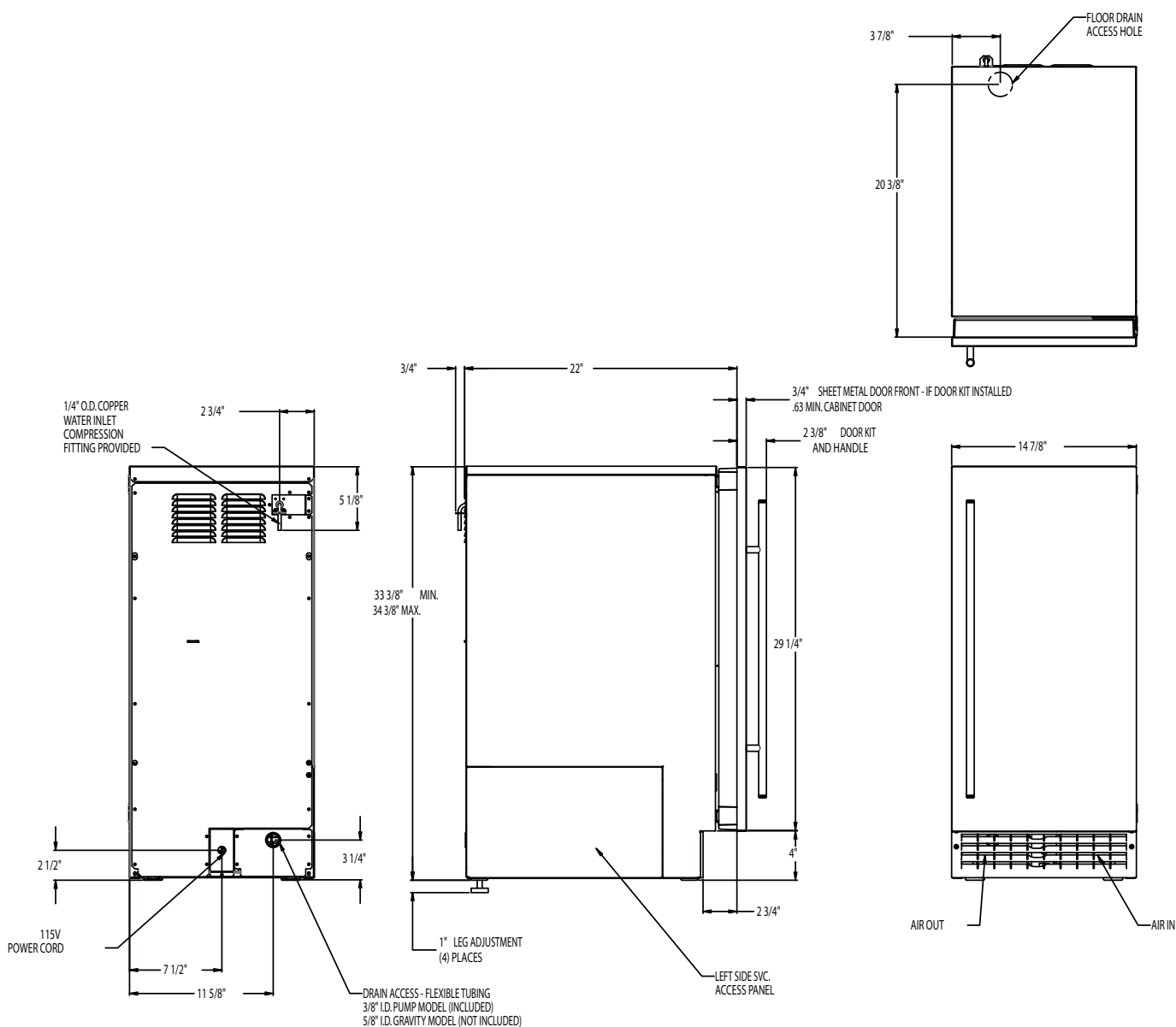


SCN60

User's Manual

Cabinet Dimensions



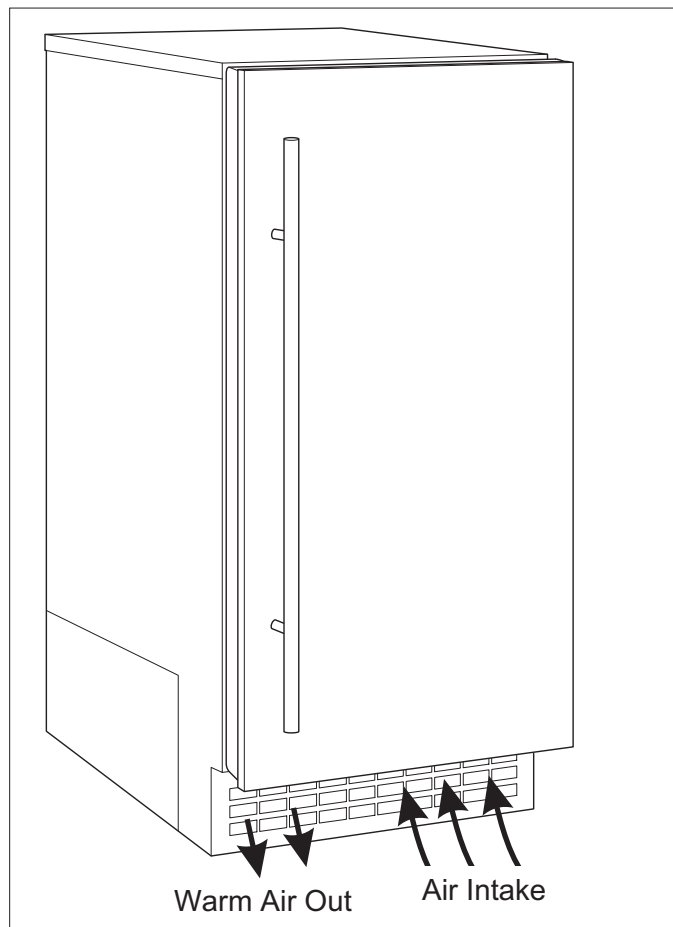
Scotsman Ice Systems are designed and manufactured with the highest regard for safety and performance. They meet or exceed the standards of agencies like ETL.

Scotsman assumes no liability or responsibility of any kind for products manufactured by Scotsman that have been altered in any way, including the use of any parts and/or other components not specifically approved by Scotsman.

Scotsman reserves the right to make design changes and/or improvements at any time. Specifications and designs are subject to change without notice.

Location Recommendations:

The machine can be built into a cabinet. It is an air cooled refrigeration system and so air flows in and out of it through the grill at the bottom front. The grill must not be blocked by any covering door or other obstruction.



There are two models, one is a gravity drain type and it must have a building drain connection below the level of the drain tube at the back of the cabinet; the other is a pump drain model which can force drain water up a maximum of 10 feet, allowing it to be located where a gravity drain isn't available.

Kickplate Extension: In some situations the leg levelers will be extended enough to become visible. A kit to extend the kickplate over the legs is **KKPF**.

Cabinet Stability: In some free standing installations it may be prudent to add a bracket that secures the back of the cabinet to a wall. That kit number is **KATB**.

Drain Conversion: A gravity drain model can be converted to a drain pump model by installing a drain pump kit. The drain pump kit consists of a drain pump, wiring harness and associated tubing. The part number is **A39462-021**.

Installation Notes

Built In Situations: If a finished floor is to be installed in the area after the ice machine has been built in, shims the expected thickness of the floor should be installed under the unit to keep the machine level with the planned floor level.

Note: The water connection is at the back and adds a few inches to the cabinet depth.

Installations on a slab: Use a pump model and pump the water to the point of drainage. Pump models will pump 1 story (10 feet) high.

Installations over a crawl space or basement:

Either gravity drain or pump model units may be used, if there is not enough room behind the machine for a drain/waste receptacle, the drain will have to be below the floor.

Note: When installed in a corner, the door swing may be limited due to handle contact with the wall or cabinet face.

