

FWS

Food Waste Solutions
GLOBAL EMC, KOREA

BIO-DEHYDRATORS

HGF-2400AL

Processing up to 72,000 lbs [30 tons] p/m

MODEL: HGF-2400AL

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.

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 80-90% volume-reduced, inert, pathogen free, compostable product with a variety of uses.

Our largest model- 2400lbs [1088kg] of food waste per cycle. Featuring externally mounted liquid cooling radiator to maximize efficiency.

Designed for food producers, large scale food distributors and processors, food banks, agriculture, multi-tenant precincts, military, marine, mining and the like. Average cycle times are 20-24 hours. Single button operation, and fully automated loading with the bin lifter.



MODEL	HGF-2400AL
Cycle Times/Full Load (capacity per cycle)**	1 Cycle / 18-22hrs 2400lbs / 1088kg
Possible Cycles Per Day**	1 Cycle
Approximate Capacity per day (full 24 hours) **	2400lbs / 1088kg
NOTE: CYCLE TIME WILL VARY FROM LOAD TO LOAD DEPENDING ON THE MOISTURE CONTENT OF THE FOOD WASTE	
Depth	70.96in / 1802mm
Length/Width	88.28in / 2242mm
Length/Width W/Lift	112.71in / 2863mm
Height	73.67in / 1871mm
Height W/Lift	79.84in / 2028mm
External Radiator Size (L x W x H)	51.57in / 1310mm x 29.92in / 760mm x 37.99in / 965mm
Drum Volume	484.23gal / 1833Liters
Net weight of unit	3530lbs / 1600kg
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: 2400lbs / 1088kg (per cycle)

LENGTH: 88.28in / 2242mm

DEPTH: 70.96in / 1802mm

HEIGHT: 73.67in / 1871mm

CYCLE TIME: 18-22 hours

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.

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

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