

CU670P/CU672P

Outdoor Pure Cube Sauna with Porch

Assembly Instructions



Requirements:

- 2 People (recommended)
- Rubber Mallet
- Carpenter's Level
- Tape Measure
- Cordless Drill
- Phillips & Robertson Drill Bits
- Hex Key Set
- 2" (51mm) hole saw
- Staple Gun
- 1 ¼" Staples
- Step Ladder

It is highly recommended to view the assembly video prior to starting assembly!

[View the assembly process](#) 

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Sauna Base Preparation

Make sure the base for your sauna is level with a slight slope to the back for drainage.

A solid base for your sauna is recommended and can be made from any of the following.



Concrete Pad



Wood Deck



Crushed Stone



Patio Stone/Paver Blocks

It is recommended to build a base larger than required to provide a sitting area for cooling off during your sauna session.

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Sauna Assembly



Start the assembly of your Sauna by laying out the front, back and side floor joists.

The longer 2 are for the sides and the shorter 2 are for the front and back.



Ensuring the groove is up, secure the corners of the floor joists together using 2 ½" (64mm) screws in the predrilled holes.

Repeat for all 4 corners.



Place one of the middle floor joists and ensure it is centered. (46 ¾" - 118mm)



Secure the middle floor joist to the front and back floor joists with 2 - 1 ½" (38mm) screws in the predrilled holes.

Repeat on the opposite end.

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Sauna Assembly

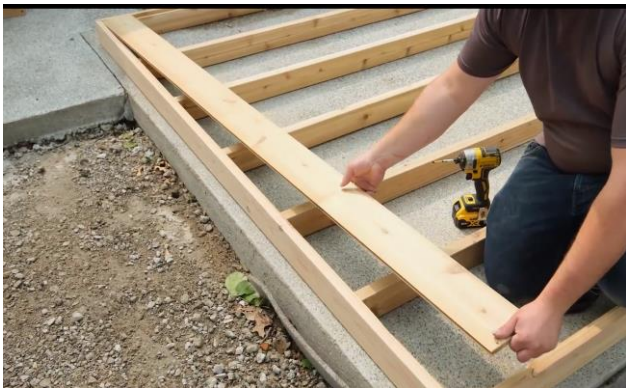


Place another floor joist 15 ¾" (40cm) from the side joists and secure with 2 - 1 ½" (38mm) screws in the predrilled holes at each end.

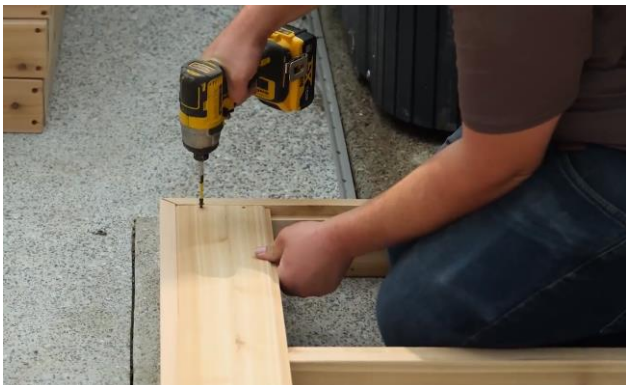


Center another middle floor joist between this joist and the middle joist and secure in the same manner as above.

Repeat on the opposite side.



Place the first floorboard in the groove at the front of the sauna.



Secure the floorboard to the outside joists in the predrilled holes at each end with 2 - 1 ½" (38mm) screws.

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Continue adding the floorboards in the same manner for the remainder of the floor.



When you reach the portion of the floor that will be covered by the benches, place an extra 1 ½" (38mm) screw into each of the middle floor joists.



Continue adding the floorboards securing with 1 ½" (38mm) screws in each floor joist.

Use the thinner floorboard for the last piece of the floor.



Place a corner post onto the floor and place a wide side wall panel on top.

Ensure the top and sides of the panel are flush with the post.

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Sauna Assembly



Use the holes on the side of the panel to predrill holes into the post with a 1/8" drill bit.



Secure the panel to the post in the predrilled holes using 4 of the provided 2 3/4" (70mm) Connector Lag Bolts.



Lay the panel flat and secure another wall panel onto the post in the same manner to make a "corner"



Ensure the side labeled "top" is on the top and flush with the post.

