

Champion[®]



Turbo-charge your recycling with the world's fastest organic waste dehydrating system.

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Many "Green" conscious companies are installing on-site food waste recycling solutions to achieve their sustainability goals.

There's never been a better time to invest in on-site waste management infrastructure, as ever increasing waste costs and reductions in CO₂ emissions bolster change at the procurement level.

But how do you decide on the best application for your business?

Meet the Champion Phoenix The world's fastest food waste dehydrator.

A global leader in commercially ready waste and recycling equipment, Champion Industries, now established in the U.S.A., delivers cutting edge, state of the art, waste and recycling technology, primed for "at source" application.

The Champion Industries Phoenix Dehydrator system, turbo-charges the food waste decomposition process through accelerated dehydration and agitation, reducing the original waste volume by between 80 and 93%.

User friendly and environmentally efficient, the Phoenix is designed with safety and operational functionality in mind. Unlike other machines in the marketplace, the Champion Phoenix unit does not require additives such as microbes, enzymes or fresh water and, whilst operating at safe temperatures, it eliminates pathogens and potential biohazards without the emissions normally associated with this process.

Capable of 2 cycles every 24hrs, the Champion Phoenix is available in 6 different sizes, suitable for any application.

Features include:

Programmable Logic Controllers (PLCs); an intuitive power saving mode, which saves electricity during and after each cycle. Additional safety features include: anti jamming sensors, single button, Start, Stop and Discharge functionality, overload sensors and integrated, factory fitted bin lifters, fully automated, so no more lifting heavy bins physically.

The Champion Phoenix clients are some of the most reputable both domestically and internationally. With such advocates as the US Navy, Hilton Hotels, various Universities and theatres such as IMAX, (the world's largest), and some of the largest shopping malls globally, the Phoenix system has proven time and time again to deliver outstanding results. And with distributors throughout Australia, S.E. Asia, Europe and the Middle East, the benchmark in best practice food waste systems is now available in the United States of America.

How does Champion Phoenix compare to other organics solutions?

The cost of the solution is fixed, giving you control of your organic waste disposal costs at a time when many landfills are charging premium tipping rates and the procurement of other composting machines does not present a feasible return on investment.

Benefit from reductions in net GHG and waste transport costs overall.

Significantly increase diversion from landfill and avoid harmful methane emissions.

Dried remnants are biologically stabilized resulting in zero fermentation or pathogen risks. And with less than 10% residual material, reclassified as a soil amendment, many clients make arrangements with local farmers and agricultural centers that are more than happy to collect the material and put it back to pasture, closing the loop on food waste.

F.A.Q.

How long does it take?

The dehydration process takes from 7 up to a maximum of 24 hours depending on machine size and waste composition. The machine stops automatically when its sensor detects the waste has reached 4~6% moisture content.

What can't go into the machine?

Plastics, metals, medicines, large meat or rib bones, large seafood shells and crustaceans, all of which act as contaminants and may damage the machine.

What about green waste?

Most green waste is acceptable except large wood cuttings and treated timber. Flowers and other soft plant matter are particularly efficient at reducing in volume.

