



homecraft SAUNAS

North America's most trusted sauna heater

The Apex Mini

6kw 240v 1 Phase
7.5kw 240v 1 Phase
9kw 240v 1 Phase

6kw 208v 3 Phase
7.5kw 208v 3 Phase
9kw 208v 3 Phase

6kw 208v 1 Phase
7.5kw 208v 1 Phase
9kw 208v 1 Phase



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For Video tutorials & helps please visit our website
(www.homecraftsaunas.com) or our Youtube channel.

Homecraft Saunas is a family-run Canadian manufacturer dedicated to creating the best sauna experience possible. As North America's largest producer of sauna heaters, we design and build every heater and control system in-house, ensuring uncompromising quality, reliability, and performance.

Our mission is simple: craft beautifully engineered products that deliver pure heat, abundant steam, and a timeless sauna experience that brings families together. Rooted in Canadian craftsmanship and driven by our passion for connection, storytelling, and memory-making, Homecraft Saunas is proud to set the standard for exceptional sauna heaters made right here in Canada.

Safety & Operational Warnings

General Warnings:

- The use of alcohol, drugs, or medications is capable of greatly increasing the risk of fatal hyperthermia
- Never leave small children unattended within the sauna room
- Never place combustible materials on the sauna heater or within the unsafe distances to combustibles
- If you have **pre-existing health conditions consult a doctor** before use
- No receptacles shall be installed inside a sauna room
- Prolonged use in a Sauna room could result in Hyperthermia. Symptoms include but are not exclusive to:
 - Failure to perceive heat / Failure to recognize the need to exit the room / Unawareness of impending hazard / Fetal damage in pregnant women / Physical inability to exit the room or unconsciousness.

Operational Safety Guidelines:

- The sauna heater must have rocks placed correctly as per manufacturer's instructions. The Heater is never to be run without rocks.
- Sauna doors must always open outwards, should never have a latch or lock that could cause entrapment Homecraft Doors use a safe roller latch.
- **Never touch a heater that is turned on** and never place objects on top of the sauna heater.
- Always check to ensure the sauna heater is turned off after use. Yearly maintenance, cleaning, and regular inspection of the sauna rocks is important.
- **GFI breakers** may cause the heater to not function properly and are not recommended or required under CSA & UL guidelines. Local electrical codes may vary.

Installing Safety Warnings:

REDUCE THE RISK OF OVERHEATING MUST BE PLACED
ON THE OUTSIDE OF THE SAUNA ROOM.



HOMECRAFT HAS PROVIDED A METAL SAFETY LABEL AND SUPPORTING HARDWARE TO BE MOUNTED ON THE INSIDE OF THE SAUNA ROOM, ABOVE THE HEATER AT EYE LEVEL.

Properly sizing the sauna heater:

The Hommecraft recommended sizing of the sauna heater is based on testing according to CSA & UL guidelines. If rooms are uninsulated and have glass adjustments need to be taken into account for heat loss. Heat loss from poorly insulated sauna rooms will have adverse affects on the sauna heater which may result in needing to upsize the wattage of your sauna heater accordingly.

Maintenance:

Routinely check the inner heating elements to ensure that they are operating correctly.
Rocks will settle, become weaker or break down over time. Yearly inspect and re-arrange your rocks.

Heater Guard:

For Safety purposes it is necessary to install a Heater Guard safely around the Sauna heater that adheres to the proper safety distances to combustible materials. The Apex Mini heater needs to have 3.5” distance to combustible materials to ensure safe and proper use.

Ventilation:

Proper venting in the sauna is important for several reasons. Firstly, to replenish oxygen inside the sauna and secondly to create airflow that will create a better ambient or consistent temperature for the sauna bather. Ideally, intake and exhaust vents are placed on opposite walls. Replenishing oxygen with proper ventilation is important for the enjoyment of the sauna experience and for an even distribution of heat within the sauna room.