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Sauna Assembly



Stand up the assembled corner and place it onto the back corner of the sauna.



Using a tape measure, ensure that the walls stick out 1 ½" (38mm) past the base of the sauna on the back and side.

You can use a rubber mallet to tap into the correct place.



Once the assembled corner is in the correct placement, secure the panels to the sauna base using 4- 2 ½" (64mm) screws in each panel.



Attach a narrow wall panel onto the back panel of the assembled corner with the 2 ¾" (70mm) connector bolts and connector cap nuts

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Sauna Assembly



Repeat the process by connecting a wide wall panel to the narrow panel using the provided 2 ¾" (70mm) connector bolts and connector cap nuts.



Attach a corner post to the end of the assembled back wall.

Use the holes on the side of the panel to predrill holes into the post with a 1/8" drill bit.

Secure with 4 of the provided 2 ¾" (70mm) Connector Lag Bolts.



Using a tape measure, ensure that the walls stick out 1 ½" (38mm) past the base of the sauna on the back and side.

Secure the panels to the sauna base in the same manner as before using 4- 2 ½" (64mm) screws in each panel.



Attach a wide wall panel onto this corner post heading back in the direction to the front of the sauna using 4 of the provided 2 ¾" (70mm) Connector Lag Bolts.

Ensure the panel overhangs the base of the sauna 1 ½" (38mm) and secure with 4- 2 ½" (64mm) screws.

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Outdoor Pure Cube Sauna with Porch Assembly Instructions

Sauna Assembly



To start the assembly of the benches, flip the top bench upside down on a smooth surface and place a bench support bracket on to the side.

Ensure the bottom bench support is facing the front of the bench and is flush to the back and the side of the seat support and secure with 2- 2 ½" (64mm) screws.



Repeat this process for the remaining 4 bench brackets.



Flip the assembled bench over and lay down the bottom bench onto the bottom supports.



Place the bottom bench onto the supports ensuring the rounded edge is facing the front of the bench and secure with 2 - 2 ½" (64mm) screws into each support from underneath.

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Sauna Assembly



Place the lower bench enclosure onto the front of the bench supports.



Secure with 2 - 2 ½" (64mm) screws into each support from underneath.



Slide the bench against the back wall of the sauna.



Place a second wide panel onto the side of the sauna and attach it to the corner assembly with the 2 ¾" (70mm) connector bolts and connector cap nuts.

Repeat on the opposite side.

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Sauna Assembly



Place a corner post onto the wide panel.

Use the holes on the side of the panel to predrill holes into the post with a 1/8" drill bit.



Secure with 4 of the provided 2 3/4" (70mm) Connector Lag Bolts.

Repeat on the opposite side.



Now place the first wide panel onto the front of the sauna.

This can be a solid wood, glass, or semi privacy panel depending on the options chosen.



Use the holes on the side of the panel to predrill holes into the post with a 1/8" drill bit.

Secure with 4 of the provided 2 3/4" (70mm) Connector Lag Bolts.

Repeat on the opposite side.

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Outdoor Pure Cube Sauna with Porch Assembly Instructions

Sauna Assembly



Place the door panel between the 2 outside panels.

Ensure it is flush to the panels and that it opens outwards.

Use the holes on the side of the panel to predrill holes into the door with a 1/8" drill bit and secure with 8 of the provided 2 3/4" (70mm) Connector Lag Bolts.



Attach a narrow wall panel onto the corner post using the same method as in previous steps.

Repeat on the opposite side.



Add a corner post onto the end of each narrow panel in the same method as in previous steps.



Again, using a tape measure, ensure that the walls stick out 1 1/2" (38mm) past the base of the sauna.

Secure the panels to the sauna base in the same manner as before using 4- 2 1/2" (64mm) screws in each panel.

Ensure the front panels are straight and secure in the same manner.

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Outdoor Pure Cube Sauna with Porch Assembly Instructions

Sauna Assembly



Lay the 3 roof panels on top of the sauna.

The overhang on the panel goes to the back of the sauna.



Ensure the panels are flush on the front and sides.

Use a rubber mallet if required to maneuver roof panels into place.

To make the next steps easier, line the panels up as close as possible to each other.



Inside, line up the holes and fasten the roof panels together with 2 $\frac{3}{4}$ " (70mm) connector bolts and nuts.

When you have the roof panels connected, tighten up the bolts with a drill and hex key.



