

FWS

Food Waste Solutions
GLOBAL EMC, KOREA

MODEL: FD-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.

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.

CAPACITY: 700kg / 1400lb (per cycle)

LENGTH: 2142mm / 84.35in

DEPTH: 1502mm / 59.15in

HEIGHT: 1692mm / 66.61in

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

BIO-DEHYDRATORS

FD-700AL

Processing up to 21 tons [42,000 lbs] p/m



MODEL	FD-700AL
Cycle Times/Full Load (capacity per cycle)**	1 Cycle / 18-22hrs 700kg / 1400lbs
Possible Cycles Per Day**	1 Cycle
Approximate Capacity per day (full 24 hours) **	700kg / 1400lbs
NOTE: CYCLE TIME WILL VARY FROM LOAD TO LOAD DEPENDING ON THE MOISTURE CONTENT OF THE FOOD WASTE	
Depth	1502mm / 59.15in
Length/Width	2142mm / 84.35in
Length/Width W/Lift	2763mm / 108.77in
Height	1692mm / 66.61in
Height W/Lift	1847mm / 72.72in
External Condenser Size (L x W x H)	1310mm / 51.57in x 760mm / 29.92in x 965mm / 37.99in
Drum Volume	1070Liters / 282.66gal
Net weight of unit	1600kg / 3530lbs
CFM output radiator	4624.3CFM = 131CMM
Delta T	86F/30c
BTU/hr = 1.08 x CFM x ΔT	429505
Converted to kW	125.9

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