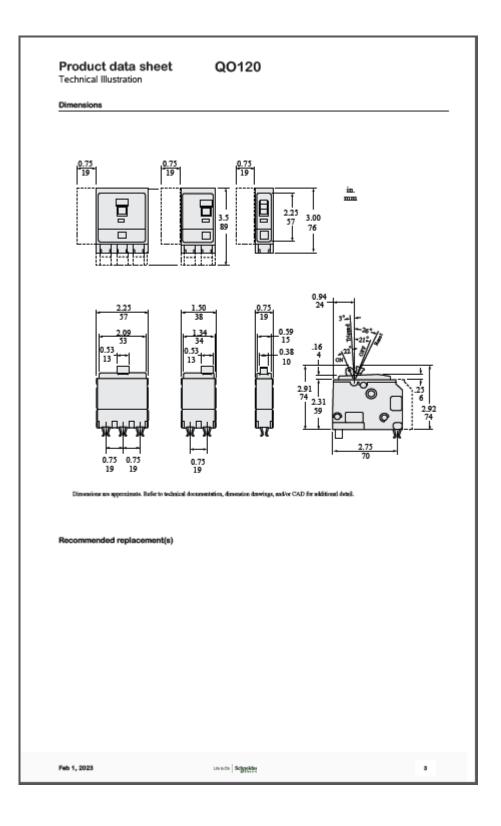
## SquareD Circuit Breaker QO120

Product da	ata sheet	
SQUARE D	Mini circuit breaker, QO, 20A, 1 pole, 120/240VAC, 10kA, plug in mount <sup>Q0120</sup> Product availability : Stock - Normally stocked in distribution facility Price* : 29.10 USD	
Main		
Product	Ministure circuit-breaker	
Range	90	
Current Rating	20 A	
Voltage Rating	120/240 V AC 120 V AC	
Mounting Type	Plug-in	
Number of Poles	1P	
Circuit Breaker Type	Sten derd	
Ratings	HACR and Switching Duty rated	
Electrical Connection	Pressure plate	
Complementary Interrupt Rating	10 kA 120/240 V AC 50/80 Hz 10 kA 120 V AC 50/80 Hz	
Number of Panel Spaces	1	
Wire Size	AWO 14. AWO 8 copper or eluminium	
Tightening Torque	44.25 lbf.in (5 N.m) 0.020.04 in* (1025 mm*) (AWO 8AWO 2)	
Height	2.99 in (76 mm)	
Width	0.75 in (19 mm)	
Depth	2.91 in (74 mm)	
Net Weight	0.25 lb(US) (0.113 kg)	
Environment		
Certifications	UL Linted CSA	
Ambient Rating	104 °F (40 °C)	
Ordering and shipping	details	
Category	00004-QO,QOT 10-30A 1P;10-80A 2P	
Discount Schedule	DE2A	
* Price is *List Price* and may b	e subject to a trade discount - check with your local distributor or retailer for actual price.	



GTIN	785901400103			
Returnability	Yes			
Country of origin	US			
Problem Heite				
Packing Units Unit Type of Package 1	PGE			
Number of Units in Package 1	1			
Package 1 Height	3.30 in (8.382 cm) 0.80 in (2.032 cm) 3.00 in (7.82 cm)			
Package 1 Width				
Package 1 Length				
Package 1 Weight	4.32 oz (122.47 g)			
Unit Type of Package 2	881			
Number of Units in Package 2	10			
Package 2 Height	3.10 in (7.874 cm)			
Package 2 Width	3.00 in (7.62 cm)			
Package 2 Length	7.70 in (19.558 cm)			
Package 2 Weight	2.83 lb(U6) (1.284 kg)			
Unit Type of Package 3	CAR			
Number of Units in Package 3	100			
Package 3 Height	8.50 in (21.59 cm)			
Package 3 Width	7.20 in (18.288 cm)			
Package 3 Length	17.40 in (44.198 cm)			
Package 3 Weight	28.60 lb(US) (12.973 kg)			
Offer Sustainability				
Sustainable offer status	Green Premium product			
	REACh Declaration			
REACh Regulation	Compliant			
REACh Regulation EU RoHS Directive	Compliant EU Rents Declaration			
-				
EU RoHS Directive	EU RollS Declaration			
EU RoHS Directive Toxic heavy metal free	EU RollS Declandion Yes			
EU RoHS Directive Toxic heavy metal free Mercury free	EU Roll'S Declandion Yes Yes China Roll'S declaration			
EU RoHS Directive Toxic heavy metal free Mercury free China RoHS Regulation	EU Roll'S Declaration Yes Yes China Roll'S declaration Product out of China Roll'S scope. Substance declaration for your information.			
EU RoHS Directive Toxic heavy metal free Mercury free China RoHS Regulation RoHS exemption information	EU RoHS Declaration Yes Yes China RoHS declaration Product out of China RoHS scope. Substance declaration for your information. Yes			
EU RoHS Directive Toxic heavy metal free Mercury free China RoHS Regulation RoHS exemption information Halogen content performance Contractual warranty	EU RoHS Declaration Yes Yes China RoHS declaration Product out of China RoHS scope. Substance declaration for your information. Yes			
EU RoHS Directive Toxic heavy metal free Mercury free China RoHS Regulation RoHS examption information Halogen content performance	EU RoHS Declaration Yes Yes China RoHS declaration Product out of China RoHS scope. Substance declaration for your information. Yes Halogen free product			
EU RoHS Directive Toxic heavy metal free Mercury free China RoHS Regulation RoHS exemption information Halogen content performance Contractual warranty	EU RoHS Declaration Yes Yes China RoHS declaration Product out of China RoHS scope. Substance declaration for your information. Yes Halogen free product			





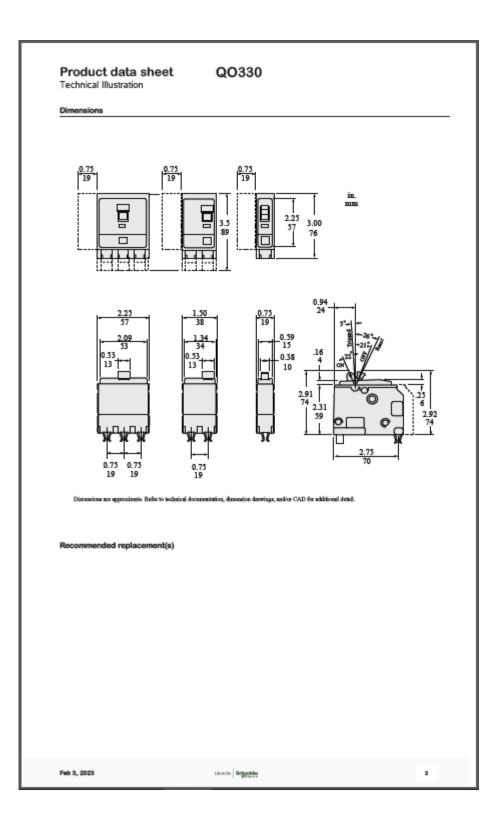


Product dat	a sheet
SQUARE D	Mini circuit breaker, QO, 30A, 3 pole, 120/240VAC, 10kA, plug in mount a0330 Product availability : Stock - Normally stocked in distribution facility Price* : 248.00 USD
Main	
Product	Ministure circuit-breaker
Range	Q0
Current Rating	30 A.
Voltage Rating	120/240 V AC 240 V AC 120 V AC
Mounting Type	Plug-in
Number of Poles	3P
Circuit Breaker Type	Standard
Ratings	HACR rated
Electrical Connection	Pressure plate
Complementary	
Interrupt Rating	10 kA 1202040 V AC 50/80 Hz 10 kA 340 V AC 50/80 Hz 10 kA 120 V AC 50/80 Hz
Number of Panel Spaces	3
Wire Size	AWO 14AWO 8 copper or siuminium
Tightening Torque	44.25 lbf.in (5 N.m) 0.020.04 in* (1025 mm*) (AWO 8AWO 2)
Height	2.99 in (76 mm)
Width	2.24 in (57 mm)
Depth	2.91 in (74 mm)
Net Weight	0.90 b(US) (0.405 kg)
Environment	
Certifications	UL Listed CSA
Ambient Rating	104 °F (40 °C)
Ordering and shipping d Category	00012-QO 3 POLE CIRCUIT BREAKER
Discount Schedule	DE2A
	ubject to a trade discount - check with your local distributor or retailer for actual price.