Place the trim pieces over the seams of the wall panels and posts.

Ensure they are flush with the bottom of the posts and secure with 8 - 1 $\frac{1}{4}$ " (32mm) staples or finishing nails.

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Outdoor Pure Cube Sauna with Porch Assembly Instructions

Sauna Assembly



Use the 2 narrow trim pieces to cover the seam between the front wall panels and the door.

Secure with 1 ¼" (32mm) staples.



Install the door handle by placing the provided 2" (50mm) lag screws through the inner handle (short) into the outer handle (longer)

Use the hex key to snug up, do not tighten all the way.



Ensure the outer handle lines up with the magnetic catch on the door frame and then tighten the lag screws completely.

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Place the side nosing piece on the side of the roof panels and ensure it is flush to the front edge of the sauna.

The nosing pieces should be attached so the bottom edges are $\frac{3}{4}$ " (19mm) below the roof panel.



With a helper holding the side nosing in position on the outside of the sauna, use a $\frac{1}{8}$ " drill bit in the holes of the roof panel to predrill into the nosing.



Secure the side nosing piece from the inside of the sauna using the $2\frac{3}{4}$ " (70mm) Connector Lag screws through the predrilled holes.

Repeat on opposite side of sauna.



Repeat for the front nosing.

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Outdoor Pure Cube Sauna with Porch Assembly Instructions

Sauna Assembly



Unroll the EPDM rubber membrane evenly over the roof.



Using a stapler, faster the rubber membrane to the top of the nosing of the front and sides.



Use a utility knife to cut the excess rubber close to the edge of the front trim piece.

Repeat for both sides.



Place the roof trim pieces on top of the nosing.

The piece with 2 angles is for the front and the pieces with 1 angle and a flat end are for the sides.

Ensure the corners are flush to each other and secure each piece to the nosing with 6 - 2 1/2" (64mm) screws.

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Outdoor Pure Cube Sauna with Porch Assembly Instructions

Sauna Assembly



Secure the side and front wall panels to the assembled roof using 2 - 2 ½" (64mm) screws in each wall panel.



Tuck the Membrane under the overhang on the back of the roof panels and secure with a staple gun.



Trim off the excess membrane from the back.



Place the back nosing snug under the overhang of the roof panels and secure from the inside of the sauna using the 2 ¾" (70mm) Connector Lag screws through the 6 predrilled holes.

Secure the back wall panels to the assembled roof using 2 - 2 ½" (64mm) screws in each wall panel in the same manner as the front and sides.

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Sauna Assembly



On the inside of the sauna, place the short spacer boards behind each of the bench legs.

Use a 1 ½"(38mm) screw to secure the spacer boards above the bench.



Fasten the bench brackets to the wall using 2 - 2 ½" (64mm) screws per bracket.



Repeat the process to secure the brackets to the floor.



Bring in one of the front bench enclosure for the top bench and place in between the benches.

Secure the front bench enclosure to the bench supports between the slats using 3" (76mm) screws.

Screw in between the slats to make the screws less visible.

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Sauna Assembly



Place the short top bench upside down and place the top bench support on the end.

Ensure it is flush with the back of the bench support and secure with 2 - 2 ½" (64mm) screws.



Bring in the L bench enclosure for the side bench and place against the front wall.

Lay the assembled short side wall bench on top of the bracket with the attached support on top of the bottom bench of the back wall.



Ensure the L Bench support is flush with the back and side of the short top bench and secure from underneath with 2 - 2 ½" (64mm) screws.



Place the bottom bench support under the center of the short top bench.

Ensure it is flush with the back and secure from underneath with 2 2 ½" (64mm) screws.

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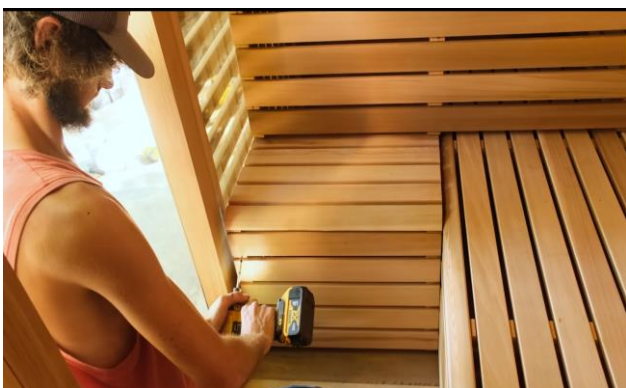
Place the short bottom bench on top of the bench support and secure with 2 ½" (64mm) screws from underneath.