All models require a water supply. Water supplies vary in the degree of mineral content. High mineral content water will require more frequent maintenance. Water filtration may improve the taste of the ice as well as cut down on some of the mineral build up.

Plumbing - Pump Model

Drains

There are two types of ice machine models, one that drains by gravity and one that has an internal drain pump.

Drain Pump Model drain installation

1. Locate the coil of 3/8" ID plastic drain tubing secured to the back of the unit.
2. Route the plastic drain tube from the back of the unit to the drain connection point.

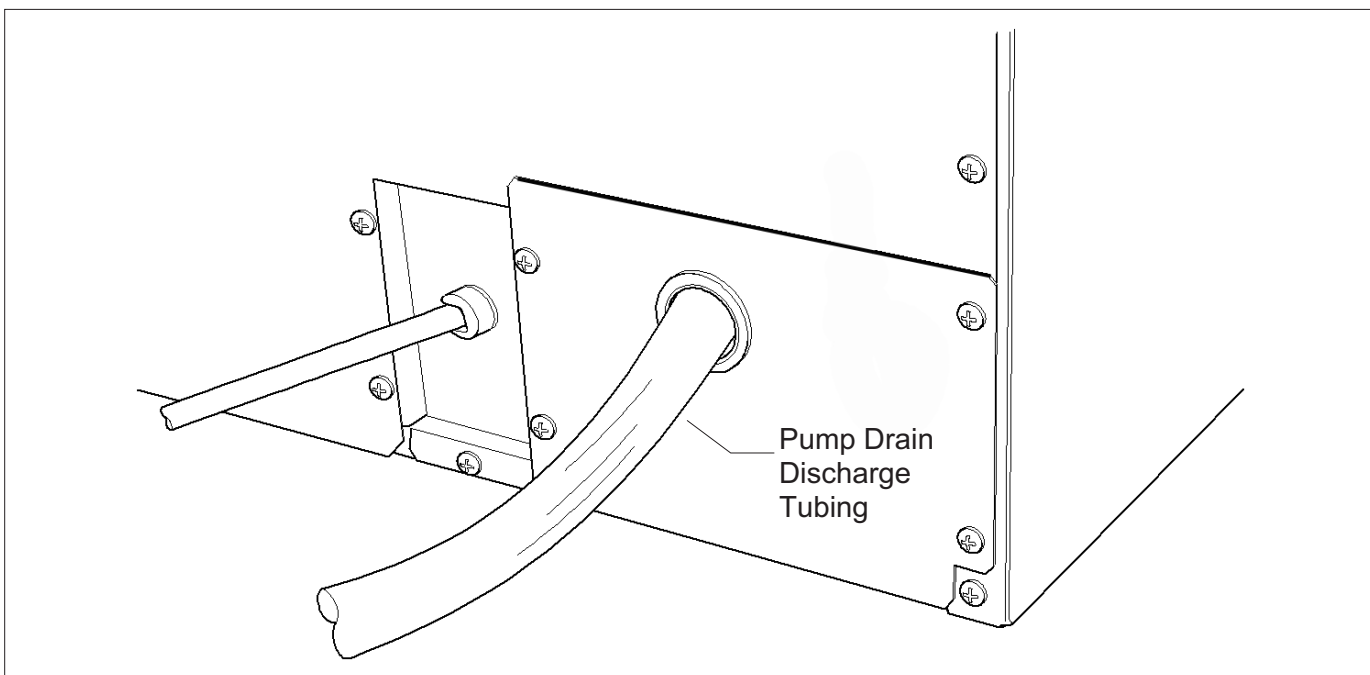
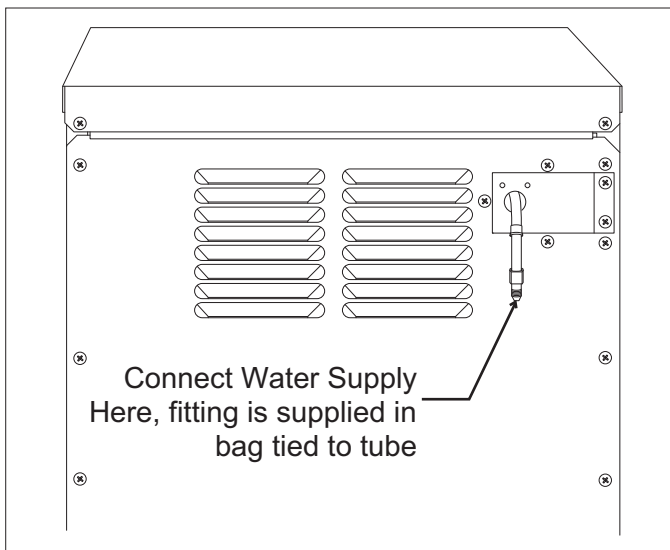
The drain connection point can be as high as 10 feet above the ice machine. The drain pump includes a check valve to prevent re-pumping water in the drain hose.

