

MODEL: FD-500AL

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.

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.

CAPACITY:	500kg / 900lb (per cycle)
LENGTH:	2142mm / 84.35in
DEPTH:	1252mm / 49.31in
HEIGHT:	1603mm / 63.11in
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

BIO-DEHYDRATORS

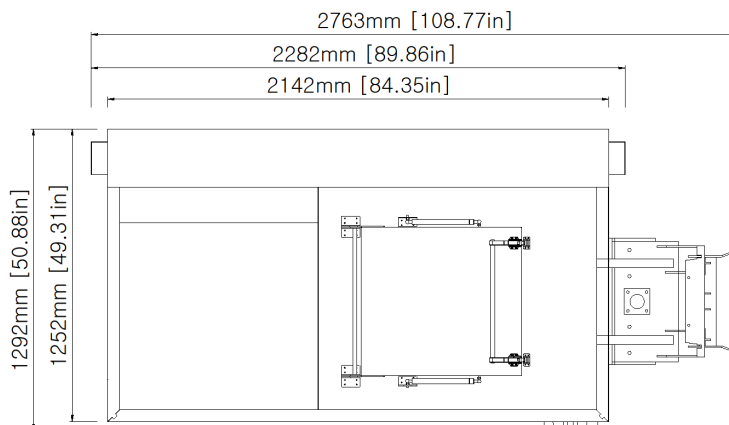
FD-500AL

Processing up to 15 tons [27,000 lbs] p/m

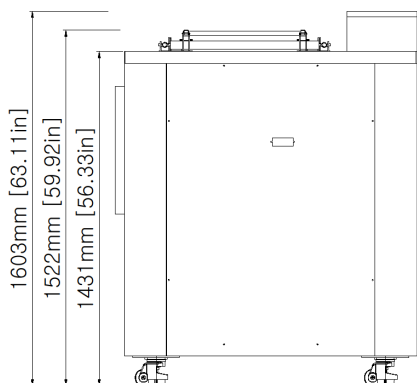


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Cycle Times/Full Load (capacity per cycle)**	1 Cycle / 17-20hrs 500kg / 900lbs
Possible Cycles Per Day**	1 Cycle
Approximate Capacity per day (full 24 hours) **	500kg / 900lbs
NOTE: CYCLE TIME WILL VARY FROM LOAD TO LOAD DEPENDING ON THE MOISTURE CONTENT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

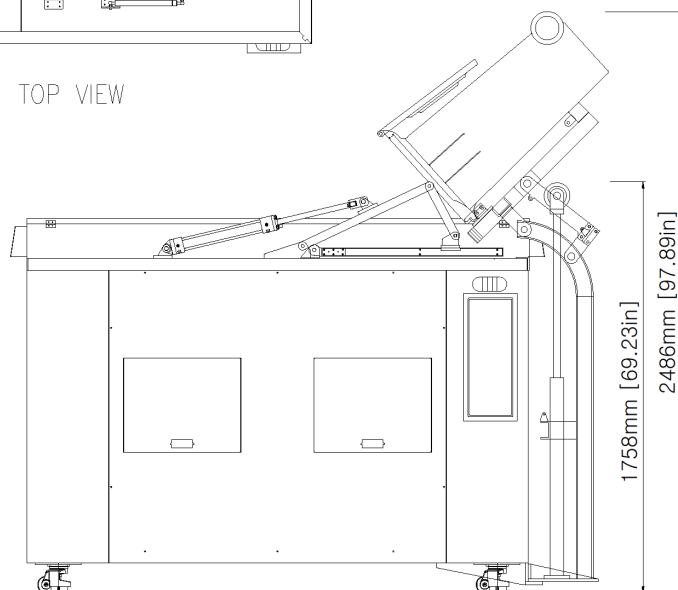
FD-500AL



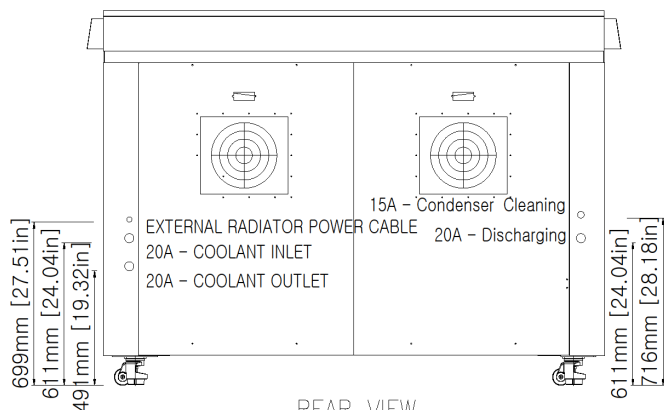
TOP VIEW



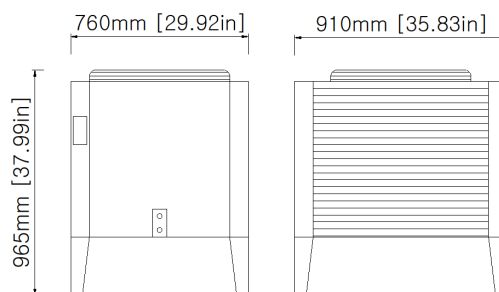
SIDE VIEW



FRONT VIEW



REAR VIEW



EXTERNAL RADIATOR