0710	785901400721			
GTIN				
Returnability	Yes			
Country of origin	MX			
Packing Units				
Unit Type of Package 1	POE			
Number of Units in Package 1	1			
Package 1 Height	3.00 in (7.62 cm) 2.20 in (5.563 cm)			
Package 1 Width				
Package 1 Length	3.30 in (8.362 cm)			
Package 1 Weight	14.39 oz (408.0 g)			
Unit Type of Package 2	881			
Number of Units in Package 2	3			
Package 2 Height	3.70 in (9.398 cm)			
Package 2 Width	2.20 in (5.588 cm)			
Package 2 Length	7.10 in (18.034 cm)			
Package 2 Weight	2.55 lb(US) (1.157 kg)			
Unit Type of Package 3	CAR			
Number of Units in Package 3	36			
Package 3 Height	3.70 in (9.398 cm)			
Package 3 Width	14.40 in (36.578 cm)			
Package 3 Length	21.70 in (55.118 cm)			
Package 3 Weight	30.70 h(US) (13.925 kg)			
Offer Sustainability				
Offer Sustainability Sustainable offer status	Green Premium product			
REACh Regulation	REACh Declaration			
EU RoHS Directive	Compliant			
	EU RoHS Declaration			
Toxic heavy metal free	Yes			
Mercury free	Yes			
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration	on for your information.		
RoHS exemption information	Yes			
Halogen content performance	Helogen free product			
Contractual warranty Warranty	18 months			
warranty	10 months			







# LEVIT<mark>ON</mark>.



Color: White

UPC Code: 07847781545 Country Of Origin: United States



Brand Features Leviton's line of Heavy-Duty Specification Grade receptacles are designed and manufactured to withstand the most demanding environments. Available in a wide variety of configurations, including isolated ground, tamper-resistant, etc., these Commercial Grade devices are the electrical contractor's choice for use in hotels, schools, hospitals and commercial office buildings.

### Item Description

**CR20-W** 

20 Amp, 125 Volt, NEMA 5-20R, 2P, 3W, Narrow Body Duplex Receptacle, Straight Blade, Commercial Grade, Self Grounding, , , Side Wired, Steel Strap, - White

### Technical Information

AC Horsepower Ratings At Rated Voltage: 1 HP

Electrical Specifications Grounding: Self-Grounding Amperage: 20 Amp

Voltage: 125 Volt

Pole: 2-Pole Wire: 3-Wire

Dielectric Voltage: Withstands 2000V per UL498

Current Limiting: Full Rated Current Temperature Rise: Max 30C after 100 cycles OL at 150 percent rated current

Environmental Specifications Standards a Flammability: Rated V-2 per UL94 NEMA: WD-Operating Temperature: -40C to 60C ANSI: C-73

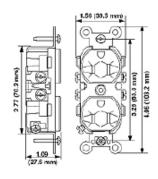
Material Specifications Face Material: Thermoplastic Body Material: Thermoplastic Line Contacts: Brass. 031 Thick Terminal Screws: Steel 8-32 Grounding Screw: Steel 8-32 Strap Material: Zino-Plated Steel Ground Clips: Brass Mechanical Specifications Terminal ID: Brass-Hot, Green-Ground, Silver-Neutral Terminal Accom.: 14-10 AWG Product ID: Ratings are permanently marked on device Termination: Side Wire

Product Features Color: White NEMA: 5-20R Device Type: Duplex Receptacle Outlet Feature 4: Indented Face Grade: Commercial Specification Grade

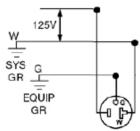
Standards and Certifications NEMA: WD-1 & WD-6 ANSI: C-73 UL498: File E13399 CSA C22.2 No. 42: File 152105 NOM: 057 Warranty: 10 Year Limited



### **Dimensional Diagram**









SPECIFICATION SUBMITTAL

JOB NAME:	CATALOG NUMBERS:
JOB NUMBER:	

Leviton Manufacturing Co., Inc. 201 North Service Road, Melville, NY 11747 Teléfono: +1-800-323-8920 · FAX: +1-800-832-9538 · Tech Line (8:30AM-7:30PM E.S.T. Monday-Friday): +1-800-824-3005

Leviton Manufacturing of Canada, Ltd. 165 Hymus Boulevard, Pointe Claire, Quebec H9R 1E9 · Telephone: +1-800-469-7890 · FAX: +1-800-824-3005 · www.leviton.com/canada

Leviton S. de R.L. de C.V. Lago Tana 43, Mexico DF, Mexico CP 11290 · Tel.: (+52)55-5082-1040 · FAX: (+52)5386-1797 · www.leviton.com.mx

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## Levlok GFCI MGFN2-W Receptacle



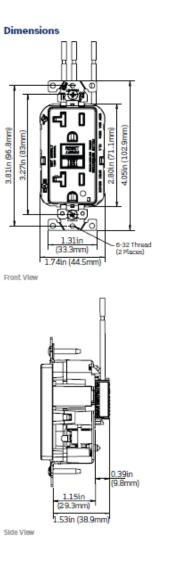


### Ordering Information (Continued)

Lev-Lok Receptacle Modules, 20A, 125V	Module Color	Wire Type	Wire Colors	Catalog Numbers
Stranded Wire Leads	White	THHN	Black, White, Green	MSTWL-A
Stranded Wire Leads for Emergency Circuits	Red	THHN	Black, White, Green	MSTWL-R
late: Solid Wire and Push Wire Connector Versions Available				

### Specifications

Description	Lev-Lok GFCI Duplex Receptacles Hospital & Industrial Grade			
Horsepower Rating				
At Rated Voltage	1 HP			
Electrical Specifications				
Amperage	15A or 20A			
Voltage	125VAC			
NEMA	5-15R or 5-20R			
Grounding	Self Grounding			
Pole	2			
Wire	3			
Dieelectric Voltage	Withstands 1250VAC per UL 943 and CSA-C22.2 No. 144.1-06			
Short Circuit Current Rating	2KA			
Trip Level	Class A, 5mA plus or minus 1mA			
Temperature Rise	Max 30 °C after 250 cycles OL at 200 percent rated current			
Environmental Specification	5			
Flammability	Rated V-0 per UL94			
Relative Humidity	20% to 90% non-condensing			
Operating Temperature	-35 °C to 66 °C			
Material Specifications				
Face Material	PBT			
Body Material	Polycarbonate			
Line Contacts	Brass			
Mounting Screws	Plated Steel			
Grounding Screw	Plated Steel			
Strap Material	Galvanized Steel			
Ground Clip	Brass			
Locking Pin	Brass			
Mechanical Specifications				
Product ID	Ratings permanently marked on device			
Line Side Termination	Wiring Module			
Load Side Termination	14-10AWG Solid or Stranded			
Standards & Certifications				
NEMA	WD-1 & WD-6			
Certification/Listing	UL, NOM-ANCE			
Applicable Standards	UL 498 and 943, CSA C22.2 Nos. 42 and 144, FedSpec W-C-59			
Guarantees				
Product Warranty	2 Year Limited			



Visit our Website at: <u>www.leviton.com/industrial</u> email: <u>industrial@leviton.com</u> Q-901 Leviton Manufacturing Co., Inc. 201 N Service Rd, Melville, NY 11747 Telephone: 1-800-323-8920 • FAX: 1-800-832-9538 Tech Line (8:30AM-7:30PM E.S.T. Monday-Friday): 1-800-824-3005 © 2014 Leviton Manufacturing Co., Inc. All rights reserved. 052114





## Pin and Sleeve

Watertight Devices Ordering Information 60 and 100 Ampere – North American Ratings 63 and 125 Ampere – International Ratings

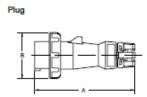
Poles and Amps         Configuration Recept/Plug Conn         Voltage         Receptacle         Plug Plug         Connector         Iniet         Non-Metallic Metal Non-Metallic Metal           60         2P 3W         Image         Image         Image         Image         Image         Image         Image         Image         Image         Non-Metallic Metal           60         2P 3W         Image         Image         Image         Image         Image         Image         Image         Image         Image         Non-Metallic Metal           2P 3W         Image         Im	N N360AF I N N360BF I N N360BF I N N360BF I N N460CF I	Plugs Inlets N360AN N360BN
60         2P 3W         60         125         HBL360F4W         HBL360F4W         HBL360F4W         HBL360F4W         HBL360F6W         HBL360F7W	N N360AF I N N360BF I N N360BF I N N360BF I N N460CF I	N360A) N360BI
2P 3W         Image: System         250         HBL36076W         HBL36076W         HBL36066W         BB60N         BB60	N N3606F I N N3606F I N N460CF I	
3P 4W O 125250 HBL460R12W HBL460P12W HBL450C12W HBL450B12W BB50N BB50N 3P 4W O 30250 HBL460R9W HBL450P9W HBL450C9W HBL450B9W BB50N BB50N	N N460CF I	N36081
3P 4W 🔊 30250 HBL460R9W HBL460C9W HBL460C9W BB60N BB60N BB60N		
3P 4W 🛞 🛞 30250 HBL460R9W HBL460P9W HBL460C9W HBL460B9W BB60N BB60N BB60N	N	N460CI
		N460DI
3P 4W 🚯 🚯 HBL460R7W HBL460P7W HBL460C7W HBL460B7W BB60N BB60N BB600		N460DI
3P4W 🚱 🚱 30500 HBL460R5W HBL460P5W HBL450C5W HBL450B5W BB60N BB60N BB602		N460DI
4P 5W 🚱 🚱 अ97120/208 HBL560R9W HBL560C9W HBL560C9W HBL560B9W BB60N BB60N BB600	N	N560EN
4P 5W 🚱 🥸 3097277480 HBL560R7W HBL560P7W HBL560C7W HBL560B7W BB60N BB60N BB600	N IN560EF I	N560EN
4P 5W 🚱 🚱 3073477600 HBL560R5W HBL560P5W HBL560C5W HBL560B5W BB60N BB60N BB602	N	N560EN
63 2P 3W 😧 220-240 HBL363R6W HBL363P6W HBL363C6W HBL363B6W BB60N BB60N BB600	N	N360B1
3P4W O 380-415 HBL463R6W HBL463P6W HBL463C6W HBL453C6W BB60N BB60N BB600		N460DI
4P 5W 🚱 🚱 220380 240415 HBL56376W HBL56376W HBL563C6W HBL56386W BB60N BB60N BB602	N	N560E
100 2P 3W 🚱 🚱 125 HBL3100R4W HBL3100P4W HBL3100C4W HBL3100B4W BB100N BB100 BB100	2W	N3100A
2P 3W 🚱 🚱 250 HBL3100R6W HBL3100P6W HBL3100C6W HBL3100B6W BB100N BB100 BB100	2W	N3100E
2P 3W 🚱 🚯 480 HBL3100R7W HBL3100P7W HBL3100C7W HBL3100B7W BB100N BB100 BB100	2W	N3100E
3P 4W O O 125/250 HBL4100R12W HBL4100P12W HBL4100C12W HBL4100B12W BB100N BB100 BB100	2W	N41000
3P 4W 🛞 🛞 19250 HBL4100R9W HBL4100P9W HBL4100C9W HBL4100B9W BB100N BB100 BB100	2W	N41000
3P4W O 0 100 HBL4100R7W HBL4100P7W HBL4100C7W HBL4100B7W BB100N BB100N BB100	2W	N41000
3P 4W 🚱 🚱 30500 HBL4100R5W HBL4100P5W HBL4100C5W HBL4100B5W BB100N BB100 BB100	2W	N41000
4P 5W 3307120/2008 HBL5100R9W HBL5100C9W HBL5100C9W HBL5100B9W BB100N BB100 BB100	2W	N5100E
4P 5W 387277480 HBL5100R7W HBL5100P7W HBL5100C7W HBL5100B7W BB100N BB100 BB100	2W	N5100E
4P 5W 397347/600 HBL5100R5W HBL5100C5W HBL5100C5W BB100N BB100 BB100	2W	N5100E
125 2P 3W O O 220-240 HBL3125R6W HBL3125R6W HBL3125C6W HBL312586W BB100N BB100 BB100	2W t	N3100B †
3P 4W         Image: Constraint of the state of the	2W	N41000
	IW INS100EFS I	N5100E