IMPORTANT NOTE: Often an air gap is required by local codes between the ice maker drain tube and the drain receptacle.

Water Supply

The recommended water supply tubing is 1/4 inch OD copper. Stainless steel flex or reinforced PCV tube may also be used. Install an easily accessible shut-off valve between the supply and the unit. This shut-off valve should not be installed behind the unit.

The water connection is at the back of the cabinet. Connect using a compression fitting, one is supplied tied to the water inlet tube at the back of the cabinet. When built in: Coil enough tubing behind the machine so it can be pushed into the cavity without kinking the tubing.



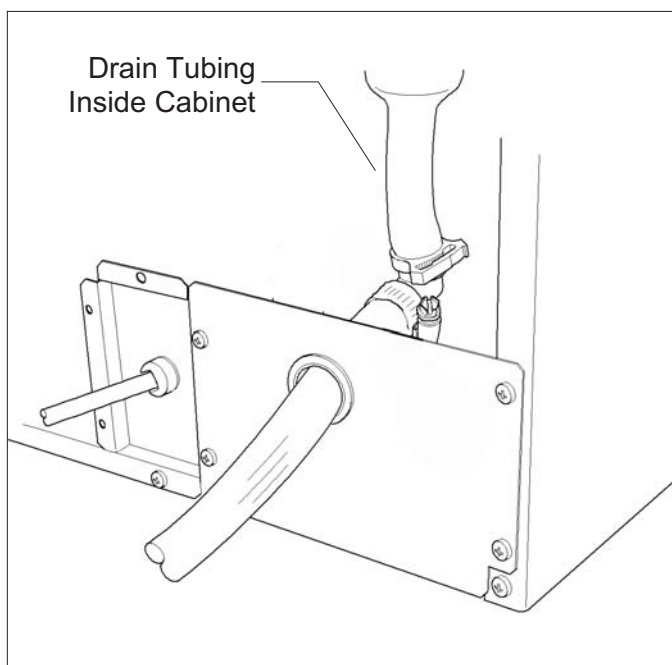
Plumbing: Gravity Drain Model

Caution: Restrictions in the drain system to the machine will cause water to back up into the ice storage bin and melt the ice. Gravity drain tubing must be vented, have no kinks and slope to the building drain. Air gaps are typically required by local code.

1. Place the ice machine in front of the installation opening. Adjust leveling legs to the approximate height.
2. Insert drain tube through the routing hole in the back panel.
3. Remove the upper back panel if needed for access to drain connection.

Note: If you are connecting a gravity drain model and the drain opening has been located in the floor under the base pan according to the pre install specifications, follow steps 4 through 7a to drain the unit through the base. If not, proceed to step 7b.

4. Remove the clamp and barbed elbow and take off the plastic cover in the base pan below the drain hose.
5. Connect a straight 5/8" barbed connector to the drain hose, securing with the supplied hose clamp.



