

# FWS

*Food Waste Solutions*  
*GLOBAL EMC, KOREA*

## BIO-DEHYDRATORS

### HGF-1400AL

Processing up to 42,000 lbs [21 tons]

## 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.

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.

**1400lbs [700kg] capacity 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 18-22 hours. Single button operation, and fully automated loading with the bin lifter.**



| MODEL                                                                                                   | HGF-1400AL                                           |
|---------------------------------------------------------------------------------------------------------|------------------------------------------------------|
| Cycle Times/Full Load (capacity per cycle)**                                                            | 1 Cycle / 18-22hrs<br>1400lbs / 700kg                |
| Possible Cycles Per Day**                                                                               | 1 Cycle                                              |
| Approximate Capacity per day (full 24 hours) **                                                         | 1400lbs / 700kg                                      |
| <b>NOTE: CYCLE TIME WILL VARY FROM LOAD TO LOAD DEPENDING ON THE MOISTURE CONTENT OF THE FOOD WASTE</b> |                                                      |
| Depth                                                                                                   | 59.15in / 1502mm                                     |
| Length/Width                                                                                            | 84.35in / 2142mm                                     |
| Length/Width W/Lift                                                                                     | 108.77in / 2763mm                                    |
| Height                                                                                                  | 66.61in / 1692mm                                     |
| Height W/Lift                                                                                           | 72.72in / 1847mm                                     |
| External Radiator Size (L x W x H)                                                                      | 51.57in / 1310mm x 29.92in / 760mm x 37.99in / 965mm |
| 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:** 1400lbs / 700kg (per cycle)

**LENGTH:** 84.35in / 2142mm

**DEPTH:** 59.15in / 1502mm

**HEIGHT:** 66.61in / 1692mm

**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

*Food Waste Solutions*  
*GLOBAL EMC*

FOOD WASTE SOLUTIONS CO., LTD

259-26 Nokchon-ro, Hwado-eup, Gyeonggi-do, KOREA

Inquiry - E-mail: [yhlee@fwstrade.com](mailto:yhlee@fwstrade.com) / Phone: +82 70 7761 1000

## HGF-1400AL

