

JD MACDONALD SOLUTIONS

WASTE MANAGEMENT

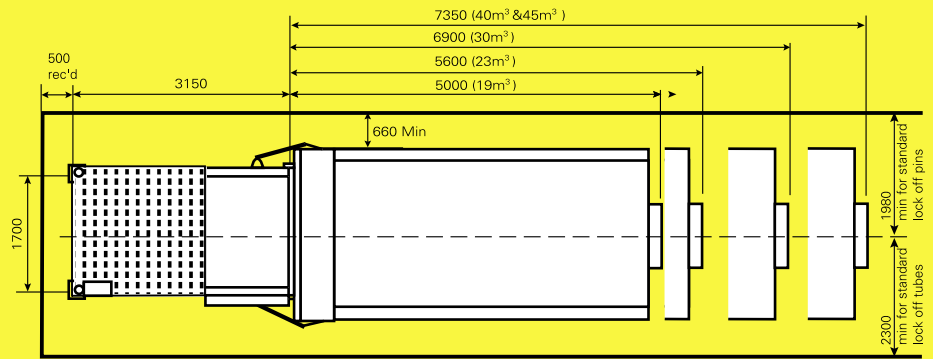
# COMPACTORS



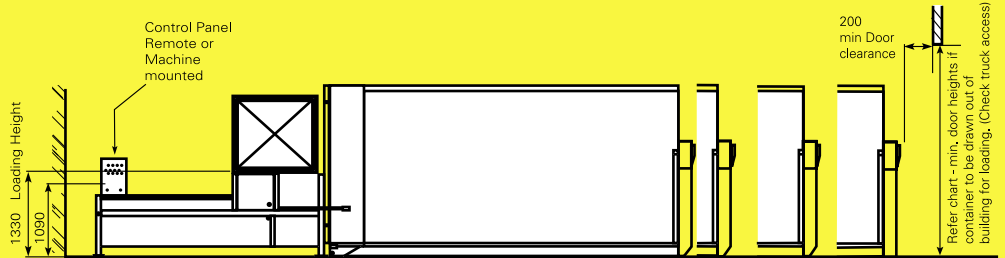
# MACAPAK

THE HIGH VOLUME SOLUTION

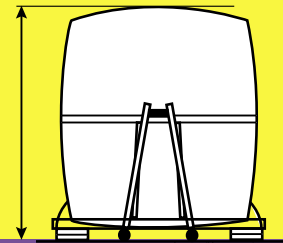
The Macapak series of compactors are designed to compact general, commercial and industrial type waste, consisting of material such as paper, cardboard and generally garbage. Fully automatic in operation, they can be automatically fed by either chute system, conveyor system, hydraulic lifting devices or manually fed by a side or rear loading hopper.



Note: Alternative compactor layouts can be provided on application, Macapak 2000-52 indicated.



Container size	Height	Min door height
45m	3090	3700
40m	2840	3400
19-30m	2430	3000



## MACAPAK 2000

The 2000 Series with a compaction ratio of 3:1, is ideal when the volume of waste exceeds 30m<sup>3</sup> per week and uses container sizes of 19m<sup>3</sup> to 45m<sup>3</sup> capacity to suit either Hook or Roll-on Roll-off loading devices as used by the various cartage contractors.

### 2000 Containers

Containers are smooth skin design of fully welded construction. Containers to 30 cu. metre capacity have 3mm sides and roof of grade HU300 and 5mm floors of grade 350. Those of 40/45 cu. metre capacity have 5mm grade 350 sides, roof and floor. Guide rails are supplied and fitted to suit container base configuration.

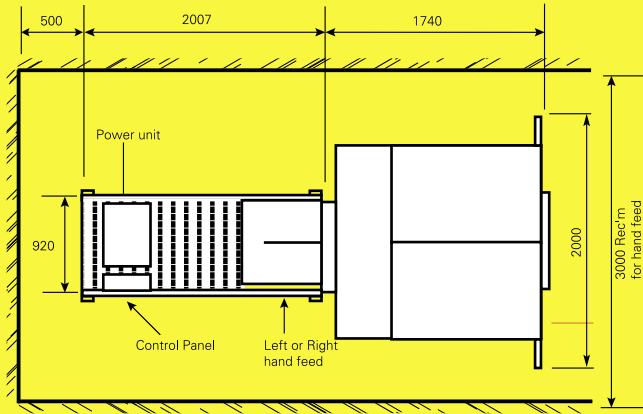


### Specifications

- Chamber Volume (Total)
- Chamber Volume (Working)
- Machine Capacity per hr
- Top Surface Opening
- Chamber Length
- Cylinder Stroke
- Cylinder Diameter
- Container Penetration
- Ram Face
- Discharge Opening
- Ground Clearance (Ram)
- Motor HP
- Time Cycle (Unloaded)
- Machine Thrust
- Max. Working Pressure
- Pump Volume
- Power Supply Required

