

# HUNGRY GIANT WASTE SYSTEMS

## BIO-DEHYDRATORS

**Rent, Lease or Buy**

Starting from \$720 pw/ up to 9800 lbs p/week

### MODEL: HGF-1400AL

**Make food waste easy to process with our bio-dehydrator. Use it as a soil amendment, send it to a compost facility, or dispose of it responsibly. Your choice!**

Load your food waste into the machine where it is macerated and heated to a point where the moisture is extracted from the reactor drum. The machine then condenses the steam and discharges a clear water condensate (no total suspended solids!). The remaining dry output is 70-90% volume-reduced, inert, pathogen-free, compostable product with a variety of uses.

**1400lbs capacity of food waste per cycle. Great for large scale food waste generators. Add our Bio-Grinder, and you could get up to 2800lbs per cycle.**

**Features externally mounted liquid cooling towers to maximize efficiency. Average cycle time 18-23 hours. Single button operation for loading.**



MODEL	HGF-1400AL
Cycle Times/Full Load (capacity per cycle)**	1 Cycle 1400lbs/635kg 18-22hrs
Possible Cycles Per Day**	1
Approximate Capacity per day (full 24 hours) **	1400lbs/635kg
NOTE: CYCLE TIME WILL VARY FROM LOAD TO LOAD DEPENDING ON THE MOISTURE CONTENT OF THE FOOD WASTE	
Depth	58.74in/1492mm
Length/Width	87.95in/2234mm
Length/Width W/Lift	106.3in/2763mm
Height	65.11in/1654mm
Height W/Lift	68.14in/1731mm
External Condenser Size (L x W x H)	3.81ft/1160mm x 2.26ft/690mm x 3.51ft/1070mm
Drum Volume	282.66gal/1070Liters
Net weight of unit	3090lbs/1400kg
CFM output radiator	4624.3CFM = 131CMM
Delta T	86F/30c
BTU/hr = 1.08 x CFM x ΔT	429505
Converted to kW	125.9

**CAPACITY:** 1400lb/635kg (per cycle)

**LENGTH:** 88in/2234mm

**DEPTH:** 59in/1492mm

**HEIGHT:** 65in/1654mm

**CYCLE TIME:** 18-22 hours

\*Rental is approximate, with 10% balloon, over 60 months. Excludes delivery, installation, training, optional extras, for those WAC. Third party equipment financiers will assess credit risk. Figures may vary.

Note: figures may vary due to psychrometrics as air density (height above sea level), air temperature, humidity etc.

Note: Specifications of all models may be changed without prior notice

\*\* ML designates "Manual Load" \*\*AL designates "Automatic Load"

\*\* Approximate capacity daily and capacity per cycle is a range and not to be construed as an exact calculation as the bio reactor drums are a fixed volume, but density and moisture content of food waste varies.

\*\* If food waste is pulped and dewatered, processing times will improve and increase daily capacity of units.

\*\* 1CMM = 1CFM \* 35.3/1CMM = 35.3CFM

HUNGRY GIANT WASTE SYSTEMS LLC

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