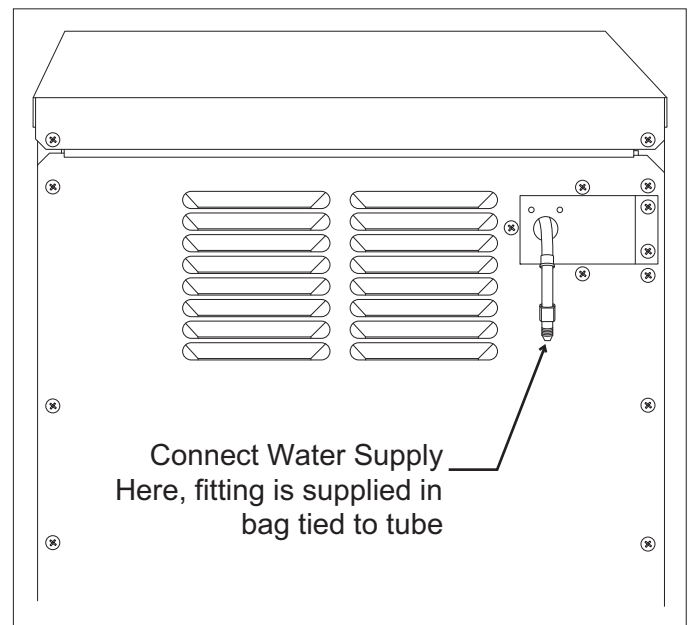
6. Cut an 8" piece of 5/8" ID X 7/8" OD tygon (clear plastic) tubing. Slide one end of the tube onto the outlet of the barbed connector and secure with a clamp. Leave the other end of the tube lying on the floor of the base pan until the unit is positioned over the floor drain.

7. Route the drain tube. Either a) Insert the drain tube through the base pan into the floor drain or b) Route the drain tube through the hole in the lower back panel and connect to barbed elbow and secure with a clamp.

8. Reinstall any panels removed to connect the drain.

Water Supply

The recommended water supply tubing is 1/4 inch OD copper. Stainless steel flex or reinforced PCV tube may also be used. Install an easily accessible shut-off valve between the supply and the unit. This shut-off valve should not be installed behind the unit.



The water connection is at the back of the cabinet. Connect using a compression fitting, one is supplied tied to the water inlet tube at the back of the cabinet.

When built in: Coil enough tubing behind the machine so it can be pushed into the cavity without kinking the tubing.

Electrical and Start Up

The ice machine is supplied with a power cord. Do not remove the grounding pin from the cord's plug. Do not use extension cords. Follow all codes.

Connect the machine to its own properly grounded 115 volt, 15 amp circuit.

1. If the electrical outlet for the ice maker is behind the unit, plug in the unit.
2. Position the unit in the installation opening.
3. Turn on the water supply. Make sure that the ice maker is plugged in and the power is on.
4. Slide unit into installation opening, paying careful attention to water supply and drain connections. Do not kink!
5. Remove service panel for visual inspection.
6. Pour a couple of quarts of water into the ice storage bin; on drain pump equipped machines the drain pump should start and water should pump out. Check for leaks.
7. Replace the service access panel.
8. Level the unit as needed.

Installation check list:

1. Has the unit been connected to the proper water supply?
2. Has the water supply been checked for leaks?
3. Has the unit been connected to a drain?
4. Has the drain been tested for flow and leaks?
5. Has the unit been connected to the proper electrical supply?
6. Has the unit been leveled?
7. Have all packing materials been removed from the machine?
8. Has the door covering been installed?

Initial Start Up

1. Turn on the water supply.
2. Switch on the electrical power.
3. Push and release the On/Off switch to start the machine. The Ice Making light next to the On/Off switch will glow Green.

Warm air will flow out of the left front grill.

It will take about 10 minutes for the ice machine to begin dropping nugget ice into the storage bin. It is normal for that ice to melt and ice will continue to melt, but at a slower rate. It will take about 6 - 7 hours to fill up the ice storage bin. The storage bin holds about 20 lb of ice when full.

Ice level control

The ice level control for the SCN60 is an ultrasonic sensor, located above the ice storage area. It is automatic and there is no adjustment to make. When ice melts or is used, and the ice level drops below a preset distance the control turns the ice making system back on. It makes ice until the preset level is reached. Placing your hand in the unit to remove ice does not affect the ice level.