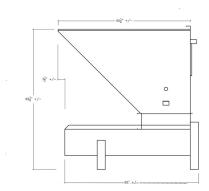


# MC4500-M METRO PAK





# **SPECIFICATIONS**

**GENERAL DESCRIPTION** 

The Model No. MC4500-M, METRO PAK Compactor is a hydraulically operated horizontal extruder-type unit. Compacted refuse can be extruded into continuous plastic tubing, individual plastic bags or reusable 2 cubic yard containers.

## **GENERAL FEATURES INCLUDE:**

- 1. Compactor body, ram extrusion nozzle and compaction chamber are integrally welded of high abrasion resistant steel.
- 2. Hydraulic power unit designed for 3000 psi operation and operated at 2200/2400 psi.
- 3. Electric motor is 5 HP, 1750 RPM, 208/220/440 volts, 14.7 amps, 3 phase, 60 cycles, 4 wire, includes thermal overload protection, and magnetic starter. Optional single phase motor also available.
- System is activated by an automatic sensor with compaction ram starting from fully retracted position. Sensor is a photoelectric switch utilizing an LED circuit.
- 5. Unit is designed to handle normal household refuse having an approximate density of 125 lbs./cubic yard. Capacity is 2500 lbs. per hour.
- 6. Unit is factory assembled, wired and tested prior to shipment
- 7. Safety features include full container switch, emergency stop switch, hopper door switch and manual shut-off gate.
- 8. Ram face of 250 sq. in. with throat charging area of 480 sq. in. (20" x 24") and hopper charging area of 960 sq. in. (20" x 48").

# **MECHANICAL FEATURES INCLUDE:**

- 1. Compactor body Min. 3/8" thickness including replaceable wear plate.
- 2. Compaction ram Min. 3/8" thickness with 1" thick ram face plate.

- 3. Hopper 11 gauge with 3/16" thick impact plate. Hopper access door of 11 gauge (15" x 20").
- 4. Ram force of 58,920 lbs. at 3000 psi hydraulic system pressure. Ram pressure, ram force divided by ram area, equals 286 lbs./sq. in.

## **ELECTRICAL FEATURES INCLUDE:**

- 1. Motor 208/220/440 volts, 3 phase, 60 cycles, 1750 RPM
- 2. Control circuit (fused): 115 volts
- 3. All wiring in liquid-tight (3/8") flexible metal conduit.
- 4. Control panel includes 5 AMP fuse for control circuit, with power OFF-ON switch and reverse switch.

#### **HYDRAULIC FEATURES INCLUDE:**

- 1. Hydraulic cylinder 5" diameter bore and 28" stroke.
- 2. Hydraulic hoses 3/8" (SAE 100 R-8) 4000 psi working pressure.
- 3. Hydraulic pump, vane pump. 5.2 GPM.
- 4. Directional control valve/manifold: two coil, neutral center (NEMA 13) with manifold block and automatic pressure relief valve.
- 5. All components have minimum 4 to 1 safety factor for burst pressure.
- 6. Cycle time: 28-32 seconds.
- 7. Compacting ratio: approximately 5 to 1.
- 8. Hydraulic reservoir: 12 gallons within 10 micron suction strainer, breather cap, and oil level indicator.