Controls:

Homecraft heaters are tested and certified using the Homecraft Touchpad. Pairing the heater with non-homecraft touchpads may void the warranty of the sauna heater at the discretion of Homecraft Mfg Corporation.

If your heater won't turn on:

- Check that the electrical connections are installed correctly
- Take a multimeter and work your way to see where the power is failing
- If an error is reading on the touchpad see the troubleshooting page on the Homecraft website under resources

Placing the Sauna heater rocks

Preparation:

- **Use gloves to place rocks inside of the sauna heater as sharp edges exist inside the sauna heater**
- Remove the protective plastic on Stainless Steel before use
- Wash sauna rocks before placement inside heater

Type of Rocks:

- It is necessary to use igneous rocks in every Homecraft Sauna heater
- Rocks must not have fractures
- Rocks for the Apex Mini should be between 3” - 6” in size
- Properly wash all rock before installing inside heater

Placement inside Heater

- Sort through your rocks and choose the larger rocks to be placed first
- Sauna rocks **should be placed with space** between them to ensure air proper airflow
- Rocks should fill the Heater fully for best steam and enjoyment
- The use of improper stones that cause damage to the heater or elements may void warranty

THE APEX MINI

Sauna heater electrical specifications

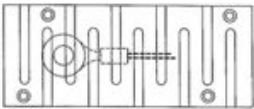
Apex mini 240v 1Phase	Output 240v	Optimal Room Size (Cubic ft)	Amps	Receommended Breaker	Wire Size 90C (194F) Copper
Mini 6kw	6000w	200 - 325	25	40amp	8
Mini 7.5kw	7500w	250 - 370	31.2	40amp	8
Mini 9kw	9000w	325 - 450	37.5	50amp	8

Apex mini 208v 3Phase	Output 208v	Optimal Room Size (Cubic Ft)	Amps	Recommended Breaker	Wire Size 90C (194F) Copper
Mini 6kw	6000w	200 - 325	16.7	30	8
Mini 7.5kw	7500w	250 - 370	20.8	30	8
Mini 9kw	9000w	325 - 450	25	40	8

Heater	Safety to combustible materials	Minimum distance from heater to ceiling	Heater Size
Mini 6 kw	3.5"	47"	14" x 32"
Mini 7.5kw	3.5"	47"	14"x32"
Mini 9kw	3.5"	47"	14"x32"

** A 78" Ceiling (or Lower) requires a 20"x20" Homecraft heat shield

A Visual Guide to your Apex Mini



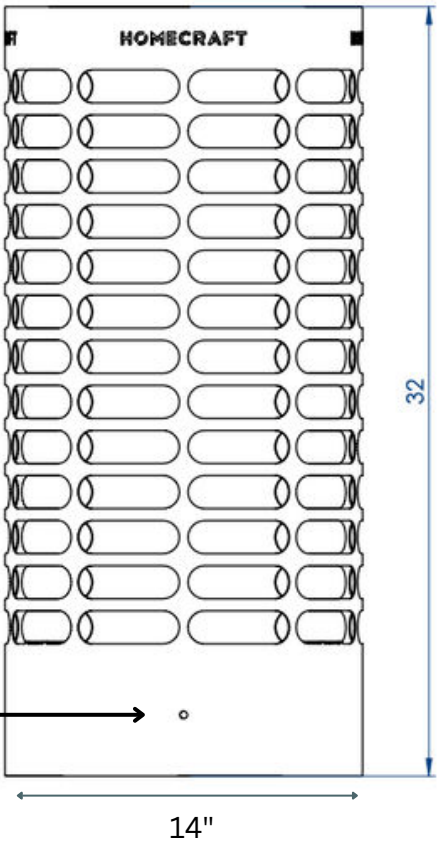
The Temperature sensor is to be installed in line with the heater, 3-5" below the ceiling.