Place the short spacer boards behind each of the remaining bench supports.

Fasten the bench brackets to the wall and floor using 2 ½" (64mm) screws.

Use a 1 ½"(38mm) screw to secure the spacer boards above the bench.



Secure the side bench enclosures to the bench supports between the slats using 2 ½" (64mm) screws.

Screw in between the slats to make the screws less visible.



Bring in the longer backrest and ensure it is level to the spacer boards and secure with a 3" (76mm) screw into each of the supports.

Repeat for the small backrest on the side wall.

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Outdoor Pure Cube Sauna with Porch Assembly Instructions

Electric Heater Installation (Optional)



Measure the width of the stove mounting holes.



Measure the height of the mounting holes and add 6". (152mm)



Transfer the measurements to the back wall of sauna.

Ensure the heater will be centered between the bench and the front wall.



Install the two $\frac{1}{4}$ " x $1\frac{1}{2}$ " (6mm x 38mm) hex head lag screws (supplied with the heater) into the holes.

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Outdoor Pure Cube Sauna with Porch Assembly Instructions

Electric Heater Installation (Optional)



Hang the heater on the 2 screws and tighten to secure stove in position.



Locate the pieces for your heater guard.

Stand the 2 Assembled side pieces of the heater guard on edge with pre-drilled holes on the bottom.



Screw heater guard support to either side using (2) – 1 ½" (38mm) screws per side.

Repeat for the bottom heater guard support.



Place 2- 2 ½" (64mm) screws into the pre-drilled holes on either side of heater guard to prepare for mounting.

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Outdoor Pure Cube Sauna with Porch Assembly Instructions

Electric Heater Installation (Optional)



Center the guard around the heater and secure to wall with the pre placed screws.



Ensure the guard is level and secure the other side.



Wash the layer of rock dust off of the sauna rocks before using them.

When your sauna is set up and working you should “break-in” the sauna before using it for the first time by turning on the heater to its highest setting and operate it for about 1 hour.

This is recommended to burn off any oils impurities from manufacturing, and it also “cures” the woodwork.

- *All wiring should be installed according to the heater manufacturers instructions and by a licensed electrician.*

- **Do NOT use a G.F.I breaker**

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Wood Stove Installation (Chimney out the side wall) (Optional)



Remove all protective film from stainless steel parts and the plastic wrap from stove pipe pieces before installation.



Fasten the stove handle onto the stove door With the screws provided.



Remove the screw on the back of stove and remove the back flap.



Place the heat shield on the floor where the stove will be.

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Outdoor Pure Cube Sauna with Porch Assembly Instructions

Wood Stove Installation (Chimney out the side wall) (Optional)



Place the stove onto the heat shield.



Place the short metal pipe into the back of the stove and mark it where it meets the wall.



From the mark, make an 8" (203mm) circle.



Cut out the circle with a jigsaw.

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Outdoor Pure Cube Sauna with Porch Assembly Instructions

Wood Stove Installation (Chimney out the side wall) (Optional)



Place the chimney through the hole, then through the heat shield (hole towards the bottom), then into the stove.



Secure the heat shield to the wall with 6 - 1" (25mm) screws.



Measure the distance from the wall to the center of the chimney.



Mark this distance near the top of the sauna wall.

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Wood Stove Installation (Chimney out the side wall) (Optional)



Take the 3 chimney support boards and pre place 3 – 3" (76mm) screws into each one.

Mark the center of the board to line up with the mark in the last step.



Secure the support to the wall lining up the center to the mark placed on the wall.

Add the second and 3rd support pieces on top of the first one, with the screws in opposite orientation to avoid hitting each other.



Mark the center of the 3rd support piece and install the chimney support bracket centered on this mark with the included lag screws.



Assemble together the remaining chimney pieces.

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Wood Stove Installation (Chimney out the side wall) (Optional)



Attach the support strap around the 2 chimney pipes and tighten up.



Attached assemble chimney pieces to the "T" coming out the back of the sauna and secure with a support band.



Push the chimney in until it aligns with the top support bracket and secure it with a support band and the included bolt and washers.



Install the cap on the top of the assembled chimney.

