

HARVIA HEATER ELECTRICAL SPECIFICATIONS

Electrical Requirements:

BC30 3.0 kW Heater-220V, 20 AMPS

BC35 3.5 kW Heater-220V, 20 AMPS

BC45 4.5 kW Heater-220V, 30 AMPS

Heater Wiring:

The Harvia electric heater requires (2) hot wires and a ground wire. There is no Neutral.

Black Wire = HOT

Brown Wire = HOT

Blue Wire = Ground

No Neutral Wire

Interior Light Wiring:

The sauna light can be wired into the heater electrical panel so that it comes on and off when the heater is on/off. The interior light is 240V. It can also be wired on a separate switch. Refer to the light wiring instructions below for wiring the light into the heater.

Light Wiring Diagram: (BC30 and BC35 Models)

Red Light Wire Connect to terminal "P"

Black Light Wire Connect to terminal "N"

Light Wiring Diagram: (BC45 Model)

Red Light Wire Connect to terminal #3

Black Light Wire Connect to terminal #7

HARVIA HEATER OPERATING INSTRUCTIONS

The Harvia heater uses two dials – the thermostat and the timer.

The thermostat is on the right side of the heater and controls the temperature of the sauna. Set it according to your personal preference. It's always good to set it to MAX to start. The timer is on the left side of the heater. It turns the heater on and off and has the ability to delay the start.

To immediately turn the heater on, turn the temperature control to MAX. Turn the timer to the gray 1-4 section. Each number represents one hour of time. For example, the number one will turn the heater on for 1 hour and it will automatically shut off after one hour. You may have to restart your heater while you are in the sauna.

The smaller numbers 1-8 refer to the number of hours for the delay start. For example, if you turn the timer to 5, your heater will begin heating in 5 hours.

For the first use of the heater, with your sauna door open, turn on your heater for 10-15 minutes to allow the non-toxic protective coating on the heating elements to burn off. It is normal to see some light smoke as this coating burns off.

PLACING THE STONES

Rinse your sauna stones before use to eliminate any residues.

Place the smaller stones in between and around the three heating elements. The stones should touch the elements, but not bend them. Reserve the larger stones for placement on top of the heating elements, covering them completely. Replace the stone guard (21, 22).

NOTE: Packing stones in too tightly will restrict airflow and affect the efficiency of your heater. Loosely position the stones around and above the heating elements. It is common to have stones left over.

USING YOUR SAUNA HEATER

Your sauna has been paired with an appropriately sized heater to consistently achieve temperatures of 160°-180°F. You should expect your sauna to be at a useable temperature in 45-60 minutes.

You have the option to pour water onto the stones to generate steam. Please note, little water is required to achieve this. For most sauna users, a ladle full of water is sufficient. If too much water is poured onto the stones, it will drip out the base of the heater and should be wiped up with a towel after the sauna session.

If you'd like to continue the sauna session after the automatic one-hour shutoff, simply restart the heater. Consult your sauna manual for the typical sauna routine and enjoy!

TROUBLESHOOTING

1.) If the sauna heater does not operate after the initial installation:

- Check the breaker to be sure it is on
- Verify with your electrician that 240 volts are reaching the heater
- Double-check that the timer is being operated correctly(refer to operating instructions)

2.) If the sauna heater operates but the sauna room does not come to temperature:

- Verify the timer has not timed out. If it has, restart it.

-Assess how the stones are placed around the heating elements. If they are packed too tightly, it will restrict air flow and affect the efficiency of your heater. Reposition the stones if needed.

-Make sure the heater is mounted 4-6 inches off the floor for efficient airflow.

-Check to see if all 3 heater elements are glowing burnt orange after 10-15 minutes.

If all 3 heater coils are not glowing burnt orange then most likely the heater is not receiving 240V.

If none of the above recommendations get your heater working, please call SunRay Saunas at 800-976-5530 to diagnose further.