

# LOO

## WHAT SOLID

**EMCO** manufactures the complete solid waste system which includes side loader, packer body and specially designed containers. **EMCO** containers offer the advantage of advanced, functional design and sound engineering. Shown here are a few of the reasons why hundreds of cities have chosen the **EMCO** system.

- **APPEARANCE** - **EMCO** containers have radius corners and arched tops designed to give a neat, cleaner appearance which minimizes objection to the placement of the containers in residential areas.
- **CONTAINER LIFE** - Rust always starts in container corners where trash collects and corner welds hold moisture. For these reasons **EMCO** rounded these corners and designed the welds away from the corners for longer life and greater strength.
- **LIDS** - The **EMCO** lid is formed so that the outer lip closes around the container edge, thus minimizing moisture entry and odors.
- **LID MATERIAL** - The lower lidsections used on the 3 cubic yard container and the entire lid on the 1 1/2 cubic yard container are custom designed and made of a high-density polyethylene, with U. V. inhibitor added for extended durability.
- **SAFETY** - Product liability is greatly reduced due to lighter lids. Youngsters and the elderly no longer face the injury and strain associated with heavy steel lids.







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## EMCO HAS DONE FOR WASTE COLLECTIONS



**EMCO** offers a rollout container for areas not having alleyways. These units are 82 gallons, have a low, convenient loading height and are very easily rolled to the curb side on collection day.

- **FINISH** - **EMCO** containers are properly primed and finish coated with a high-quality industrial paint, inside and outside. Extended life and full value are assured.

- **DESIGN** - **EMCO** containers are designed with a low loading height for ease of loading by residents. The higher rear side also reduces the blowing of trash during the dumping operation.

- **NOISE ABATEMENT** - The polyethylene lids greatly reduce noise pollution during loading and dumping.

- A reinforcement lip is provided around the entire top and properly welded on all sides. Bottom pads are an integral part of the container body rather than a welded on channel which is subject to rust.







**EMCO's** Automated Garbage Collection System is so advanced that one man can collect 1,000 to 1,200 homes per day without leaving the comfort and safety of the truck cab.

**EMCO** developed and patented the first Automated Side - Loading Collection System available in this country.



**EMCO's** system offers the advantages of cost reductions of up to 65%, quality engineering and a completely functional design.

**EMCO** asks you to compare our products with all others and see why hundreds of cities throughout the world are switching to **EMCO**.

**A**

**B**

**C**



**EMCO MAKES GARBAGE COLLECTION AS SIMPLE AS A, B, C.**





# ADVANTAGES OF EMCO'S SOLID WASTE EQUIPMENT FOR YOUR CITY

## ECONOMY

- Many cities now using the **EMCO** system say their collection costs have been reduced 50% to 65% since converting from the old hand-load system. In most cases, the labor savings alone will amortize the purchases of trucks and containers in 3 1/2 to 4 years.
- Lower insurance rates are possible due to "Garbage Men" becoming truck drivers or equipment operators.
- Truck fuel and maintenance cost will decrease drastically because each **EMCO** truck replaces 2 to 2 1/2 hand-load trucks.
- Commercial and residential collection is handled by the same unit, reducing the duplication of back-up trucks, parts, and the need for a commercial truck having to travel to areas of the city which are being covered by residential trucks.

## SAFETY AND CLEANLINESS

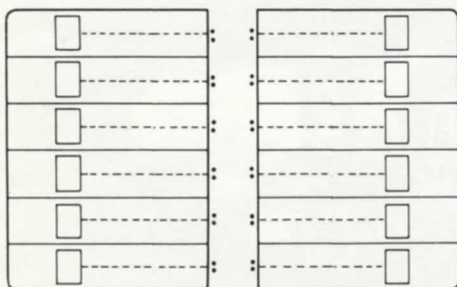
- **EMCO's** system eliminates the manual lifting and dumping of trash as well as the men riding on the outside of the truck, thus reducing major accidents.
- **EMCO** is operated from inside the truck cab, which can be air conditioned and heated for all-weather comfort.
- **EMCO** system eliminates many of the problems common to the old hand-load method of collection such as (A) dogs and wind turning over small containers or tearing plastic bags and scattering litter, and (B) recurrent fly and rodent problems.
- **EMCO** containers clean up neighborhoods by allowing residents to place large items in them, such as tree cuttings, leaves, old toys, and many other discarded items.
- The volume of waste that can be deposited in one container allows a city to postpone collection during bad weather thus reducing damage to alley ways and trucks.
- Residents can deposit their trash anytime during the week.

## CUSTOMER CONVENIENCE AND COST SAVING IS NO. 1 WITH EMCO

EXHIBIT A, B, & C Below gives you a comparison, using the old hand load method versus the **EMCO** system.