# MACAPAK 800

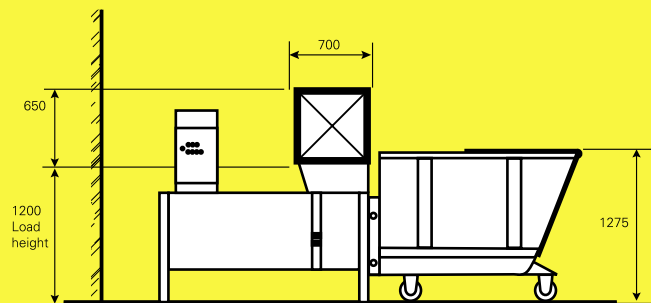
The 800 series with a compaction ratio of 3:1, is ideal when the volume of waste exceeds 10m<sup>3</sup> per week and uses containers sizes of 1.5m<sup>3</sup> to 4m<sup>3</sup> capacity to suit either front or rear winch type loading devices as used by the various cartage contractors.



## 800 Containers

Containers are of fully welded construction. Main body of container is 2.5mm grade 250 steel with folded channel stiffeners for increased strength. Rear winch type containers are fitted with plastic lids to conform to relevant guidelines. All

Note: Alternative container layouts can be provided on application. 2m<sup>3</sup> rear winch type indicated.



containers have 150mm heavy-duty cast iron castors with optional moulded on polyurethane available for smoother handling.

## Painting

Compactors and containers are fully painted for outdoor use with a primer and finish coat of two component spray enamel in the following choice of colours:  
 Beige [X43]  
 Grey Blue [B43]  
 Customised paint is available on request.

### Macapak 2000-72

1.8m<sup>3</sup>  
 1.47m<sup>3</sup>  
 93m<sup>3</sup>  
 1250 x 1484mm  
 1300mm  
 1829mm (72")  
 152mm (6")  
 480mm  
 610 x 1480mm  
 760 x 1484mm  
 381mm  
 15kw (20hp)  
 30 sec  
 239 kN  
 131 bar  
 114 L/min (30 gal/min)  
 415 volt, 3 phase 5 wire  
 3 active 1 neutral 1 earth

### Macapak 2000-52

1.35m<sup>3</sup>  
 1.05m<sup>3</sup>  
 55m<sup>3</sup>  
 1250 x 1484mm  
 930mm  
 1320mm (52")  
 152mm (6")  
 380mm  
 610 x 1480mm  
 760 x 1484mm  
 381mm  
 7.5kw (10hp)  
 34 sec  
 239 kN  
 131 bar  
 59 L/min (15.6 gal/min)  
 415 volt, 3 phase 5 wire  
 3 active 1 neutral 1 earth

### Macapak 800

0.25m<sup>3</sup>  
 0.25m<sup>3</sup>  
 19m<sup>3</sup>  
 750 x 800mm  
 610mm  
 813mm (32")  
 89mm (3.5")  
 190mm  
 386 x 800mm  
 490 x 813mm  
 254mm  
 3.7kw (5hp)  
 24 sec  
 81 kN  
 131 bar  
 12 L/min (3.1 gal/min)  
 415 volt, 3 phase 5 wire  
 3 active 1 neutral 1 earth

## GENERAL INFORMATION

### Electrical Controls

The electrical controls are housed in a steel weatherproof panel suitable for machine or remote mounting. The controls are suitably marked and include instruction detail for machine operation. Internal componentry includes suitably sized circuit breakers and motor overload plus cycle timer for automatic operation. An inching station is fitted to the front of the compactor adjacent to compactor/container connection point for use in conjunction with the lock-off facility. All electrical wiring is of double insulation type and run within the machine framework where possible to give maximum mechanical protection. External wiring is enclosed within flexible conduit to maintain protection.

### Standard Safety Features

All hopper feed intake levels are set above minimum height requirements as required by the Department of Labor and Industry. Hopper access doors are fitted with electrical interlocking of the non-defeatable type. All moving parts are contained within the body of the machine.

On/off control is via a key switch, which prevents unauthorised operation.

On start up, the machine ram, automatically retracts prior to commencing the compaction cycle and finishes in a forward position at the end of the cycle. Isolation switches, limit switches and the emergency stop button ensure that the machine can be stopped instantly if required.

All controls, safety switches and circuitry comply with the Department of Labor and Industry requirements or the authorities in each state.



**JD MACDONALD**

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