Safety distance to a combustible ceiling is 79" or above. Any Ceiling at 78" or below needs a heat deflector or heat shield

Fill rocks to the top of the sauna heater

3.5" safety distance to combustibles

Manual High Limit Reset



A Safety heater guard must be installed around the sauna heater

A Visual Guide to your Apex Mini

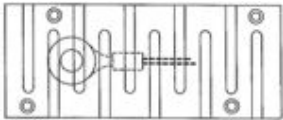
Sauna touchpad should be installed outside the sauna room. Homecraft touchpads fit a standard 2 gang electrical box



Homecraft Touchpad

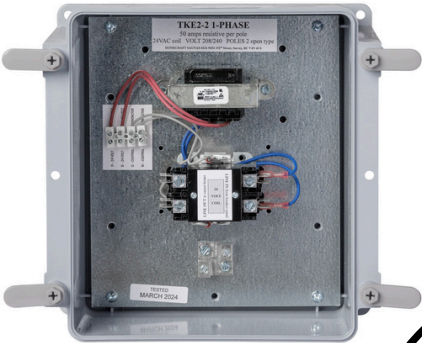
Run the appropriate **18/2 wire** from the Red thermistor to the back of the Sauna Touchpad

Temperature Sensor



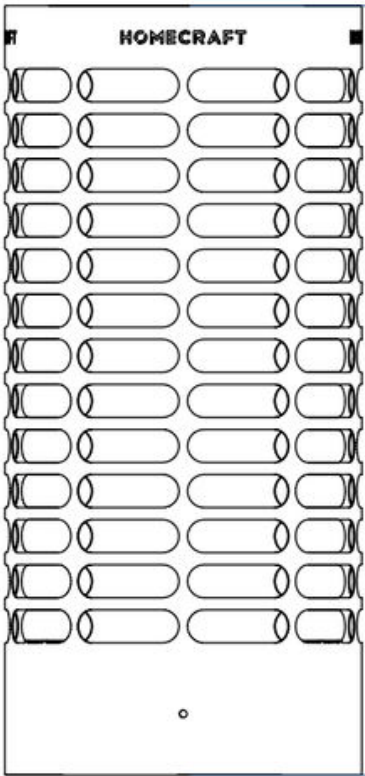
Run an appropriate **18/4 wire** from the back of the touchpad to your contactor box to power the touchpad.

Pair with appropriate Contactor box



Line in from main power source

Run properly gauged **copper 90C (194F)** rated **wire** from contactor box to the electrical box inside sauna heater



Homecraft Heater

Installing the Temperature Sensor:

Find the package marked “Temperature sensor pack”. Inside is the small red “thermistor” or temperature sensor, screws, and the metal cover.

Purpose:

The Temperature sensor (Small Red Thermistor) reads the exact temperature of the room and relays that to the control . Temperature sensors must be installed correctly inside the sauna room.

Placement:

The temperature sensor should be installed in-line with or directly above the heater and place 3-4’ from the ceiling. **(See diagram below)**

Step 1: Determine the length from the location of the touchpad to where the temperature sensor will be located to ensure sufficient **18/2 wire**.

Step 2: You will run the 18/2 from the back of the Sauna touchpad to the Temperature Sensor location inside the sauna room. Ensure proper connection. **If not connected the Sauna touchpad will read “OPEN”**

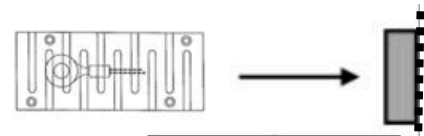
Step 3:

Step 4:

Warning: Improper placement of the temperature sensor can cause the heater to overheat or not function optimally. Placing the temperature sensor far away from the heater can cause the high limit to trip or compromise personal safety.

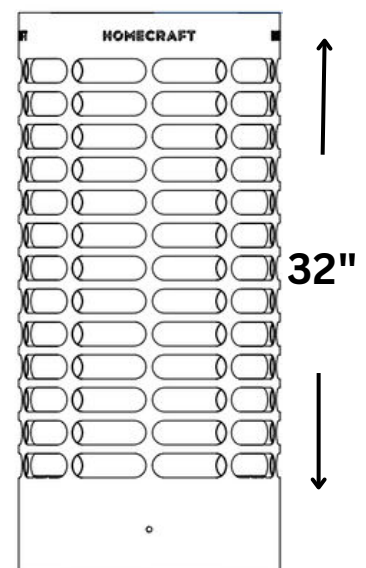
Middle Room Installations:

If the heater is installed away from the walls then it is necessary to install the temperature sensor above or to one side of the heater on the ceiling.