### EXHIBIT A

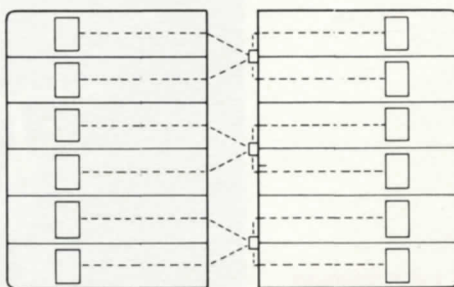
Shows twenty-four 20 to 30 gallon trash cans used in an average block with the old alley pick up. This gives a total volume of approximately 600 gallons. Collection via the three-man hand-load method, takes 6 to 8 minutes to collect one block.



300 TO 600 HOMES PER DAY  
WITH A THREE-MAN CREW

### EXHIBIT B

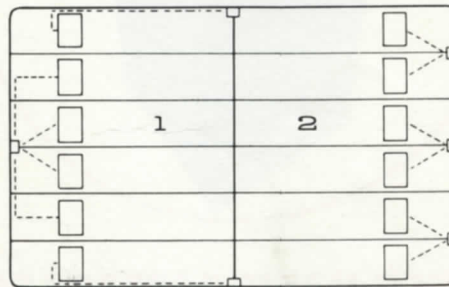
Shows **EMCO's** system using three containers per block with a capacity of 1,815 total gallons. One man can collect this block in three minutes. The volume offered in this method would allow a city to go to once-a-week pickup with a reduced collection expense.



1,000 TO 1,200 HOMES PER DAY  
WITH ONE MAN

### EXHIBIT C

When alleyways are not available, **EMCO** can provide two methods of collection. Method No. 1 uses the low, compact 1 1/2 cubic yard container on the front curb as shown in Figure 1. below. Method No. 2 uses the 82 gallon rollout cart. These carts are rolled to the curb side on collection day and can be dumped by the **EMCO** truck at a rate of approximately 120 per hour.



1,000 TO 1,200 HOMES PER DAY  
WITH ONE MAN



## SPECIFICATIONS

### EMCO MODELS RC 25 AND RC 30\*

#### BODY SPECIFICATIONS

	25 Cu. Yd.	30 Cu. Yd.	35 Cu. Yd.
Length (Overall) . . . . .	258"	282"	306"
Length (At Body Floor) . . . . .	240"	264"	288"
Width (Including Container Loader) . . . . .	96"	96"	96"
Height (Above Chassis Frame to Top of Body) . . . . .	84"	84"	84"
Height (Above Chassis to Top of Hopper) . . . . .	94"	94"	94"
Weight (Approx.) . . . . .	10,900 lbs.	11,400 lbs.	11,900 lbs.
Floor of Body . . . . .	1/4" Steel		
Compactor Skid Channels — (Replaceable) . . . . .	1/4" Steel		
Body Sides and Roof . . . . .	3/16" Steel		
Tail Gate (One-Piece Domed) . . . . .	3/16" Steel		
Tail Gate Lock . . . . .	Hydraulic Controlled		
Tail Gate Opening . . . . .	Hydraulic Controlled		
Compactor Cylinder (2 Stage) First Stage for Compaction, Second Stage for Ejection of Load			
Trash Retainer Teeth . . . . .	Two Rows Top and Bottom		

#### SIDELOAD CONTAINER ATTACHMENT

#### 1 1/2 to 4 Cu. Yd. Containers

Horz. Extension (From Packer Body to Container) . . . . .	30"
Tensile Strength of Elevator Chains . . . . .	14,250 lbs. each
Drive for Elevator . . . . .	Hyd. Motor Torque 4,500 in. lbs.
Lift Capacity (Including Container) . . . . .	2,000 lbs.
Cycle Time . . . . .	28 to 32 sec.

#### HYDRAULIC CYLINDERS, VALVES AND PUMPS

Horz. Extension Cylinder . . . . .	2 1/2" Bore X 30" Stroke, Double Action
Tailgate Lock Cylinder . . . . .	2" Bore X 10" Stroke, Double Action
Tailgate Opener Cylinder . . . . .	2" Bore X 16" Stroke, Double Action (4" Bore on 35 Yd.)
Compactor & Ejector Cylinder . . . . .	2 Stage Double Action Telescopic (20" overlap when extended)
Elevator Drive Motor . . . . .	Torque 4500 in. lb.
Control Valves . . . . .	All Control Valving Spool Type, Solenoid operated from Truck Cab.
Double Pumps . . . . .	12 G.P.M., 2000 P.S.I. for operation of Container Dumping Mechanism. 20 G.P.M., 1850 P.S.I. for Compaction and Ejection of Load.
Filtering . . . . .	In Tank Screen (100 Mesh), plus (3 Micron filtration with replaceable element) Before entering Valves.

