



ORGANIC FOOD WASTE CONVERTER SE - 1 H

A compact and robust food waste converter for managing food waste

EQUIPMENT INFORMATION

The SE-1H is an automated on-site Food Waste Converter System that dehydrates food waste using an energy- efficient and automated control process.

The system requires no enzyme, additives or fresh water during the of the dehydration process. The system also recycles the heat energy reducing overall energy consumption.



BENEFITS

- 90% Volume Reduction
- No Bacteria/Additives
- No Fresh Water
- Low Maintenance
- No Emissions
- No Landfill Costs
- No Venting



TECHNICAL SPECIFICATION

Processing Method	Multi-stage indirect heat & dry decomposition process.
Design Type	Stand-alone, portable
Input Capacity	1000 Kg per cycle / batch
Processing Time	27-30 hours
Power Consumption	12 Kw
Tank Volume & Weight	41 Cu. Feet , 1800 Kg
Dimensions(WxLxH) in mm	1700 X 3212 X 1700
Material	Stainless steel
Average Reduction Rate	83 – 90%
Power Requirement	3-phase, 50Hz, 415V
Safety Feature	The internal impeller automatically stops when the hopper door is opened
Odour Treatment	Integrated deodorization and foul odour control.
Installation	No need for special installation or exhaust ventilation.
Treatable Items	Food waste and all compostable disposables.
Untreatable Items	Metal waste, plastic, glass, petrochemicals, cocnut shells,..
Automation Controls	PLC based GOC controller.
Warranty	1-year manufacturers Standard Warranty.

SITE REQUIREMENTS FOR THE INSTALLATION OF SE-1H

1. POWER REQUIREMENT – 3 PHASES, 50HZ, 415V
2. 3 PHASE POWER SUPPLY WITH 1 NEUTRAL AND 1 EARTH.
3. 4 SQ.MM WIRE.
4. 60 AMPS 4 POLE MCB WITH INDUSTRIAL SOCKET
5. DRAIN DUCT NEXT TO THE MACHINE FOR DISCHARGING THE OUTPUT WATER. DRAIN PIPE SIZE IS 16mm
6. SIZE OF THE MACHINE:-
 - LENGTH - 3212 mm
 - WIDTH - 1700 mm
 - HEIGHT - 1700 mm
 - WEIGHT - 1800kg
 - TANK VOLUME - 41 Cu. feet
7. SPACE REQUIRED - AROUND 100 SQ. FT INCLUDING WORKING SPACE.
8. ADDITIONAL STORAGE SPACE OF 100 SQ. FT REQUIRED FOR STORING THE NON BIO DEGRADABLE ITEMS AND SOIL SUPPLEMENTS DISCHARGED FROM MACHINE.
9. AREA OF INSTALLATION – GROUND AREA.
10. THE AREA TO BE ENCLOSED WITH HALF WALL AND HALF WIRE MESH OF TOTAL 7 FT HEIGHT TO PROVIDE ADEQUATE VENTILATION FOR THE UNIT.
11. 2 FT CLEARNESS FOR THE LEFT, RIGHT AND REAR SIDE OF THE MACHINE, MINIMUM 6 FT WORKING SPACE TO BE AVAILABLE IN FRONT OF THE MACHINE.
12. FIRE EXTINGUISHER TO BE PROVIDED FOR EMERGENCY REQUIREMENTS.