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Wood Stove Installation (Chimney out the side wall) (Optional)



Install the bottom half of the exterior chimney shield with the provided screws.

Ensure that it is level.



Overlap the top half of the exterior chimney shield and secure with provided screws.



Mark the vent hole position high up on the back wall.

Drill out with a 2" (51mm) hole saw.

Only go half way through to prevent splintering and drill the remainder from the other side of wall.



Use a 1 ½" (38mm) screw and attach the vent board on the inside of the sauna making sure it is tight but can still be turned.

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Outdoor Pure Cube Sauna with Porch Assembly Instructions

Wood Stove Installation (Chimney out the side wall) (Optional)



Mark the vent hole positions on the side wall of the sauna, next to the stove, and drill out with a 2" (51mm) hole saw.

Only go half way through to prevent splintering and drill the remainder from the other side of wall.



Using 1 ½" (38mm) screws, screw on the vent cover.

(note that the vent guard only goes on the outside.)

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Interior

It is recommended to vacuum or sweep out the inside of your sauna frequently to remove dirt and other debris.

Under normal conditions, a slight wash of the floor and benches with warm soapy water several times a year will maintain its cleanliness. You can use a sheet of fine grit sandpaper or a low pressure wash to remove more stubborn stains or for a deeper cleaning of the interior of your sauna.

Never use ammonia or harsh cleaners as they can turn the wood gray.

Exterior

Depending on the humidity and weather conditions in your area, the cedar will either shrink or expand based on the amount of moisture absorption. The desired effect is to have the cedar expand into the bands therefore making the sauna staves much tighter.

Over time the lumber will weather naturally as a result of sun and rain, it will change into a weathered grey colour. This natural weathering will not harm the wood or impair the sauna's performance.

If you wish to retain the natural color of your Dundalk Leisurecraft Sauna, there are many cedar stains on the market and almost as many opinions as to which is best.

We encourage you to rely on your own research and referrals.

Recommended Stains Include:

Behr Premium Semi-Transparent Waterproofing Stain & Sealer

Sikkens Proluxe Cetol SRD Translucent Stain

<https://www.realcedar.com/outdoor/finishing-choices/>

Note: never treat the interior of the Sauna, and never apply paint or varnish to the exterior.



Water Seepage

Some minor water seeping into the sauna is expected and normal for an outdoor sauna.

If your sauna is properly installed, you should not have water dripping in but you should expect some water seepage, especially on the top and sides of the sauna.

This is due to the porous characteristics of the wood and to the ball-and-socket profile design of the staves. Water Seepage will not harm the sauna. The moisture will evaporate once you turn on the heater and the sauna heats up.

If the water marks are bothersome, they can be easily removed with a light sanding (80 or 100 grit)



HOW TO TAKE A SAUNA

1. Pre-heat your sauna to the desired temperature (usually between 80-100°C)
2. While it's warming up, take a nice hot shower.
3. Enter the pre-heated sauna, relax and allow your body to perspire in the soft dry heat. Do not throw water on the rocks during the first part of the session.
4. Cool off with a cold shower or a quick swim in a lake or pool.
5. Re-enter the sauna and sprinkle water on the rocks. This will increase humidity to assist in perspiration. Half a cup every 5 minutes should be enough. Too much water will just cool off the rocks and you'll get less steam.
6. After a 20-30 minute sauna, cool off in the shower or lake or pool.
7. Repeat this sauna/cold shower process as often as desired.
8. After each use, leave the door fully open for a few hours if possible so the wood can dry out.

**These are guidelines only. Enjoy your sauna in whichever way you desire.
Children must be supervised by an adult.**

WARRANTY

LeisureCraft warrants our saunas against defects in materials and workmanship under normal/residential use for a period of five (5) years, as applicable, from the date of receipt of the product by the original end-user consumer. This warranty does not apply to normal wear and tear and/or natural weather conditions. This warranty does not cover regular required maintenance of the sauna, (eg. Tightening bands on the barrels, cleaning or staining the sauna) refer to your sauna assembly manual for maintenance guidelines. This warranty does not cover misuse or negligence and the manufacturer and associated retailers are not liable for any injury or damage caused by the product. This warranty is a parts only warranty and any service or labor costs would not be considered as part of the 5 year warranty.

Purchaser Name: _____ Date: _____

Purchased From: _____

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