

Planning for your Bellwether Roaster



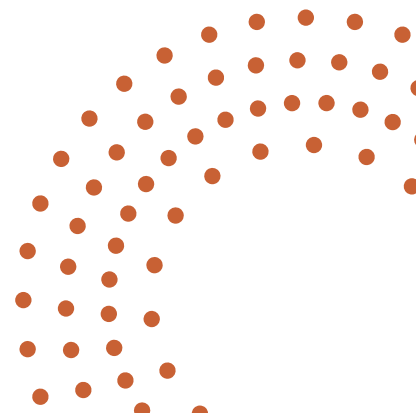
We created the Bellwether Roaster to fit seamlessly into any retail environment. Every aspect of the roaster has been thoughtfully designed to meet the demands of a busy coffee company without disrupting the comfort of staff and guests. While the Bellwether enables you to roast from just about anywhere, this guide addresses some common site requirements you will need to consider when planning for your roaster.

Site Requirements

1. Physical Location
2. Electrical and Power
3. Network Connection
4. Workspace
5. Delivery Access



Bellwether Coffee



Location Requirements

Dimensions

- The Bellwether measures 31-1/16" deep, 35" wide, and 76" high and will require a space that is large enough to accommodate the footprint plus the additional clearance outlined below.

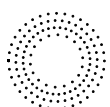
Clearance

- 5" space behind the roaster
- 6" on each side
- 8" of space above

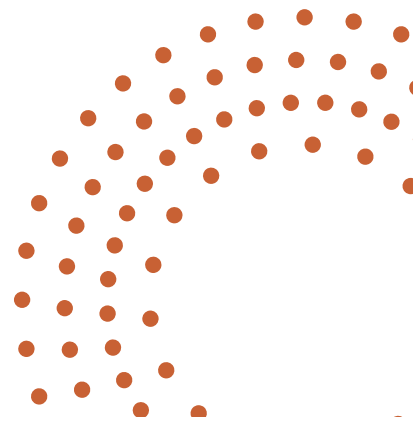
PLEASE NOTE: Technicians will need to access the back panel during service which may require additional clearance when rolling the roaster in and out of place.

Flooring

- The Bellwether weighs 1400lbs and is housed on locking wheels.
- While most flooring is adequate to support the roaster, optimal floor types are concrete, stone, or durable hardwood or plywood.
- Some types of softwood, carpet, tile or vinyl may be unable to support the roaster. In these cases, you may need to cover flooring with plywood to assist installation, and possibly reinforce the installation site with plywood or another load bearing material.
- If your location has a subfloor that is not concrete or is wood over a crawlspace, you may require a structural engineer ensure the floor is sound enough to support the weight
- It is possible to reinforce a floor with structural support work, although this will require the assistance of a contractor.

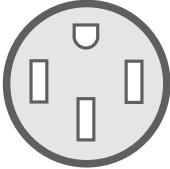


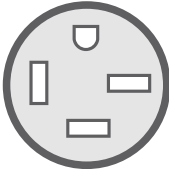
Bellwether Coffee



Electrical Requirements

The Bellwether can be operated using a 208v 3-phase or 240v 1-phase service, and requires a dedicated 50 Amp circuit. The roaster comes equipped with a 6-foot (183cm) cord and will be outfitted with the correct plug for your location.

Electrical specifications single-phase		
USA/Canda	240 VAC, 1-phase 60 Hz 50 amp circuit 36 amp max draw Plug: 14-50P	

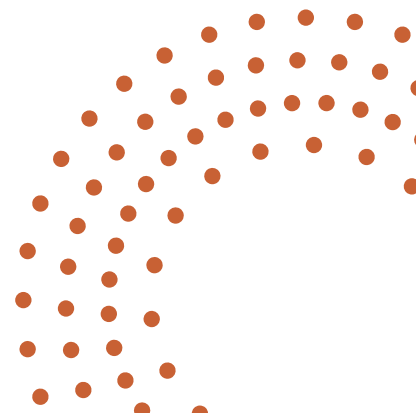
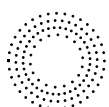
Electrical specifications three-phase		
USA/Canda	208 VAC, 3-phase 60 Hz 50 amp circuit 36 amp max draw Plug: 15-50P Delta	

What to know about outlets

- Outlets fit for 208 1-phase or 240 3-phase will not work as is and will require updating in one of the scenarios below:
- A 208-volt, 1-phase outlet can be used, but the circuit needs to be rated to 60 amps. This usually means both the breaker and the cabling need to be upgraded. Bellwether can supply a transformer to complete the setup.
- If your municipality or building does not have access to 240-volt power or three-phase 208- volt power, an electrician can install a 60 Amp circuit, the breaker, and the cabling.
- If your location does not already have the correct outlet, an electrician can easily upgrade an existing outlet to one specified above.