#### AUXILIARY ENGINE

177 Cu. In., 65.9 H.P. Wisconsin Engine, with Oil Bath, Air Cleaner with Precleaner, and Safety Switches for Automatic Engine Cutoff in case of Oil Pressure Drop or Engine Overheat.

#### CONTROL PANEL

Mounts in Truck Cab in easy reach of operator and contains the following: Auxiliary Engine Start Switch and Safety Switch Button; Switch for operating Compactor and Load Ejection; Four Direction Control Lever for operating Container Dumping Mechanism; Master Switch for cutting all systems off when servicing or entering Packer body; Idle Switch and Choke Control.

#### OPTIONAL EQUIPMENT

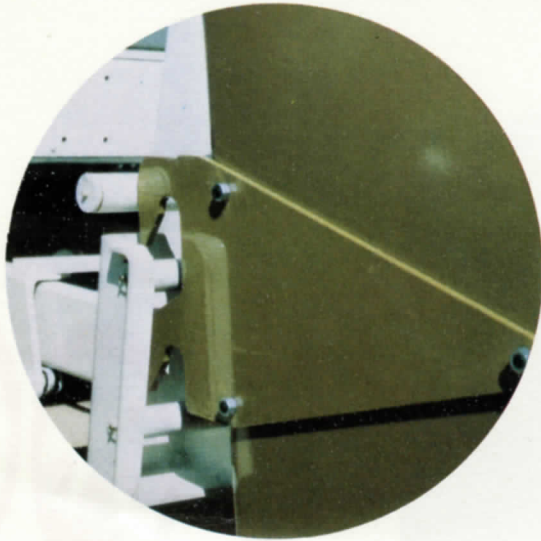
Attachment for Roll Out Containers, PTO. Back Up Pump, Idle Switch, 184.2 Cu. In. 60 H. P. Hatz Diesel Aux. Eng.

#### CHASSIS REQUIREMENT

	25 Cu. Yd.	30 Cu. Yd.	35 Cu. Yd.
C/A Single Axle . . . . .	150"-160"	150"-172"	—
C/Front Axle on Tandem Axle . . . . .	140"-150"	150"-160"	160"
Recommended GVW . . . . .	25,000-31,000	27,000-42,000	34,000-48,000

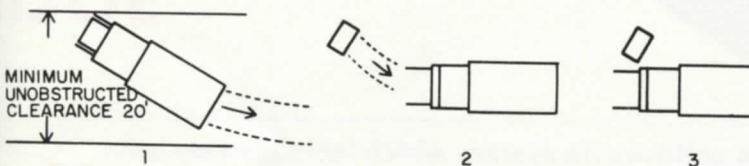
\*The Company reserves the right under its Product Improvement Policy to change construction or design details and furnish equipment when so altered without reference to illustration or specifications used herein.





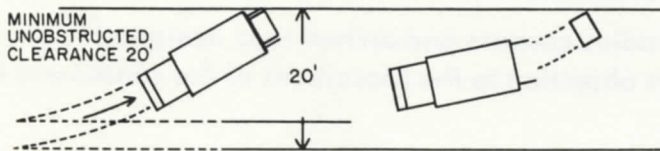
**EMCO'S CONTAINER ATTACHMENT** is illustrated in this close-up of the side load attachment connecting to the container. It is this unique automatic feature that allows for a one-man, in-cab operation and results in safety and economy.

## EMCO'S UNIQUE SIDE LOAD PICKUP AS CONTRASTED WITH OTHER PICKUP SYSTEMS



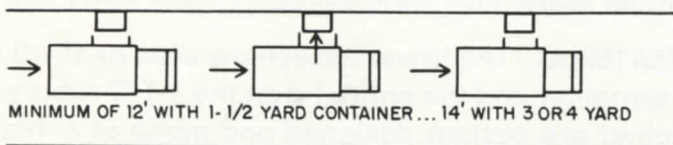
### FRONT LOAD SYSTEM

In narrow alleys, containers must be set at an angle, thus taking up more alley room. Driver must pull into container, dump it and back out before moving forward to next container. In many cases, due to the high overhead clearance, the driver must pick up the container and back out from under low lines or trees before he can dump the container.



### REAR LOAD CONTAINER SYSTEM

The rear load system has many of the same disadvantages as the front load, plus a man has to get out of the truck. This takes time and creates serious safety hazards.



### EMCO'S SIDE LOAD

The **EMCO** system requires only a 12' alley clearance with 1½ yard containers or 14' with 3 or 4 yard containers. The driver moves his truck to the side of the container (within 30"). The container attachment can then go out, retrieve, dump and replace the container in its original position in 28-32 seconds. The driver then moves forward to the next container. The need for backing in close, blind alleys is eliminated. Consider the advantages of the **EMCO** system, then talk to our representative in your area about converting your city to **EMCO's** Solid Waste Collection System. 1½ to 4 yard containers are available with the **EMCO** system.



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