Pin and Sleeve

Watertight Pin and Sleeve

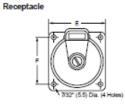
# Pin and Sleeve Watertight Device Dimensions

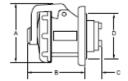
Туре	Α	В	Cord Grip Range
HBL320P	6.61"	2.87"	.330"830"
	(167.8)	(73.0)	(8.4-21.1)
HBL420P	7.00"	3.19"	.375"-1.250"
	(177.8)	(81.0)	(9.5-31.8)
HBL520P	7.65*	3.50"	.375"-1.250"
	(194.3)	(89.0)	(9.5-31.8)
HBL330P	8.05"	3.74"	.375"-1.250"
	(204.5)	(95.0)	(9.5-31.8)
HBL430P	8.05"	3.74"	.375"-1.250"
	(204.5)	(95.0)	(9.5-31.8)
HBL530P	8.54"	4.02"	.500"-1.450"
	(216.9)	(102.0)	(12.7-36.8)
HBL360P HBL460P HBL560P	10.15" (257.8)	4.49" (114.0)	.500"-1.450" (12.7-36.8)
HBL3100P HBL4100P HBL5100P	12.63" (320.8)	4.92" (125.0)	1.065"-1.940" (27.1-49.3)



Pin and Sleeve

Receptac	le Dimer	nsions				
Туре	Α	В	С	D	E	F
HBL320R	3.33"	2.78"	1.02"	2.72"	3.75"	3.13"
	(84.5)	(70.6)	(26.0)	(69.0)	(95.3)	(79.5)
HBL420R	3.66"	2.78"	1.02"	2.72"	3.75"	3.13"
	(93.0)	(70.6)	(26.0)	(69.0)	(95.3)	(79.5)
HBL520R	3.94"	2.78*	1.02"	2.72*	3.75"	3.13"
	(100.0)	(70.6)	(26.0)	(69.0)	(95.3)	(79.5)
HBL330R	4.27"	3.09"	1.16"	2.72*	3.75"	3.13"
	(108.5)	(78.5)	(29.5)	(69.0)	(95.3)	(79.5)
HBL430R	4.27"	3.09*	1.16"	2.72*	3.75"	3.13"
	(108.5)	(78.5)	(29.5)	(69.0)	(95.3)	(79.5)
HBL530R	4.70"	3.09"	1.16"	2.83*	3.75"	3.13"
	(119.4)	(78.5)	(29.5)	(71.9)	(95.3)	(79.5)
HBL360R, HBL460R, HBL560R	5.71" (145)	4.23" (107.4)	1.69" (43.0)	3.46" (88.0)	4.50" (114.3)	3.88" (98.6)
HBL3100R, HBL4100R, HBL5100R	5.71" (145)	4.23" (107.4)	2.46" (62.5)	3.94" (100.0)	5.50" (139.7)	4.88" (123.9)





Note: 20, 30, 60 and 100A devices are dimensionally equivalent to 16, 32, 63 and 125A devices, respectively.

Dimensions in Inches (mm)

www.hubbell-wiring.com

HUBBELL Wiring Device-Kellems

E-9



Watertight Pin and Sleeve

Pin and Sleeve

Listed to standard UL1682/CSA C22.2	Watertight Materials	
No. 182.1, Plugs, Receptacles and cable connectors of the Pin and Sleeve Type.	Part Inlet	Material
UL Classified to IEC Standards 60309-1 and 60309-2 (Plugs, Socket Outlets, and Couplers for Industrial Purposes) for both Series I (European) and Series II (North American) rated voltages and services.	Housing Locking Ring Mounting Range Mounting Screws Contact Carrier Retainer	Zytel® 101 Nylon Rynite® SST35 Zytel 101 Nylon Stainless Steel (300 Series) High-Impact Thermoset High-Impact Thermoset
When used with cord, these devices require no further investigation by UL for	Ground, Phase Pins Terminal Screws Assembly Screws (2) Gaskets	Brass Stainless Steel (300 Series) Stainless Steel (300 Series) Solid Neoprene
equipment Classification to IEC 435 or IEC 380.	Connector Body	
	Housings Cord Clamps Glands Cover Arms Arm Springs Cover Screw Rotating Sealing Disc Gaskets Contact Carrier Retainer Phase, Ground Sleeves Sleeve Spring	Zytel ST801 Nylon Rymite SST35 Solid Neoprene Rymite SST35 Stainless Steel (17-7 type) Rymite SST35 Nickel-plated brass Polycarbonate Solid Neoprene High-Impact Thermoset High-Impact Thermoset Brass 20A and 30A Stainless Steel (300 Series); others
	Terminal Screws Assembly Screws	are Beryllium Copper multi-contact inserts w/silver plating Stainless Steel (300 Series) Stainless Steel (300 Series)
	Plug	
	Housing Locking Ring Sealing Gasket Cord Clamp Gland Cap Gland Cord Clamp Screws Clamp Nut Gland Clamp Screws Contact Carrier Retainer Retainer Ground, Phase Pins Terminal Screws Assembly Screws	Zytel ST801 Nylon Rynite SST35 Solid Neoprene Rynite SST35 Rynite SST35 Solid Neoprene Stainless Steel (300 Series) Nickel-plated Brass Stainless Steel (300 Series) High-Impact Thermoset High-Impact Thermoset Brass Stainless Steel (300 Series) Stainless Steel (300 Series)
	Receptacle Housings	Zytel 101 Nylon
	Mounting Range Arm Spring Cover Arm Cover Cover Screw Rotating Sealing Disc Gaskets Mounting Screws Terminal Screws Phase, Ground Sleeves Sleeve Spring	Zytei 101 Nylon Stainless Steel (17-7 type) Rymite SST35 Rymite SST35 Nickel-plated brass Polycarbonate Solid Neoprene Stainless Steel (300 Series) Stainless Steel (300 Series) Brass 20A and 30A Stainless Steel (300 Series); others are Beryflium Copper multi-contact inserts w/silver plating