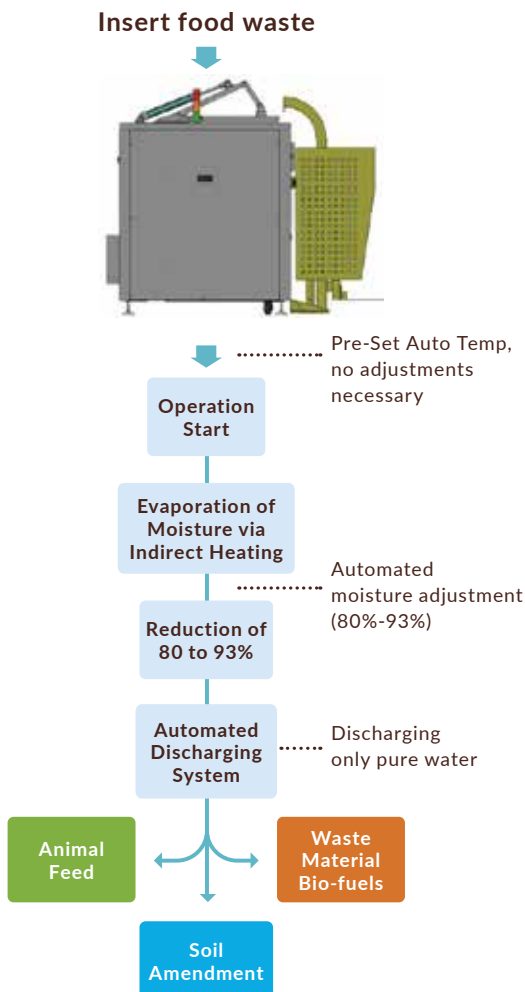
What about contamination such as plastics?

The machine operates at 183.2°F/84°C so it doesn't melt plastics. Some contamination is acceptable, but discouraged as it can add to maintenance costs and time to clean out the machine especially if plastics get wrapped around the impeller.

What do we do with the dried leftovers?

Depending on location, many golf courses use the sterile output mixed with chemical fertilizer saving purchases of organics. If mixed with the soil 10:1 it can be a good soil amendment or it can be placed into general waste (at 90% reduced volume).

What does the machine do?



- Converts and reduces food waste by 80-93% into sterile biomass soil amendment.
- Processes all organics including meats, fish, fruit, vegetables and paper and paper napkins up to 20% of the load.
- Machine separates the moisture content by indirect heating and converts to steam.
- Steam is then condensed and discharged into trade waste or sewer as distillate (100% sterile condensate No BOD, No TSS).
- The dried remnants are discharged free of bacteria and pathogens.
- The remaining soil amendment can be collected and diverted from landfill throughout metropolitan, regional and remote areas.

PHX-250

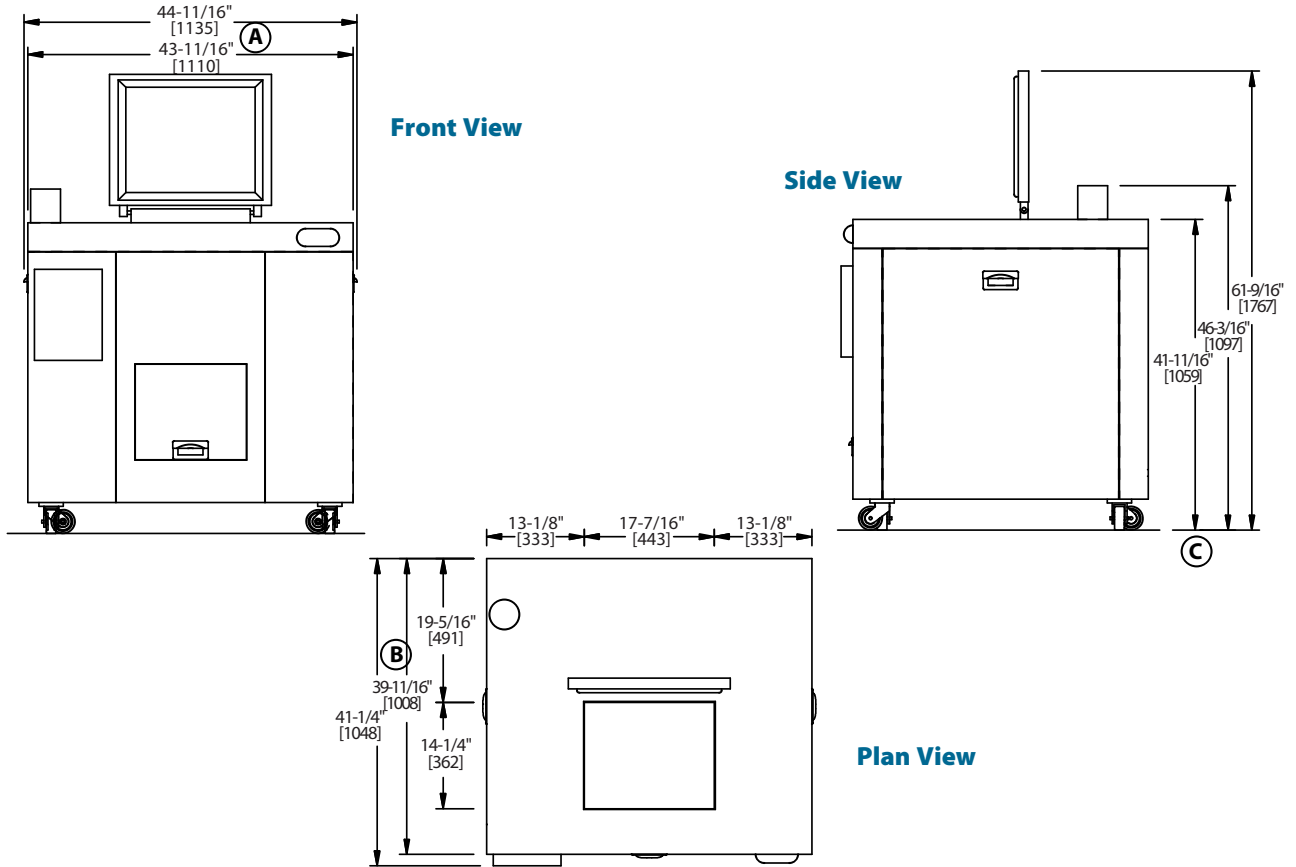
(Shown)

