



## ECO Mobile

### technical **description**

**General:** EWS' proven ECO Model was technologically re-engineered to create the ECO Mobile containerized incinerator. This innovation was designed for ease of transport, minimal assembly and immediate activation.

**Formats:** Available with either batch or continuous feed operation.

**Controls:** Main Control Panel contains motor starters, overloads and relays for all components with single-point electrical connection. Programmable Logic Controller (PLC) monitors system functions and provides automated control to the package.

**Containerization:** This incinerator and any supplied accessories are permanently containerized using ISO standard shipping containers in 20' or 40' lengths.

**Temperatures:** Primary Chamber: 1200°F-1560°F(650°C-850°C) Secondary Chamber: 1832°F(1000°C) with a minimum retention time of 2 seconds.

### technical **specifications**

**Fuel Supply Options:** diesel, fuel oil, JP8, natural gas, arctic diesel, propane and waste oil.

**Power Supply:** Typically 3 phase, 220 V, 60 Hz., other power supply options available.

**External Casing/Finish:** 1/4" (0.6 cm) thick mild steel, sandblasted and coated with rust inhibiting and heat resistant paint.

**Internal Lining:** Walls and roof: 6"(15.24 cm) thick ceramic fibre modules. Floor: factory cured, 6"(15.24 cm) thick reinforced castable monolithic refractory

**Burners:** Electronic auto spark mechanical packaged burners with flow modulation.

**Blowers:** Forced air heavy-duty blowers for cooling and combustion air, with automated modulating dampers and speed control (VFD) on Secondary.

### **advantages**

- Rapid deployment
- Minimal field assembly required
- Single point connection for utilities
- Automated, easy to operate
- Adaptable to wide range of waste materials
- Compliance with strict environmental standards



### acceptable **waste streams**

- Camp Waste
- Community Waste
- Biomedical Waste
- Industrial Waste



### **capacities**

Models	ECO M350	ECO M1TN	ECO M1.5TN	ECO M2TN	ECO M4TN
Capacity/ 24 hrs	700 Kg (1500 lbs)	1000 Kg (2200 lbs)	1500 Kg (3300 lbs)	2000 Kg (4400 lbs)	4000 Kg (8800 lbs)
# of ISO containers	1 x 20'	2 x 20'	3 x 20'	3 x 20'	1 x 20' 2 x 40'

- Capacity is based on typical solid waste densities
- An additional 20' container is required for each package for shipping purposes