Pin and Sleeve Watertight Specificatio	n
Specifications	
Typical Specification	
Manufacturer's Identification Description	Hubbell HBL520P9W. Plug, Power Supply.
Type	3 Pole + Neutral + Earth
Rating	20A, 120/208V AC, 3 Phase WYE. UL 1686 C2, IEC 60309-2, Clock Position 9, Watertight.
Configuration Certification	UL Listed, File E146032 Receptacles & Inlets, E146033 Plugs & Connectors,
	UL Standard UL1682 & UL 1686C2, CSA Certified File LR280C for
	Plugs, Connectors Inlets and LR285C for Receptacle CSA Standard C22.2 No. 182.1, UL Classified to IEC 60309-1 IEC 60309-2.
Performance	
Electrical	
Dielectric Withstand Voltage	3000V AC.
Max. Working Voltage	600V RMS (i.e., minimum creepage distance 10 millimeters, minimum clearance 8 millimeters, per IEC 60309-1 for devices rated over 500V).
Current Interrupting	Certified for current interrupting at full rated current.
Temperature Rise	Max. 30°C temperature rise at full rated current after 50 cycles of overload at 150% of rated current at a power factor of 75%.
Endurance	5,000 connect and disconnect cycles with load for 16A and 20A, 4,000 public with load and 1,000 public with load for 30A, 20A, 60A and 62A
	1,000 cycles with load and 1,000 cycles w/o load for 30A, 32A, 60A and 63A, and 250 cycles with load and 250 cycles w/o load for 100A and 125A.
Mechanical	
Impact Resistance Cord Grip Cable Retention	Per CSA C22.2 No. 182.1 / UL1682. Per CSA C22.2 No. 182.1 / UL1682.
Cord Accommodation	Round portable service cords of diameters commensurate with the device rating
	as defined in UL Standard 62, CSA C22.2 No. 49 and the harmonized <har> European Standards.</har>
Terminal Identification	Terminals identified in accordance with North American and IEC conventions.
Product Identification Environmental	Identification and ratings are a permanent part of the device housing.
Moisture Resistance	Watertight per IEC 60309-1.
Ingress Protection	IP67 Süitability
Flammability Operating Temperatures	HB or better per UL 94 or CSA C22.2 No. 0.17. Maximum Continuous 75° C;
operating remperatures	Minimum - 40°C w/o impact.
Materials Housings	Nylon.
All other materials	Resistant to corrosion and chemical attack (per tabulation on this page).
Note: Specification sheets for all other Pin	and Sleeve catalog numbers are available upon request.
Watertight Application Guide	
Industry	Watertight
Agriculture Chemical Processing	Outdoor for fans, heaters, pumps, etc. Where subject to water, corrosion and rough use.
Construction	Outdoors subject to severe weather conditions.
Entertainment Food Processing	Outdoors subject to severe weather. Where subject to water, corrosion and rough use.
Food Service	Areas subject to wash downs & heavy cleaning.
Light Manufacturing Manufacturing	Subjected to cleaning, solvents & chemicals. Where subject to water, corrosion and rough use (i.e., mills).
Military	Outdoor construction or maintenance subject to severe weather.
Dimensions in Inches (mm)	www.hubbell-wiring.com HLIEBELL Wiring Device-Kellems E-11



# **Bosch Tronic 3000 T** | ES8, ES4, ES2.5 Point-of-Use Electric Mini-Tank Water Heaters

### Hot Water Where You Need It

The Bosch Tronic 3000 T point-of-use electric mini-tanks are available in three sizes which can be wall-hung (bracket included) or floor-mounted.

Easy installation. Simply tap into the cold water line, provide electrical connection and install the water heater directly at the sink. Can be used alone to provide a small volume of water or installed inline with a central water heater near the point-of-use to eliminate the wait for hot water.

Technical Specifications	ES8	ES4	E\$2.5	
Part Number	7738004998	7738004997	77 38004996	
Thermal Efficiency	98%	98%	98%	
Tank Volume (gal)	7	4	2.7	
Heating Capacity, Watts	1440	1440	1440	
Recovery Rate @ 90°F Rise, GPH	6.8	6.8	6.8	
Temperature Range (°F)	65 - 145	65 - 145	65 - 145	
Max Operating Pressure (psi)	150	150	150	
Weight (lbs)	29.5	17.3	15.5	
Dimensions (in)	17% x 17% x 14%	13% × 13% × 13%	13% × 13% × 10%	
Water Fittings	%" Male NPT	%" Male NPT	%" Male NPT	
Relief Valve	Included	Installed	Installed	
Electrical Requirements	8			
Volts (VAC)	120	120	120	
Amps	12	12	12	
Connection Type	Hard Wired	Plug-In	Plug-In	



### Features

- Supplies up to 2 sinks at a time (ES8 model)
- Provides hot water guickly at point-of-use
- Compact, lightweight, space saving
- Thick CFC-free foam insulation maximizes energy efficiency
- Units can be wall / floor mounted (bracket included) with multi-directional mounting available (ES8 model only)
- Temperature / pressure relief valve included
- Glass-lined tank for long service life •
- Models ES2.5 and ES4 have a simple 120 VAC plug-in connection
- 6 year limited warranty<sup>8</sup>

<sup>6</sup> Copies of original warranties in their entirety are available at www.boschheatingandcooling.com





### Liberty Condensate Pump (Model# LCU-15)

## **Liberty Pumps**<sup>•</sup> CU-Series Condensate Pumps For removal Model Shallow Tank Height 1-3/4" of condensate Shallow Pan LCU-SP20S, from high LCU-SP220S with Safety Switch Feature 20' head, efficiency furnaces, 115V or 230V A/C equipment, ice machines, drinking fountains, beverage machines, dehumidifiers and other applications requiring condensate removal. Model LCU-20S, LCU220S with Safety Switch Feature 20' head, 115V or 230V Year Warranty)

Model LCU-15,

LCU-155 includes Safety Switch, 15' head, 115V



evolve.

# **LCU-Series Condensate Pumps Specifications**

Model	Volt	hp.	Amps	Hz.	н	L	w	Wgt.	Capacity	Max hd	Safety Switch	20' Tubing
LCU-15	115	1/50	1.0	60	6.5"	11-1/8"	5"	4.5 lbs	2 US Qt.	15'	No	No
LCU-15S	115	1/50	1.0	60	6.5"	11-1/8"	5"	4.5 lbs	2 US Qt.	15'	Yes	No
LCU-15T	115	1/50	1.0	60	6.5"	11-1/8"	5"	5.5 lbs	2 US Qt.	15'	No	Yes
LCU-15ST	115	1/50	1.0	60	6.5"	11-1/8"	5"	5.5 lbs	2 US Qt.	15'	Yes	Yes
LCU-20S	115	1/30	1.5	60	6.5"	11-1/8"	5"	5.0 lbs	2 US Qt.	20'	Yes	No
LCU-20ST	115	1/30	1.5	60	6.5"	11-1/8"	5"	6.0 lbs	2 US Qt.	20'	Yes	Yes
LCU220S	230	1/30	0.7	60	6.5"	11-1/8"	5"	5.0 lbs	2 US Qt.	20'	Yes	No
LCU-SP20S	115	1/30	1.5	60	5"	11-1/8"	5"	4.5 lbs	1 US Qt.	20'	Yes	No
LCU-SP220S	230	1/30	.7	60	5"	11-1/8"	5"	4.5 lbs	1 US Qt.	20'	Yes	No

### FEATURES:

- High impact ABS tank
- Wall mounts
- Three intake holes
- 3/8" O.D. outlet
- Barbed and threaded discharge connection
- Removable check valve
- Stainless steel shaft
- 6' power cord with ground
- Thermally protected
- Fully automatic

Model LCU-15

Model LCU-15S

- Quiet operation
- Models with an "S" include
- built-in safety switch
- Isolation pads pre-installed on tank

### Applications Include:

- High efficiency furnaces
- · AC equipment, ice machine
- Drinking fountains
- Dehumidifiers
- And other applications requiring condensate removal

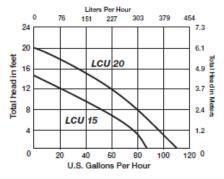
Maximum fluid temperature for LCU models: 150° F

Models with a "T" include 20' of tubing



Model LCU-20S (115V)

### **Performance Curve:**



Shallow Pan Models: LCU-SP20S (115V)





Specifications are subject to change without notice.

Model LCU220S (230V)

LCU-SP2205 (230V)

Liberty Pumps • 7000 Apple Tree Avenue • Bergen, New York 14416 • Phone 800-543-2550 Fax (585) 494-1839 Copyright © Liberty Pumps, Inc. 2014 All rights reserved. LLIT2200-R04/14 www.libertypumps.com



## Liberty Drain Pump (Model# 405)

**Liberty Pumps**<sup>•</sup>

# Model 405

## Commercial Drain Pump High-Head High Temperature 1/2 hp 3/8" solids-handling

Featuring QuickTree® technology for easy switch access!

Features

 Factory pre-assembled, ready to install

Fully automatic operation
 Handles fluid temperatures to 180
 degrees F. foot designed for use with chamicals.)
 Separate access cover for easy
 switch inspection

 2" inlet and 2" vent
 2" discharge
 Integrally molded rubber gasket for a superior gas-tight seal

 Standard alarm and Wi-Fi alarmed models available

Applications Include:

Bar sinks, laundry trays, multi-compartment utility sinks, dehumidifiers, dishwashers and grav wastewater drainage below gravity lines



Year Warranty



Energy aving! Model,

## MODEL 405 & 405HV COMMERCIAL DRAIN PUMP

### FEATURES:

- · Factory pre-assembled.
- Fully automatic operation.
- QuickTree<sup>®</sup> technology allows quick inspection and removal of float switch without disconnecting the plumbing.
- Oil-filled motor with thermal-overload protection.
- Corrosion-resistant polyolefin basin with integrally molded rubber gasket for a superior gas-tight seal.
- Maintenance-free, permanently lubricated sealed bearings.
- 10' power cord with ground plug
- 3/8" Solids-Handling
- 1/2 hp

Maximum fluid temperature 180 degrees F. Not intended for use with chemicals.

### APPLICATIONS:

Laundry Trays

Dishwashers

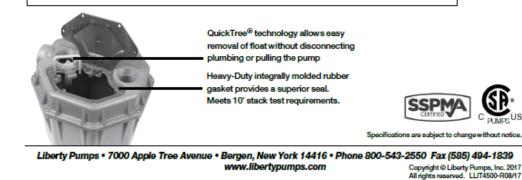
- Commercial Sinks
- Bar Sinks
- Wherever gray
   wastewater drainage is
  - needed below gravity lines.