Heating the sauna for the first time:

- **Remove the protective film on the sauna heater** once it has been installed. Do not turn the heater on with the protective film or it will adhere to the heater, damaging it.
- **First “Bake”:** Run the heater for a minimum of 45-60 minutes to cure or bake off the oils on the heating elements.
- Ensure the heater is properly in place and the rocks are installed correctly
- Every Homecraft Heater is approved and certified under CSA & UL



NOTE: ALL HOMECRAFT HEATERS SHOULD BE INSTALLED BY A CERTIFIED OR QUALIFIED ELECTRICIAN & IN ACCORDANCE TO LOCAL REGULATIONS

Installing the TKE2-2 (mini 6,7.5,9kw) or TKE2-3 (Mini 208v 3 Phase 6,7.5,9kw) Relay Contactor Box:

Every Homecraft heater should be purchased with the correct relay contactor box & Sauna Touchpad.

Components / Parts:

- 24-volt class 2 transformer
- Appropriately sized magnetic contactor
- Low voltage 18/4 (to wire the touchpad on 1 hour control set ups) & 18/2 wires for the temperature sensor.

Placement:

- The contactor box should be installed in a location that is accessible for servicing.
- Either outside the sauna room in a weatherproof electrical box, in a mechanical room or inside the studded walls with an accessible panel
- Never place exposed or in an area where the contactor box receives direct heat from the sauna heater
- **Use 90c copper wiring from contactor box to sauna heater**

Connecting the sauna to the mains:

- Ensure the proper gauge copper wire is used for installation (Please see Page 5)
- Use only approved whip connectors from relay contactor box to heater
 - Tech cable or Metal Clad (MC) cable, specifically, MC-HL
 - Use Appropriate watertight connectors
- Unless local code requires do not use a GFI breaker to operate sauna the heater



Homecraft Digital Control / Touchpad:

- The Homecraft Sauna touchpad will mount in a standard 2 gang electrical box
- Every Homecraft touchpad is a class 2 - low voltage control
- Each 1 hour control is preset to operate at 90c or 194f and can be adjusted by holding down the temperature buttons
- Mount outside the sauna room in an area not fully exposed to weather (for outdoor saunas)

