ME70 closed end baler



Semi-automatic • bales cans, PET, paper & board • simple to operate • rugged design





Left: ME70 with hopper and conveyor from door end. Above: side view showing easily accessible service points. Below: bale being easily handled with use of pallet truck.



This design of closed end baler is ideal for local authorities and small distribution depots. Designed and built in our Somerset workshops, it will give better than 20 year's hard working life.

Delivering a 70t pressure it produces a mill size bale measuring 1530mm x 750mm x 1050mm. The picture at top right here shows one of the first three built for our client Severnside Recycling at their Plymouth MRF depot. The installation includes conveyors, hoppers, separators and star screen.

The ME70 has been designed with four main aims in mind:

- Easy to operate
- Able to handle wide range of waste materials
- Rugged, well proven design capable of better than 20 year working life
- Easy to maintain

A diagnostic panel shows what stage of the cycle the baler is at and pinpoints any faults in operation enabling operators to eradicate any problems on site. Several fail-safe features are built in.

The high pressure obtained enables compact bales to be achieved reducing transport costs. For example a bale of tin cans could weigh around 550kgs, news and PAMS at 700kgs, depending on the product and condition.

Middleton Engineering have been involved with baling equipment for the past 30 years and have always produced high standards of build: this ME70 baler continues the tradition for which we are renowned.



Photos taken at Severnside's MRF at Plymouth

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General Specifications

Height
Length
Width
Feed Opening
Approx. Shipping Weight

Hydraulics Pump Cylinders

Oil reservoir Door Latch Cylinder

Electrical Motor Controls

Performance data
Hydraulic system pressure
Overall platen force
Cycle Time
Bale size

Approximate bale weights (average)

 OCC
 550 kgs

 Aluminium Cans
 300 kgs

 HDPE
 450 kgs

 News & Pams
 700 kgs

 Office paper
 700 kgs

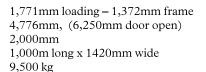
 PET
 400 kgs

 Tin Cans
 550 kgs

Please note: weights given are dependant on incoming densities, moisture and content.



Serviceable items are readily accessible.



Double vane pump $2 \times \phi 160$ mm bore $\times 1,900$ mm stroke $\times \phi 90$ mm hard chrome rod 750 litres

φ100mm bore x 150mm stroke x φ50cm rod

22 kW (30 hp) PLC controlled with fault diagnostics: CE Approved

250 bar 250 Mpa 70 tonne 29 sec, full stroke

1530mm wide x 750mm high x 1050mm



Top: The ME70 has a simple fault diagnostic panel that shows the operators the state of the baler at any time, making it easier for staff to solve any problems themselves thus keeping down time to a minimum. The control panel is designed by us, and is programmable according to client needs.



Bales of PET bottles above and cans below.