Dehumidifiers

Specifically designed for higher head applications such as commercial and industrial buildings.

MODEL	HP	Volts	Amps	Discharge, Inlet & Vent	Alarm
405	1/2	115	7.3	2"	No
405/A	1/2	115	7.3	2"	Standard Alarm
405/A-EYE	1/2	115	7.3	2"	NightEye <sup>®</sup> Wireless
405HV	1/2	230	3.5	2"	No

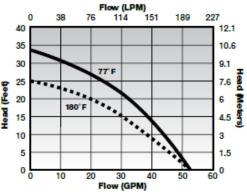
Alarmed models come with factory mounted alarm float in system. No assembly required. See Alarm literature for ALM-2 standard alarm or NightEye® Wi-Fi alarm for complete alarm specifications.



### DIMENSIONAL DATA:

Weight: 16 LBS. Major Height: 14-1/8" Major Width: 13-3/4" Inlet Height (from bottom of basin): 12-5/8" Total Capacity: 5.5 Gallons Inlet Size: 2" Discharge Size: 2" Vent Size: 2"

### PERFORMANCE CURVE 60 hz



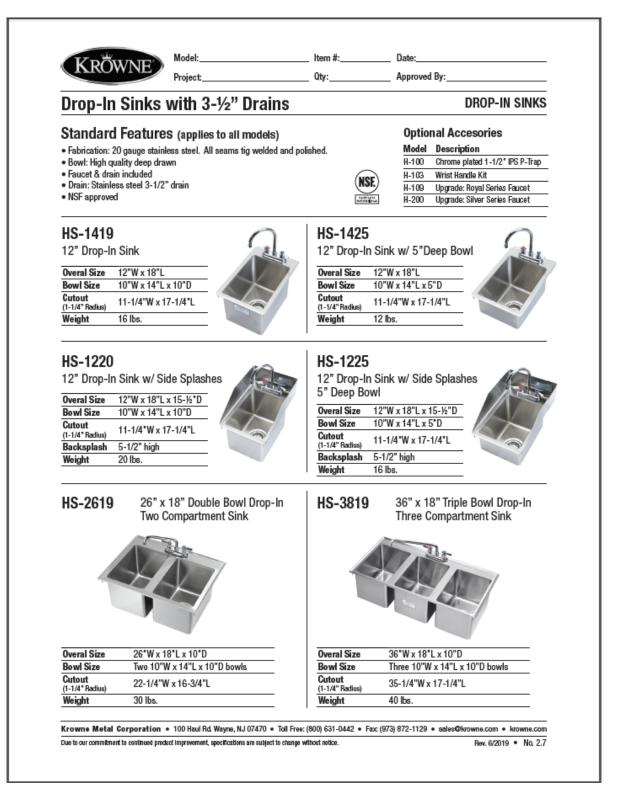


# **APPENDIX C**

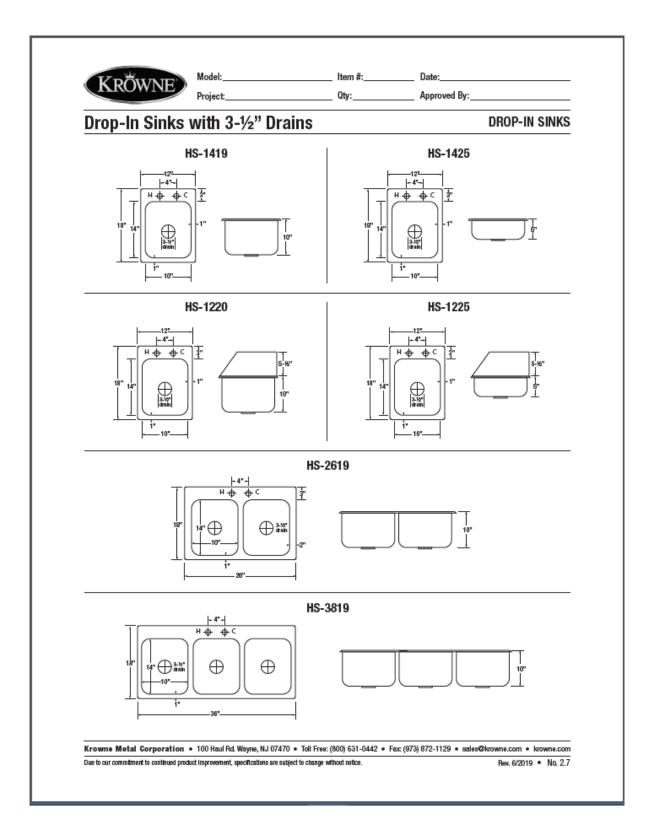
Plumbing Fixtures Cutsheets



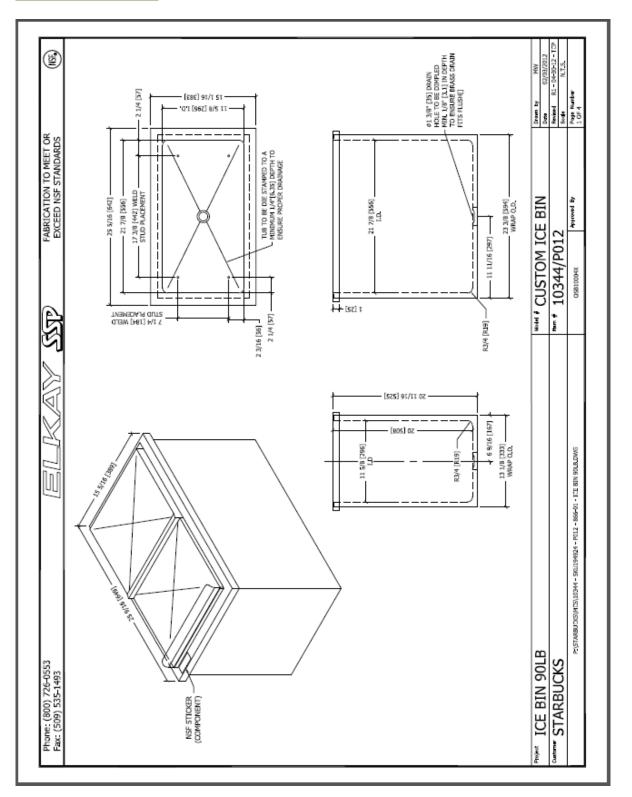




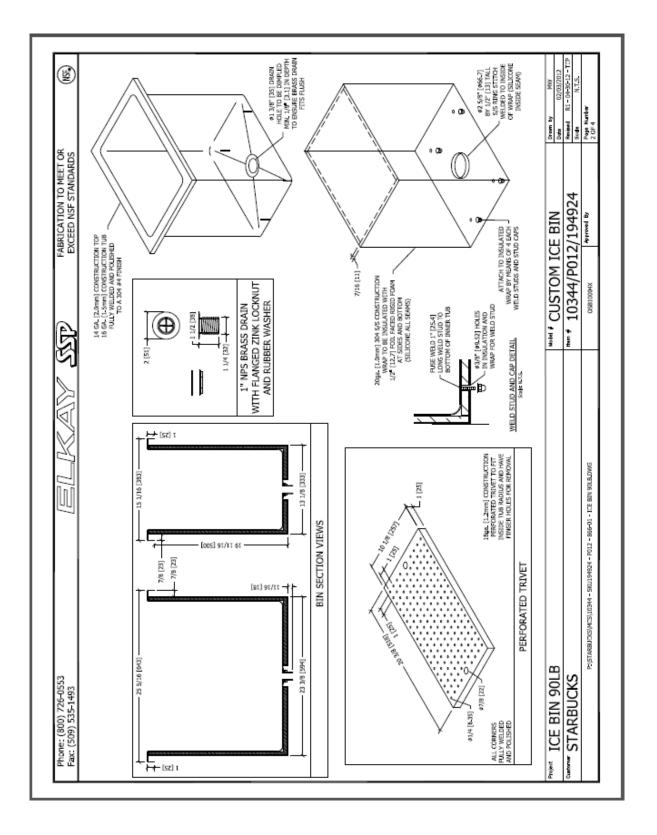




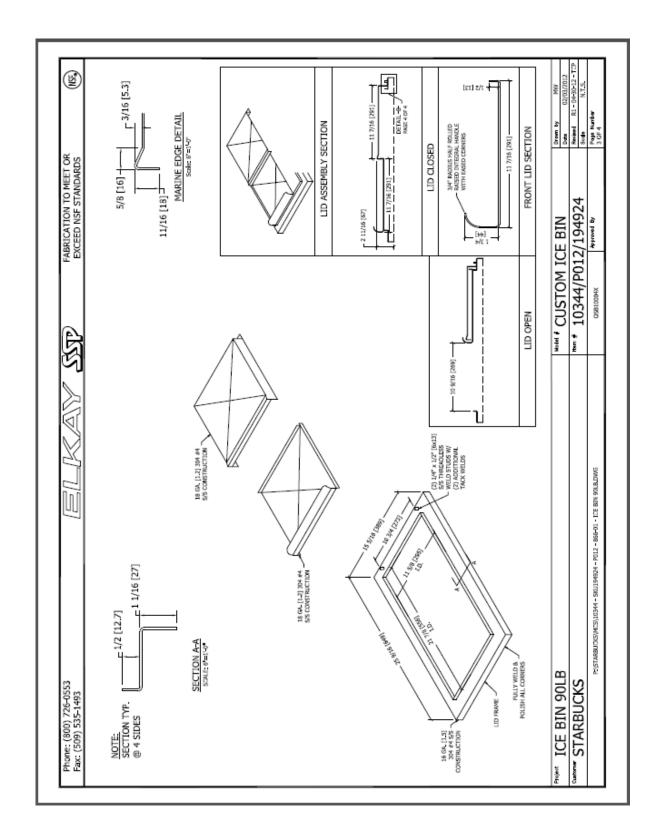




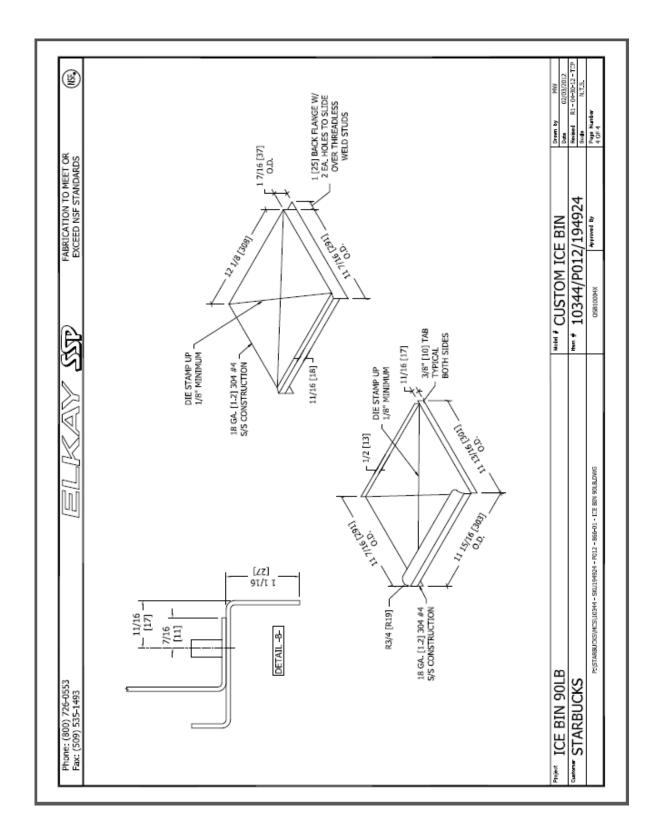




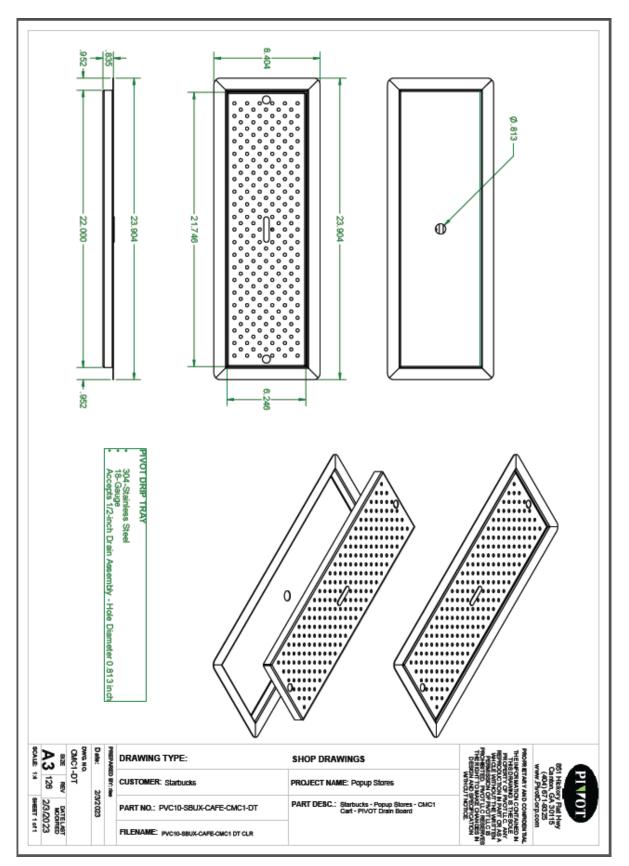




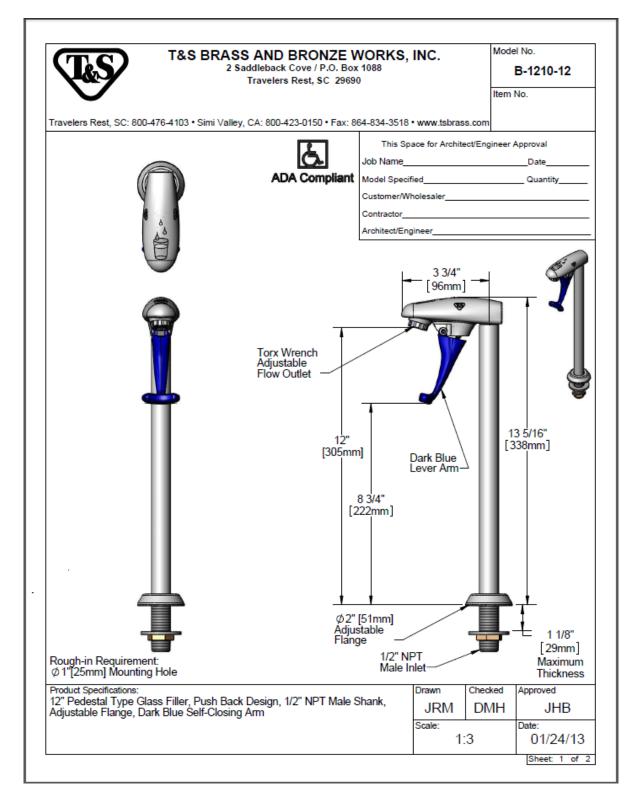




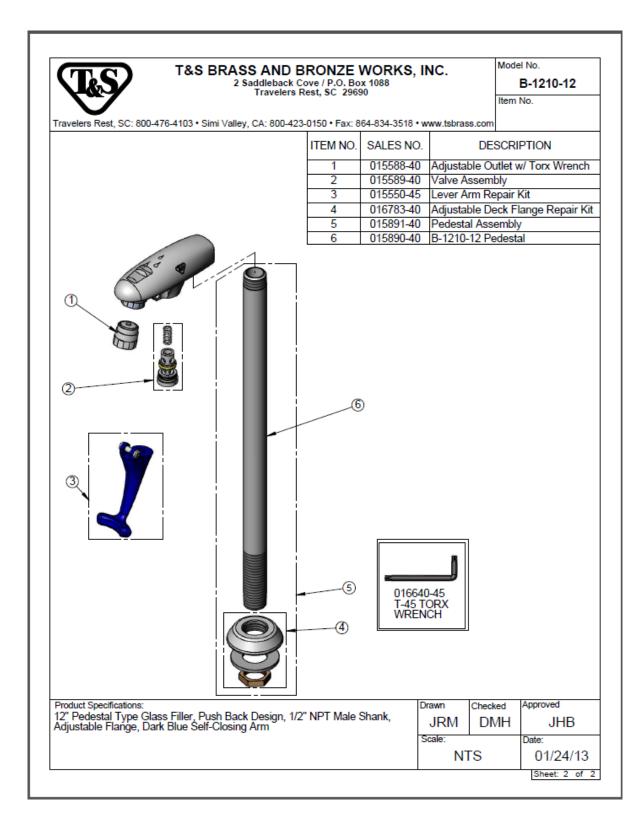








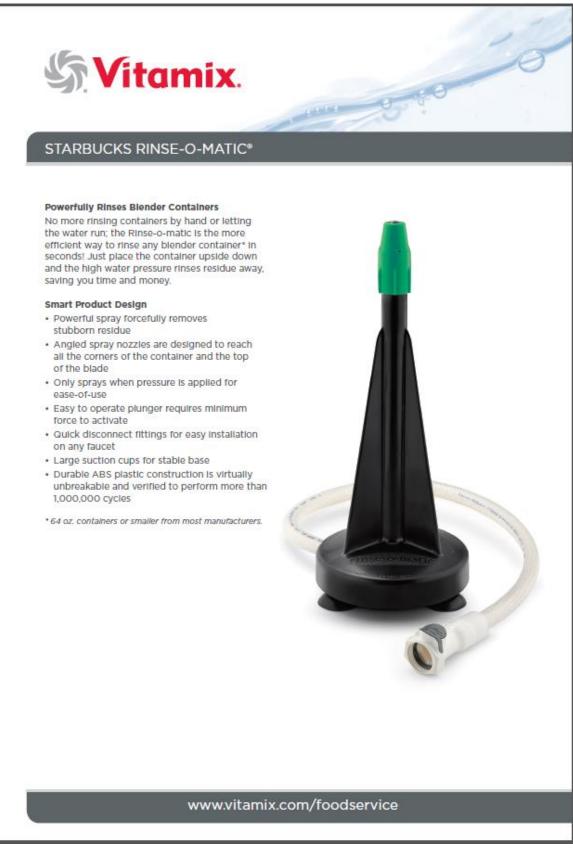






(TS) Sir	ngle Sill Fau	cets		TAG:				
В	0710			Single Basin Faucet				
Architect/Engineering	Specifications:							
Single hole, single temp	erature, deck mount fr	auget with polisher	d chrome plated brass b	ody, 2.2 GPM aerator, compression cartridge				
	n handle and 1/2" NPS	M male inlet. Cer		.1/CSA B125.1, NSF 61-Section 9 and NSF				
Job Name								
Model Specified	Quantity							
2 5/16" 59mm]	φ2 1/4" [57mm]		Sector Se	13/10" [21mm] Maximum Thickness				
Features & Benefi			Product Compli					
				<b>B</b> R				
<ul> <li>Single hole, sing</li> </ul>	jle temperature deck r	nount faucet	<ul> <li>ASME A112.1</li> </ul>	18.1 / CSA B125.1				
	hrome plated brass bo			<ul> <li>NSF 61 - Section 9</li> <li>NSF 67 - G = 1 - C = 1 -</li></ul>				
	r, Series 3 (B-0199-03			w Lead Content)				
