



## 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.
4. 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.