Phoenix
Recycling Machines

Champion®

Shipping weight crated: 218 lbs.

Dimensions shown in inches



SPECIFICATIONS

MODEL	PHX-250	PHX-320	PHX-700	PHX-700AL	PHX-900	PHX-900AL	PHX-1400AL	PHX-2400AL
Capacity lbs	220	320	700	700	900	900	1400	2400
Cycle Times (hours)	14-18	14-19	15-19	15-19	17-22	17-22	18-23	18-23
Volume Reduction	80-90% Weight and Volume Reduction (Varies with type of waste)							
Power Consumption (kWh/Cycle)	3.2 kW	4.7 kW	6.86 kW	6.86 kW	11.9 kW	11.9 kW	16.6 kW	35.2 kW
UTILITIES	PHX-250	PHX-320	PHX-700	PHX-700AL	PHX-900	PHX-900AL	PHX-1400AL	PHX-2400AL
Supply Voltage	220V/380V/440V, 50/6-Hz, 1 Phase / 3 Phase							
Breaker Size Amps 220V / 3	12.30	21.20	40.42	44.41	52.68	55.04	73.00	73.00
Power Required (kW at full load)	15 amp	25 amp	50 amp	50 amp	60 amp	60 amp	80 amp	80 amp
Drain	Requires plumbing from condensate discharge connection to drain *Copper preferred*							
DIMENSIONS	PHX-250	PHX-320	PHX-700	PHX-700AL	PHX-900	PHX-900AL	PHX-1400AL	PHX-2400AL
Depth in. [mm]	39 [1004]	47 [1204]	51 [1300]	51 [1300]	59 [1500]	59 [1500]	63 [1620]	70 [1800]
Length/Width in. [mm]	43 [1104]	51 [1304]	59 [1830]	72 [1830]	47 [1900]	88 [2230]	93 [2367]	103 [2630]
Height in. [mm]	39 [1004]	47 [1204]	50 [1280]	65 [1650]	63 [1600]	77 [1970]	91 [2313]	101 [2570]

Warning: Plumbing, electrical connections should be made by qualified personnel who will observe all the applicable plumbing, sanitary and safety codes and the National Electrical Code.