

# FWS

*Food Waste Solutions*  
*GLOBAL EMC, KOREA*

## BIO-DEHYDRATORS

### HGF-700AL

Processing up to 21,000 lbs [9 tons] p/m

## MODEL: HGF-700AL

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.

**700lbs [300kg] capacity of food waste per cycle.**

**This is ideal for larger restaurants, universities, multi-tenant operations, and the like. Average cycle times are 15-19 hours depending on the moisture content. Single button operation, and fully automated loading with the bin lifter.**



|             |                            |
|-------------|----------------------------|
| CAPACITY:   | 700lbs / 300kg (per cycle) |
| LENGTH:     | 65.06in / 1652mm           |
| DEPTH:      | 49.31in / 1252mm           |
| HEIGHT:     | 53.53in / 1360mm           |
| CYCLE TIME: | 15-19 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

| MODEL                                                                                                   | HGF-700AL                            |
|---------------------------------------------------------------------------------------------------------|--------------------------------------|
| Cycle Times/Full Load (capacity per cycle)**                                                            | 1 Cycle / 15-19hrs<br>700lbs / 300kg |
| Possible Cycles Per Day**                                                                               | 1-1.5 Cycle                          |
| Approximate Capacity per day (full 24 hours) **                                                         | 820lbs / 370kg                       |
| <b>NOTE: CYCLE TIME WILL VARY FROM LOAD TO LOAD DEPENDING ON THE MOISTURE CONTENT OF THE FOOD WASTE</b> |                                      |
| Depth                                                                                                   | 49.31in / 1252mm                     |
| Length/Width                                                                                            | 65.06in / 1652mm                     |
| Length/Width W/Lift                                                                                     | 89.52in / 2274mm                     |
| Height                                                                                                  | 53.53in / 1360mm                     |
| Height W/Lift                                                                                           | 59.7in / 1516mm                      |
| External Radiator Size (L x W x H)                                                                      | X                                    |
| Drum Volume                                                                                             | 124.16gal / 470Liters                |
| Net weight of unit                                                                                      | 1770lbs / 800kg                      |
| CFM output radiator                                                                                     | 2259.2CFM = 64CMM                    |
| Delta T                                                                                                 | 86F / 30c                            |
| BTU/hr = 1.08 x CFM x ΔT                                                                                | 209834                               |
| Converted to kW                                                                                         | 61.5                                 |

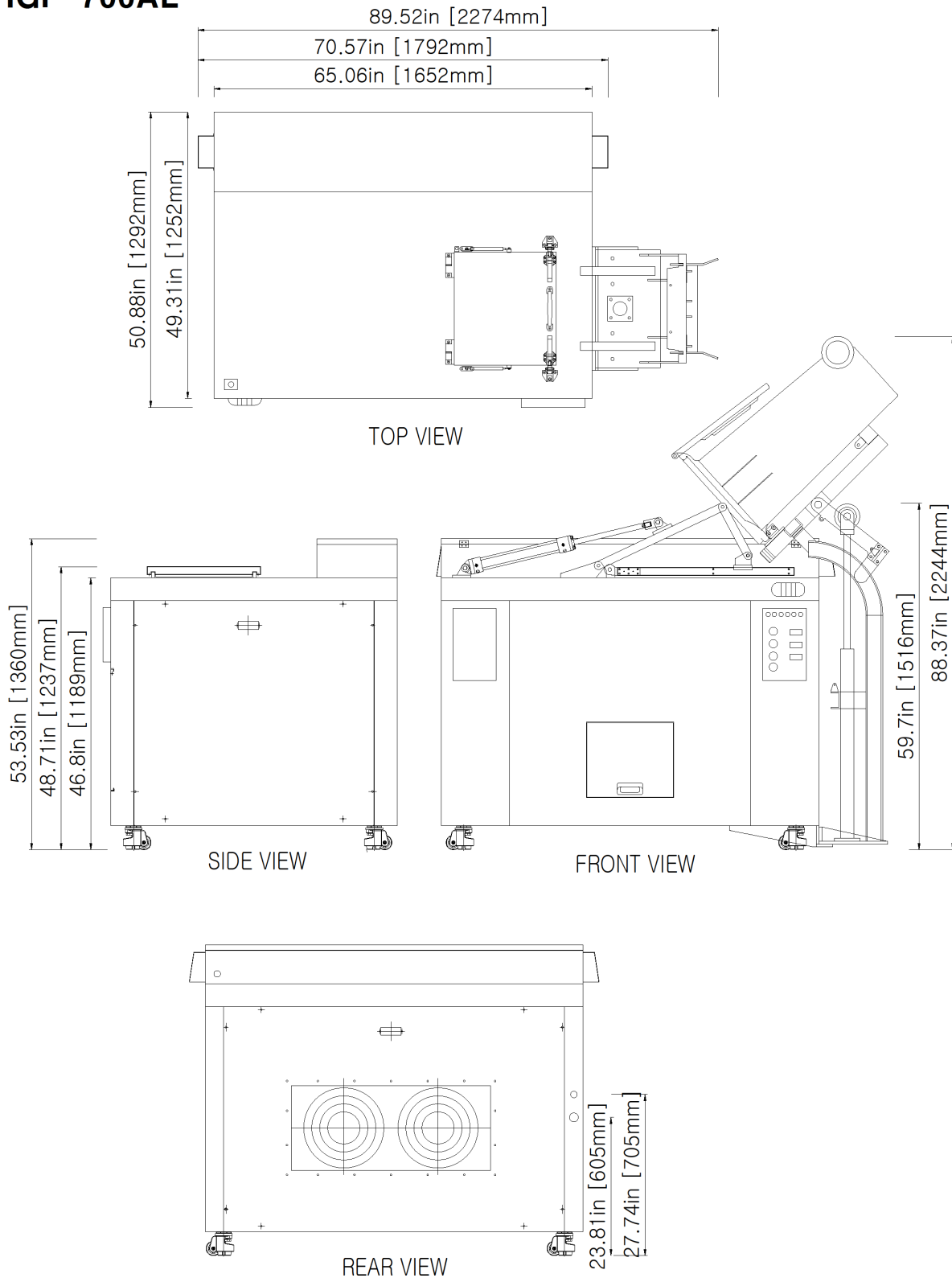
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FOOD WASTE SOLUTIONS CO., LTD

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

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

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