Manual High limit Switch

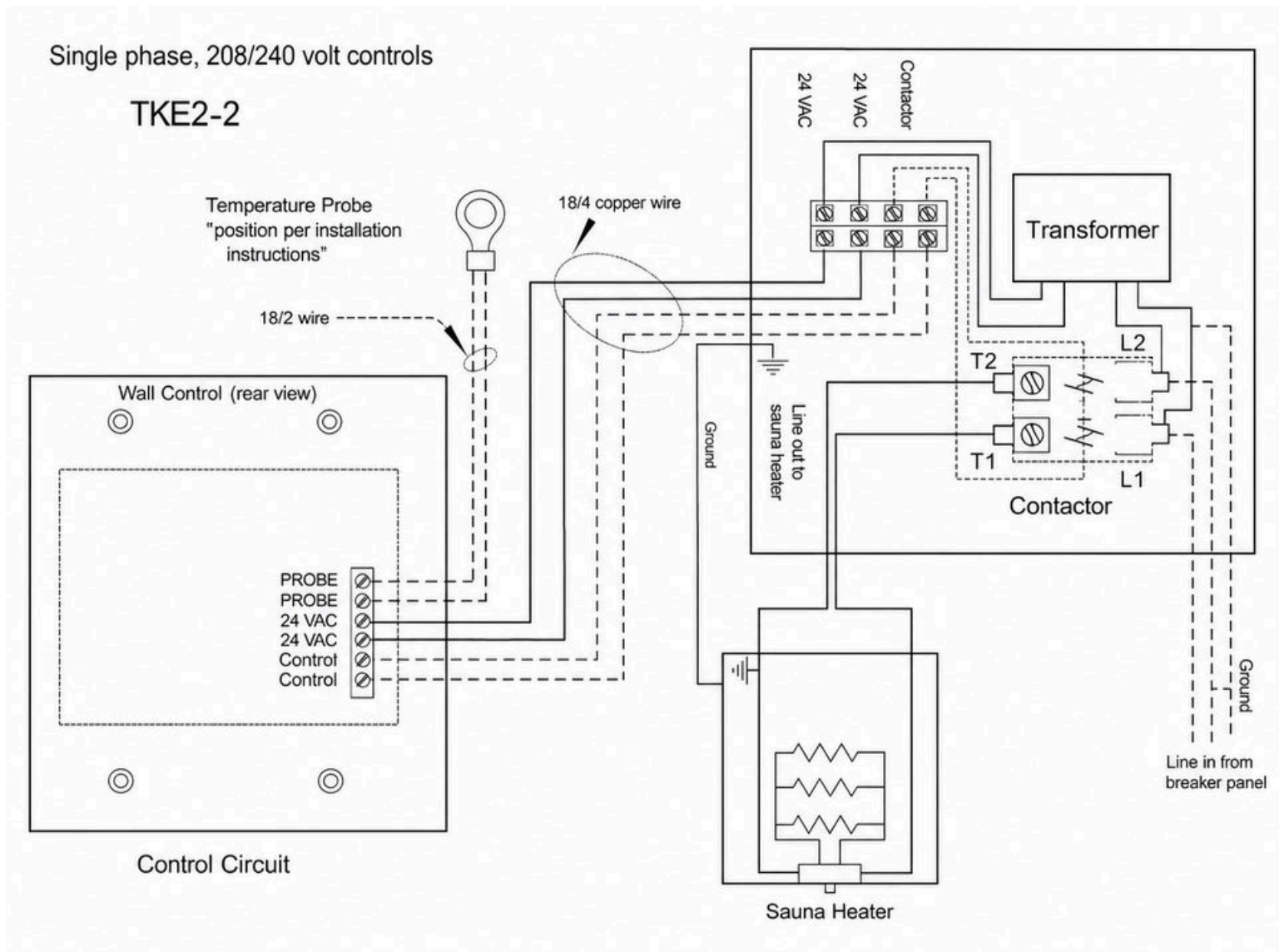
- Every Homecraft sauna heater is equipped with a thermal safety switch to prevent safe operational temperatures.
- The safety switch will shut off when / if the sauna heater overheats
- The safety switch can be found near the front lower portion of every heater and can be accessed via the small hole
- Place a small non-metallic object into the hole and you can reset the protruding tab when the high limit safety switch has tripped

Note: If the "reset safety switch" trips frequently, please contact a qualified serviceperson or reach out to Homecraft directly for assistance.

français: Si le limiteur de température à réenclenchement manuel se déclenche souvent, appelez un réparateur qualifié.

Wiring Diagrams

Tke2-2



Helpful tips:

1. 18/4 runs from the contactor box to the back of the sauna touchpad
2. 18/2 runs from the back of the touchpad to the temperature sensor (placed in line with the heater 3" below the ceiling level)
3. **Use 90c (194F) copper wire** from contactor box to the heater
4. Always check all connection points and wires to ensure they are properly tight



Click on the QR code for all manuals

WARRANTY TERMS:

THE BUYER IS OBLIGATED TO READ THE USER MANUAL AND FOLLOW THE INSTRUCTIONS AND REQUIREMENTS PRESENTED. DAMAGE TO THE PRODUCT CAUSED BY NOT FOLLOWING THE INSTRUCTIONS OR FROM IMPROPER SAUNA USE, OR TAMPERING OF THE HEATER WILL VOID THE WARRANTY. IF THERE ARE ANY DEFECTS ON THE SAUNA HEATER UPON PURCHASE, WHERE THE MANUFACTURER CAN BE BLAMED, THE BUYER HAS THE RIGHT OF POTENTIAL REPLACEMENT OR FULL REPAIR. ALL COMPLAINTS MUST HAPPEN WITHIN 30 DAYS OF PURCHASE OR SUBSEQUENT ISSUES WITHIN THE TIME PERIOD OF THE WARRANTY.