	rna compression cartr ith color coded index	idge w/ spring che	eck • ANSI A117.1	(ADA)				
<ul> <li>4-Arm handle w</li> <li>1/2" NPSM male</li> </ul>			Warranty: One	Year (Limited)				
<ul> <li>Tailpiece and nu</li> </ul>	It for 1/4" NPT connec	tion	-					
	ed chrome plated bras	ss body & chrome	Performance Da	ata:				
plated metal	handle		Pressure: 20	- 125 psi ADA Compliant				
				: 40°F - 140°F				
			Flow Rate: 2.	.2 GPM @ 60 psi				
Option	nal Outlets (Series 3	/ VR Series 8)						
-	New Associat	-	VD Non Arrested	Optional Handles				
PM Aerated	Non-Aerated VR Non-Aerated (Laminar) VR Aerated (VR Laminar)			4" Wrist Action				
.35 N/A	B-0199-03-N035	N/A	B-0199-08-N035	Lever     4-Arm (Standard)				
.5 N/A	B-0199-03-N05	N/A	B-0199-08-N05	Optional Cartridges				
.0 D B-0199-03-F1 .2 D B-0199-03-F1		B-0199-08-F10	B-0199-08-LF10	Quarter-Turn Cerama w/ Check Valve				
.5 🛛 🗖 B-0199-03-W	S N/A	B-0199-08-WS	B-0199-08-LF15	Quarter-Turn Eterna w/ Spring Check (Standard)     Push Button Metering				
.2 Standard	B-0199-26	B-0199-08	B-0199-28	Pivot Action Metering				
				Wrist Action Metering				
T&S BRASS	AND BRONZE WOR	KS, INC.	• 2 Saddleback Cove	Travelers Rest, SC 29690				

### **Pitcher Rinser**



### **Sitamix** Product Specifications Rinse-o-matic\* Item Number: 1416 Starbucks SKU: 183204 Includes Rinse-o-matic blender container Pack: rinser, includes base, 2.5 ft. hose assembly, 2 faucet adapters, guick disconnect connector, and instructions. 1.6 lbs. (2.2 lbs. with box) Net Weight: Dimensions: 13.6 x 5.5 x 5.5 in. (H x W x D) Made in the U.S.A. with a minimum of 70% U.S.A. content. FOR COMMERCIAL USE ONLY. Warranty: The Rinse-o-matic is backed by a one-year limited warranty. For more information regarding this warranty, 34,5 cm 13.6 in please call 1.440.235.0214 for customer service. Also Available Rinse-O-Matic (outside USA) Item Number: 1456 Starbucks SKU: xxxxxx Includes Rinse-O-Matic blender container rinser, base, 2.5 ft. hose assembly, 5 faucet adaptors, Pack: Y connector, quick disconnect connector and instructions. Net Weight: 2.1 lbs. (2.6 lbs. with