

FWS

Food Waste Solutions
GLOBAL EMC, KOREA

BIO-DEHYDRATORS

HGF-900AL

Processing up to 27,000 lbs [15 tons]

MODEL: HGF-900AL

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.

900lbs [500kg] capacity of food waste per cycle. Featuring externally mounted liquid cooling radiator to maximize efficiency.

This is ideal for larger establishments, universities, hospitals, military facilities, remote mining, marine, and the like. Average cycle times are 17-20 hours depending on the moisture content. Single button operation, and fully automated loading with the bin lifter.



MODEL	HGF-900AL
Cycle Times/Full Load (capacity per cycle)**	1 Cycle / 17-20hrs 900lbs / 500kg
Possible Cycles Per Day**	1 Cycle
Approximate Capacity per day (full 24 hours) **	900lbs / 500kg
NOTE: CYCLE TIME WILL VARY FROM LOAD TO LOAD DEPENDING ON THE MOISTURE CONTENT OF THE FOOD WASTE	
Depth	49.31in / 1252mm
Length/Width	84.35in / 2142mm
Length/Width W/Lift	108.77in / 2763mm
Height	63.11in / 1603mm
Height W/Lift	69.23in / 1758mm
External Radiator Size (L x W x H)	35.83in / 910mm x 29.92in / 760mm x 37.99in / 965mm
Drum Volume	237.75gal / 900Liters
Net weight of unit	2645lbs / 1200kg
CFM output radiator	4518.4CFM = 128CMM
Delta T	86F / 30c
BTU/hr = 1.08 x CFM x ΔT	419669
Converted to kW	123

CAPACITY: 900lbs / 500kg (per cycle)

LENGTH: 84.35in / 2142mm

DEPTH: 49.31in / 1252mm

HEIGHT: 63.11in / 1603mm

CYCLE TIME: 17-20 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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