



Envirolizer - Provectus "Zed-Machine" Food Dehydration System Specifications

NEW MODELS NOMENCLATURE	EFD-050 (50 KG)	EFD-100 (100 KG)	EFD-200 (200 KG)	EFD-300 (300 KG)	EFD-500 (410 KG)	EFD-500AL (410 KG)	EFD-700AL + LIFT (700 KG)	EFD-1000AL + LIFT (1100 KG)
Cycle Period / Load	6-11 hrs	12-15 hrs	13-18 hrs	15-19 hrs	17-22 hrs	17-22 hrs	18-23 hrs	18-23 hrs

NOTE: CYCLE TIMES WILL VARY FROM LOAD TO LOAD DEPENDING ON MOISTURE CONTENTS OF THE FOOD WASTE

MACHINE SPECIFICATIONS

Depth	1004mm 39in	1204mm 47in	1300mm 51in	1300mm 51in	1500mm 59in	1500mm 59in	1620mm 63in	1800mm 70in
Length/Width	1104/43"	1304/51"	1500/59"	1900/74"	2230/80"	2230/80"	2367/93"	2630/103"
Heights	1000/39"	1209/47"	1280/50"	1280/50"	1600/63"	1970/77"	2313/91"	2570/101"

NOTE: Height measurements of machine W/Auto is approximate depending on tote size/capacity when tote is lifted

Weight/Volume Reduction	80-90% NOTE: Weight capacity is subject to variations in organic waste content. Time cycles will vary from load to load depending on moisture content of food waste. The hydration process may produce 11-20 lbs. of sterile soil amendment per 100 lbs. waste (Approx.)							
Electricity	220V/380V/440V/50/60 – HZ 1 Phase/3 Phase							
Power Usage kW/h	2.49	6.06	8.70	11.54	17.94	17.94	23.8	33.91
Power Rated (220V) kW/h	3.56	8.67	12.44	16.49	25.63	27.13	35.43	49.95
Amp (220V)	9.4	22.8	32.7	43.3	67.3	67.3	93.1	131.2
Av. Amp (70%) during operations	6.6	16.0	22.9	30.3	47.1	47.1	65.2	91.9
Ship Weight KG	400	550	790	1100	1100	1300	1800	2000
Ship Weight Lbs.	1210	1210	1240	2425	2425	2660	4000	4410

AMPERE CALCULATION-380V/50 Hz

Model	EFD-050 (50 KG)	EFD-100 (100 KG)	EFD-200 (200 KG)	EFD-300 (300 KG)	EFD-500 (410 KG)	EFD-500AL (410 KG)	EFD-700AL + LIFT (700 KG)	EFD-1000AL + LIFT (1100 KG)
Capacity	50 Kg	100 Kg	200 Kg	300 Kg	500 Kg	500 Kg	700 Kg	1100 Kg
Oil Heater	3300Wx1	3000Wx2	3300Wx3	3300Wx4	3300Wx6	3300Wx6	3300Wx8	3300Wx8
Motor	210	400	750	1500	2200	2200	3700	3700
Air Heater	x	1500	1500	1500	1500x2	1500x2	1500x2	2000x2
Condenser	9x2	15x2	66x2	66x2	100x2	100x2	200x2	200x2
Blower	35	35	50	50	50x2	50x2	50x2	50x4
Pump	x	110x1	110x1	110x1	110x3	110x3	110x3	110x5
Auto Lift	X	x	x	x	x	1500	1500	1500
Total Watt	3.563	8.675	12.440	16.492	25.630	27.130	35.430	49.950
Max Amp= (Total Watt/380V/1.73) x 1.1.1	6.0	14.5	20.8	27.6	42.9	45.4	59.3	83.6
Av Amp (70%) during operations	4.2	10.2	14.6	19.3	27.3	31.8	41.5	58.5

Calculation above may differ depending on local electricity/ 60Hz-10% | Specifications may change without prior notice

Price								
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Meet the "Zed Machine"
The world's fastest food waste dehydrator

ENVIROLIZER PROVECTUS "ZED MACHINE" FEATURES & BENEFITS

FEATURES	BENEFITS
Programmable Logic Controller (PLC)	Digital Process Control System and Monitor
Motor Overload Sensor	Eliminates Jamming
Moisture Sensor (Instead of time operation)	Saves Electricity and Shuts Off when dry
Proprietary Cooling System	Macerates bulk foods and large produce
Paddle Shaft with Duel Blades	Fastest processing of any dehydrator in the market
Automatic Open & Close Hatch	Open to accept waste and closes afterwards
Automatic Bin/Tote Lifter	Hands free safe loading of food waste
Bin/Tote Counter	No overloading of the machine
Simple One Button Start/Stop/Load/Unload	User friendly with simple to understand instructions
Stainless Steel Body	Easy to clean and maintain
Air-Tight Sealing	No leakage
Quiet Operation	Avoid noise pollution
Unique Heating System. No Venting	No surface too hot to touch
Output (Sterile Biomass and Condensate)	No pathogens, no BOD and no TSS
Enclosed Lifting Mechanisms	Machine safety cage keeps worker safe from moving parts
Discharge Safety Lock	Automatic shut off when discharge chutes are opened
Emergency Shut Off Button	Accessible to all users