box) Dimensions: 13.6 x 5.5 x 5.5 in. (H x W x D) 14,0 cm \_ Item Number: xxxxxx Starbucks SKU: xxxxxx Pack: Includes a carton of 12 Where applicable: blender container rinsers, model #1456 (NSE)

### Contact Information

U.S.A., Canada & Latin America: Tel: 800.4DRINK4 or 440.235.0214 E-mail: foodservice@vitamix.com Outside of U.S.A., Canada &

Latin America: Tel: +1.440.782.2450

E-mail: international@vitamix.com

www.vitamix.com/foodservice Vita-Mix Corporation

8615 Usher Road Cleveland, OH 44138-2103 U.S.A.

For more information, contact your local foodservice distributor.

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# **APPENDIX D**

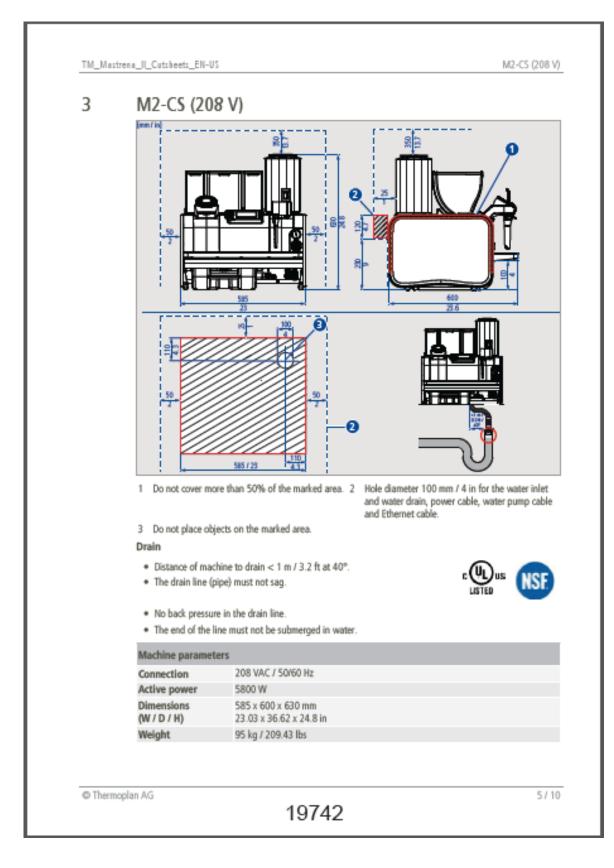
Other Equipment Cutsheets











6	Water pump US					
	Machine parame	eters				
	Connection	208 VAC / 50/60 Hz				
	Active power Dimensions (W / D / H)	150 W 150 x 326 x 158 mm 5.9 x 12.8 x 6.2 in				
	Weight	7 kg				



## 7 Water connection specifications

Water connection specifications		
Water connection	3/8" (CE) / 9/16" (US)	
Water inlet pressure	2-4 bar / 30-60 psiG	
Chlorine	None	
TDS	70-200 ppm	
Total hardness	5-8 °dH (8-14 °fH)	
pH	6.8-7.4	
Alkalinity	< 100 ppm	
Iron	< 0.25 ppm	
Water flow	2.0l/min / 0.54 gpm	

### Water hardness conversion table

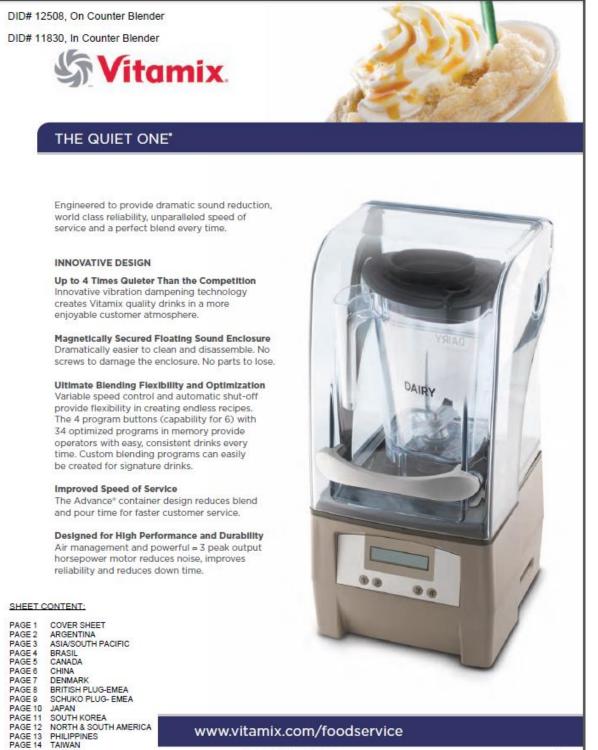
Water hardness	German	French	English	Ppm	Mval/l
1° dH	1.0	1.79	1.25	17.8	0.357
1° fH	0.56	1.0	0.7	10.0	0.2
1° e	0.8	1.43	1.0	14.3	0.86
1° ppm	0.056	0.1	0.07	1.0	0.02
1 mval/I	2.8	5.0	3.5	50.0	1.0

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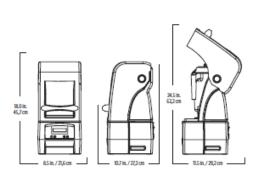
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#### On Counter Blender

Starbucks: #1	11007903 <u>Vitamix</u> : #036027
Motor:	a peak output horsepower motor
Electrical:	120 V, 50/60 Hz, 15 A, Single Phase
Pack:	Includes On Counter Blender with removable shroud.
Net Weight:	20.0 lbs., (28.0 lbs. with box)
Dimensions:	Height with IId closed: 18.0 in. / 45,7 cm Height with IId open: 24.5 in. / 62,2 cm Depth with handle: 10.7 in. / 27,2 cm Width: 8.5 in. / 21,6 cm

FOR COMMERCIAL USE ONLY.