WARRANTY TERMS:

INDUSTRY LEADING 2 YEAR FULL WARRANTY ON MANUFACTURED COMPONENTS, INCLUDED IS OUR 2 YEAR WARRANTY COVERING HEATING ELEMENTS AND A 1 YEAR WARRANTY ON OTHER CONSUMABLE COMPONENTS.

WARRANTY DOES NOT COVER GENERAL WEAR THAT OCCURS FROM NORMAL SAUNA USE.

WARRANT DOES NOT APPLY WHEN:

PRODUCT HAS BEEN DAMAGED BY CARELESSNESS
PRODUCT HAS NOT BEEN INSTALLED CORRECTLY
PRODUCT HAS BEEN MODIFIED OR TAMPERED WITH

COMMERCIAL WARRANTY:

FOR ALL COMMERCIAL INSTALLATIONS, HOMECRAFT HAS A 1-YEAR WARRANTY FROM DATE OF PURCHASE. THE WARRANTY INCLUDES ALL MANUFACTURED PARTS AND COVERS DEFECTS IN MATERIALS OR WORKMANSHIP. CONSUMABLE COMPONENTS SUCH AS HEATING ELEMENTS ARE EXCLUDED FROM THIS WARRANTY.

THIS WARRANTY IS VOID IF THE HEATER IS TAMPERED WITH, NOT INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS, OR MODIFIED WITH NON-APPROVED COMPONENTS.

FOR WARRANTY CLAIMS, PROOF OF PURCHASE AND PROPER INSTALLATION DOCUMENTATION MAY BE REQUIRED.



INFO@HOMECRAFTSAUNAS.COM

Terms of Use for all Homecraft Mfg Corporation (Homecraft saunas) products.

By purchasing, installing, or using a Homecraft Saunas heater or related product, the buyer agrees to the following terms of use.

Assumption of Risk Using a sauna involves inherent risks, including but not limited to burns, dehydration, slips and falls, property damage, personal injury, or death. By using the sauna and any Homecraft Saunas equipment, the buyer and all users acknowledge and accept full responsibility for all risks associated with sauna use. Limitation of Liability To the fullest extent permitted by law, Homecraft Saunas—along with its affiliates, employees, agents, and representatives—shall not be held liable for any injuries, health issues, damages, or losses arising from the installation, operation, misuse, or inability to use the sauna or heater. This includes, but is not limited to, bodily harm, death, property damage, or economic loss. Homecraft Saunas makes no express or implied warranties beyond those specifically stated in the product warranty.

Under no circumstances shall Homecraft Saunas be responsible for incidental, indirect, special, or consequential damages related to sauna use.

User Responsibility The buyer is solely responsible for: Reading, understanding, and following all installation, maintenance, and operating instructions provided in the product manual.

- Ensuring the sauna and heater are installed by a qualified professional in accordance with local electrical and building codes.
- Maintaining the sauna and heater in accordance with Homecraft Saunas' guidelines.
- Ensuring all users are informed of the risks associated with sauna use and that individuals with medical conditions consult a physician before using the sauna.
- Avoiding any modifications or alterations to the heater or sauna components. Any unauthorized changes void the warranty and may result in unsafe or hazardous operation.

Indemnification The buyer agrees to indemnify, defend, and hold harmless Homecraft Saunas from any claims, damages, liabilities, losses, costs, or expenses (including legal fees) arising from improper installation, misuse, or failure to follow provided guidelines. For technical support or warranty-related inquiries, please contact Homecraft Saunas Customer Support.

Thank You from Homecraft



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