

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

MODEL: FD-1000AL

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- 1000kg 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.



CAPACITY:	1000kg / 2400lb (per cycle)
LENGTH:	2242mm / 88.28in
DEPTH:	1802mm / 70.96in
HEIGHT:	1871mm / 73.67in
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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Cycle Times/Full Load (capacity per cycle)**	1 Cycle / 18-22hrs 1000kg / 2400lbs
Possible Cycles Per Day**	1
Approximate Capacity per day (full 24 hours) **	1000kg / 2400lbs
NOTE: CYCLE TIME WILL VARY FROM LOAD TO LOAD DEPENDING ON THE MOISTURE CONTENT OF THE FOOD WASTE	
Depth	1802mm / 70.96in
Length/Width	2242mm / 88.28in
Length/Width W/Lift	2863mm / 112.71in
Height	1871mm / 73.67in
Height W/Lift	2028mm / 79.84in
External Radiator Size (L x W x H)	1310mm / 51.57in x 760mm / 29.92in x 965mm / 37.99in
Drum Volume	1833Liters / 484.23gal
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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