Warranty: The Quiet One is backed by a three-year parts and labor warranty on motor base unit.

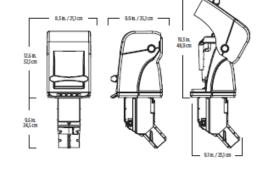


### In Counter (EB) Blender

Starbucks: #11007909 Vitamix: #040015 Motor: = 2 peak output horsepower motor Electrical: 120 V, 50/60 Hz, 10 A, Single Phase Pack: Includes In Counter Blender with removable shroud. Height with IId closed: 12.6 In. / 32,1 cm Height with IId open: 19.3 In. / 48,9 cm Dimensions: Height below counter: 9.6 In. / 24,5 cm Depth above counter: 9.9 in / 25,1 cm Depth below counter: 9.1 in. / 23,1 cm

Width: 8.3 in / 21,1 cm

North and South American Plug Configuration



#### North and South American plug configuration applies to the following countries:

Columbia

Ecuador

Guam

El Salvador

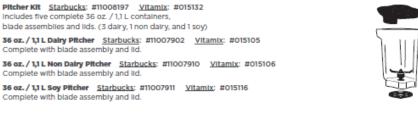
Costa Rica Dominican Rep.

Bahamas Belize Bermuda Bolivia Canary Islands Cayman Islands

Guatemala Honduras Mexico Puerto Rico United States

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### U.S.A., Canada & Latin America:

Vita-Mix Corporation 8615 Usher Road Cleveland, OH 44138-2103 U.S.A. www.vitamix.com/foodservice

Tel: 800.4DRINK4 or 440.235.0214 E-mail: foodservice@vitamix.com All Other Countries:

Tel: +1.440.782.2450 E-mail: International@vitamix.com

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12

# **APPENDIX E**

Material Finishes Documentation





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# **Product Data Sheet**



## **SERIES 38 – SUPER DURABLE**

Polyester TGIC super durable powder coating compliant to AAMA 2604 with excellent weather resistance properties for high performance architectural exterior applications.

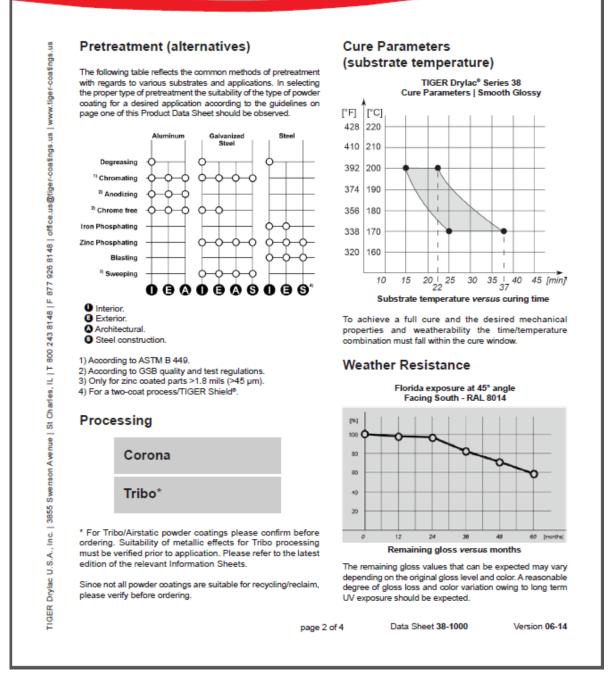
### Typical Applications

Typical Applica	tions	Features
<ul> <li>Metal façades.</li> <li>Steel constructions.</li> <li>Stadium seating and r.</li> <li>Residential windows a</li> <li>Patio fumiture and gar</li> <li>Railings.</li> <li>Playground equipment</li> <li>Agriculture equipment.</li> <li>External ship compone and railings.</li> <li>Military camouflage.</li> </ul>	nd doors. den equipment. t.	<ul> <li>Excellent weather resistance.</li> <li>Excellent UV-light resistance.</li> <li>AAMA 2604* compliant.</li> <li>5 years South Florida exposure.</li> <li>Very smooth flow.</li> <li>Good storage stability.</li> <li>Good yellowing stability.</li> <li>* AAMA 2604-10 compliance dependent upon the color and or effect.</li> </ul>
Standard Packaging	44 lb (20 kg) box. 5 lb (2.5 kg) minipack.	Finish and Color
Specific Gravity (ASTM D792)	approximately 1.2-1.8 g/cm <sup>3</sup> depending on pigmentation.	<ul> <li>Smooth flow glossy, approximately 80-95+*.</li> <li>Smooth flow semi gloss, approximately 60±5*.</li> <li>Smooth flow matte, approximately 20±5*.</li> <li>* Gloss level according to ASTM 523 at 60° angle.</li> </ul>
Theorefical Coverage	at 1.5 specific gravity and 2.5 mils (80 µm) film thickness: <b>30.2 ft<sup>2</sup>/lb (9.8 m<sup>2</sup>/kg)</b> . Refer also to the latest edition of "Theoretic Powder Coating Coverage Chart". Version 00-1001 (imperial). Version 00-1000 (metric).	Available as stock product in smooth glossy, semi gloss and matte in 70 colors. It can be custom matched in limited color (minimum order quantity and color limitation applies).
Storage Stability	6 months at no more than 77 °F (25 °C).	
	pag	e 1 of 4 Data Sheet 38-1000 Version 06-14



# Series 38 - Super Durable







# Series 38 - Super Durable



### Please Note

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Top coating with a clear exterior grade powder coating over an interior grade powder coating does not result into a weather resistant coating system.

Post-bending properties of any part must be verified prior to application. Minor cracks in the coated surface may lead to corrosion.

Joint sealants and any other auxiliary products, such as glazing aids, gliding waxes, drilling and cutting lubricants, which come in contact with the coated surface must be pH-neutral and free of substances that may damage the finish. Therefore, a suitability test at the applicator's end, prior to coating, is highly recommended.

In general, colors in the red, orange and yellow range may require an increased film thickness to achieve full hiding.

Any post-mechanical processing of already coated parts, such as sawing, drilling, milling, cutting and bending will result in damage of the coated surface and will subsequently weaken the corrosion protection.

Please read and understand the Material Safety Data Sheet (MSDS) before use.

### Test Results

Results are checked on 1/64 inch (0.7 mm) thick yellow chromated aluminum test panel. Cure conditions are according to the cure curves. When used as a two-coat system, the increase in film thickness will result in a decrease of mechanical properties.

Test results	Test method	Series 38 Smooth Glossy	
Film thickness	ISO 2360	2.5-3.5 mils (60-80 μm)	
Gloss - 60°	ASTM D523	80-95+	
Cross hatch adhesion test	ASTM D3359 Method B	5B	
Mandrel bending test	ASTM D522	1/8 inches (3 mm).	
Impact test	ASTM D2794	Up to 80 in/lb. Cracking at the perimeter of the concave area but no cracking pick off.	
Pencil hardness	ASTM D3363	2H minimum.	
Weathering	EN 20105 - A02	≥4	
Light fastness	EC ISO 105 - B02	≥Grade7	
Humidity resistance 3,000 hours	ASTM D2247	Maximum undercutting 1/32 inches (1 mm).	
Acid salt spray resistance 2,000 hours	ASTM G85 Annex A5	Maximum undercutting 1/32 inches (1 mm).	
	5 years Florida e	xposure	
Color change ASTM D2244		≤∆ε 5.0 (Hunter).	
Gloss retention	ASTM D523	>80%	
Cleaning recommendations: Refer	to the latest edition of TIGER "Clea	ning Recommendations" information sheet, Version 00-100	
	page 3 of 4	Data Sheet 38-1000 Version 06-1	



# Series 38 - Super Durable



### Special Applications

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Objects directly exposed to salt/fog conditions in a marine environment or need heavy corrosion protection must be coated with TIGER Shield® system. Refer to the latest editions of TIGER Drylac® Product Data Sheets.

### Chemical Resistance

The required chemical resistance of a powder coating depends, among other things, on its formulation. Chemical resistance requirements must be considered according to processing conditions and final use of the finished product. This is best established during the product specification process. Agreement between all parties involved must be reached about the requirements for such chemical resistance as well as the test method, which may be performed in accordance with PCI test method #8 "Solvent Cure Test". Furthermore, the test duration and concentration of the test media need to be agreed upon.

As part of TIGER Drylac<sup>®</sup> product information program, Product Data Sheets are updated periodically. It is recommended to always check for the latest editions on TIGER's website. TIGER's verbal and written recommendations for the use of its products are based upon experience and in accordance with current technological standards. These are given in order to support the buyer or user. They are non-committal and do not create any additional commitments to the purchase agreement. They do not release the buyer from verifying the suitability of TIGER products for the intended application. This Product Data Sheet supersedes all previous Product Data Sheet versions and notes published in relation to this product.

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Data Sheet 38-1000

page 4 of 4

Version 06-14