What to know about power

- In the event that your location does not have an available, dedicated 50 or 60 Amp breaker, you can ask your electrician to add one, provided there is an available slot on your breaker box, and the available power to do so.
- In some cases, if no slot is available to add another circuit, your electrician may be able to install a sub-panel with additional circuits, provided the building has enough power to supply the extra amperage
- If your location does not have sufficient incoming power to add another 50 or 60 Amp circuit, you and/or your landlord will have to request a power service upgrade from your utility provider, which will also necessitate an upgrade of the breaker box.



Network and Connection

Internet Connection

- The Bellwether Roaster requires a robust internet connection and an ethernet jack, ideally located near your roaster's electrical outlet, for basic operation. Most existing broadband connections are sufficient but we recommend the following site requirements and minimum bandwidth recommendations to ensure success.

Location

- Your ethernet jack will need to be located next to your roaster's power outlet, no more than 15 feet away from the roaster with no obstructions.

Connection

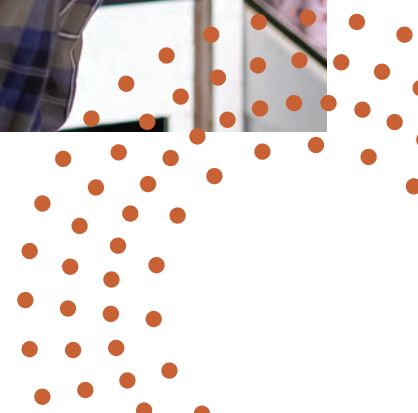
- Broadband internet with an open Ethernet port connected to the internet is required.

Speed

- Minimum 5mbps upload speed and 15mbps download speed required
- You can use [fast.com](https://www.fast.com) from the roaster's intended location to verify speed



Bellwether Coffee



Workflow and Coffee Storage

Coffee Packaging Bags

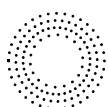
- You will need to designate an area you will use to rest, package and store your roasted coffee. Depending on the volume of coffee you'll be producing, we recommend an area from just a few cubic feet, to larger format prep tables. Our Customer Success Team can help you plan for your unique needs

Green Coffee Storage

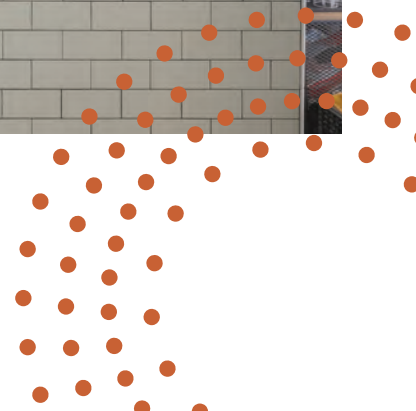
- Full size coffee bags range from 132-154lbs and are only shipped on pallets via freight. A standard pallet is 48"x40" and requires a forklift or a pallet jack to deliver and move. Individual coffee bags can be moved by hand, but this requires two strong people in a team lift.

Boxes

- Boxes are 12" x 8" x 14" and weigh 24lbs each - they're shipped through the mail so no need for additional receiving procedures.
- The Bellwether Marketplace offers green coffee in two sizes - large burlap bags and smaller format boxes. You will need adequate space to store your green coffee that is off the ground and protected from moisture.



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Delivery Access

While the installation site for the roaster may be the right size and specification, we also need to ensure that the pathway to install the roaster meets these basic requirements:

Stairs

- All stairs require the use of a heavy lifting company and will incur an extra fee of \$500 plus \$200 for every step.
- Some narrow stairs and landings are un navigable for the roaster and won't accommodate installation.

Doorways

- Doorways into the building and along the delivery path must be a minimum of 36" which is the standard width of a normal doorway.
- Narrow doorways, or those where the door is obstructed from fully opening and clearing the jam, will not be suitable for the roaster to travel through. Doorway height will need to exceed 76 inches.

