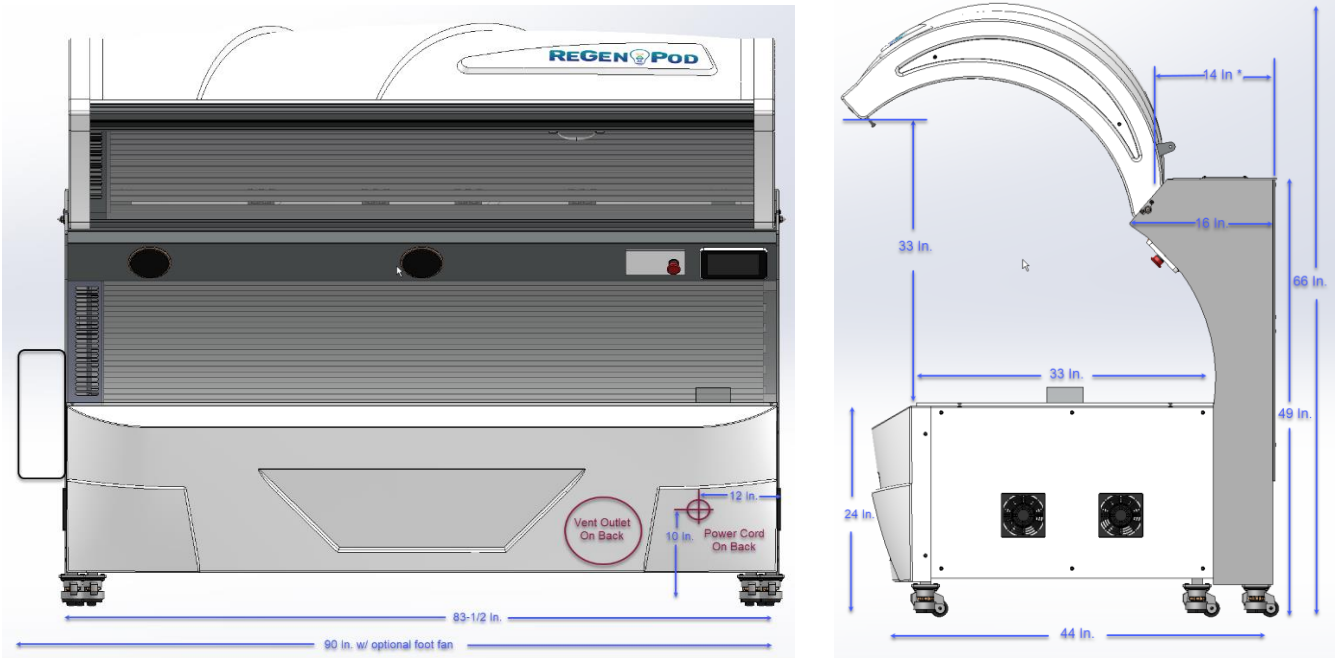


ReGen Pod Installation Recommendations

Pod Size

The pod is 83-1/2 in. wide on the inside and 90-inch long including the optional foot fan. It is 44 inches deep and open to a height of 68 inches. The inside depth is 33 inches.



Weight

Pod	Weight
Q4 and S3	650 lbs.
Q8	950 lbs.

Room Entrance

The ReGen Pod can be broken into 3 pieces that will fit through a standard 32-inch door. If the door is in a hallway, the hallway must be at least 48 inches wide to allow system to be turned to fit through the doorway. The canopy and base can be set on their end to easily pass through any door but the back-frame is 16 X 49 x 84 inches, so it is the hardest piece to get around corners.

Room Size

The smallest recommend room size is 9.5 feet by 9.5 feet. This will give enough room for the pod, the kiosk, one chair and small table. The larger the room, the better the experience. A more ideal room is 10 feet by 11 feet.

Direct Venting

Every ReGen Pod comes with a built-in direct-vent system. On the R8, this is an internal centrifugal fan attached to a 6-inch flex duct that removes air from inside the top of the pod and vents it out at about 250-350 CFM. If the system is used more 20% of the day and the building has a suspended ceiling, the ductwork can be attached to an interior wall and it will push air inside the wall into the larger air volume above the suspended ceiling. This vent can also be attached to a pass-through (like a dryer vent) to the outside. The Q4 has a 4 inch flex duct and delivers about 180CFM. This system has a thermostat so it will only run when the temperature inside the pod exceeds about 85 degree F.

The output of the direct vent is show in the image above. It is located on the right rear corner of the base of the ReGen Pod. If the system will be vented into the wall, locate the wall vent as close to the pod vent outlet as possible.

Room Ventilation and Cooling

If the machine is used less than 20% of the time, natural airflow, in less tropical areas, should be enough to keep the room at a comfortable temperature. As you approach maximum usage for long periods of time, the system will need additional cooling and/or ventilation.

If the HVAC system for the room has the option to run the circulation fan 100% of the time, this will get more room air exchanges and may provide enough cooling in colder temperature areas.

If the room is existing and you cannot add more cooling, you can install a vent fan (similar to a bathroom vent to remove air from the room. Prior installations have shown that a 200-300 CFM fan removing air from the room will keep the system at a comfortable temperature.

If the system will be very high usage and the room is to be designed specifically for the pod, additional HVAC can be the best option. The requirements for the room air conditioners are based on peak usage. The following chart shows the A/C requirements in tons for the Q8 systems based on the percentage of time that the system is on. In most applications, the maximum usage will be 80-90%. The numbers shown are the ADDITIONAL cooling requirements based on the addition of a Q8 Pod to the existing building load.

Runtime (% On)	30%	60%	90%
Power (watts)	2400	4800	7200
Conversion factor BTU/watt-hour	3.412	3.412	3.412
BTU/hour	8,189	16,378	24,567
Tons of A/C required	0.68	1.36	2.05



Wiring

The electrical circuit where the ReGen Pod is installed must comply with state and local electrical requirements. This system uses more power than typical appliances and requires special care to make sure that the entire circuit is up to regulations.

The power cord is 5-feet long so the wall outlet must be within 4 -1/2 feet from the base of the cord. It is located in the right rear of the assembly (see image above). Never use an extension cord with the ReGen Pod.

For ReGen Pods over 6000 watts of specified power, the systems are designed to operate off a 4-wire 208 – 240 volts circuit with a **50 amps breaker**. The system may be used on 2-phase or 3-phase power, but the current draw will be about 15% higher when using 3-phase power. This system is designed for a standard 4-wire configuration (+110 volts, -110 volts, ground and neutral). 4-wire systems have an additional ground wire that goes to the frame of the pod. With a 4-wire system, the system is still safe if there is a short to neutral. 4-wire 220-volt appliances are the current standard in the US.

Most of the competing pods are 3-wire. This is not as safe, but it is allowed in the US. If it is not possible to add the 4th wire, the ReGen Pod can be modified by a licensed electrician to be a 3-wire device. The system comes installed with a 6-foot 10-gauge 4-wire cable and standard “dryer” plug. This cable can be replaced with an equivalent twist lock cable if required.

NEMA 14-30	NEMA 14-50
Standard 4 wire 30 Amp outlet	Standard 4 wire 50-amp outlet
	
All Regen Pods less than 6000w	Any Q8 system
Models: S3, S4, Q3, Q4	Q8
	Standard Range Outlet