



The  
EMCO  
Story

P. O. Box 1747  
PLAINVIEW, TEXAS 79072

Phone (806) 296-6631



September 23, 1981

W.E. Hare  
Hare Equipment Company  
8 Sheldon Close  
Cincinnati, Ohio 45227

Dear Mr. Hare:

Thank you for your interest in EMCO. We are proud to be the first to develop and patent the one-man in-cab operated side loader to reduce labor cost for our cities as well as reducing unsightly trash on our streets and alleyways.

To better acquaint you with EMCO, we are sending you a brochure which is very informative in planning your move to automated collection of solid waste.

Please let us know if we can be of any further assistance to you.

Sincerely,

A handwritten signature in cursive script that reads "Sheldon Ellis".

Sheldon Ellis,  
NATIONAL SALES MANAGER

SE:kdr

encl.

# EMCO RC-30 Body

**EMCO** uses a two-stage cylinder for ejecting loads. At full extension it has a 20" overlap which assures a long, trouble-free life.



Latches in open position



Tailgate being opened



Ejection panel extended to back of body



**EBELING MFG. CORP. d.b.a. EMCO**  
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TELEPHONE (806) 293-5285 or 293-8331



# EMCO RC-30 Body • 1½ Cu. Yd. Container



Shown above is the RC30 **EMCO** body and sideloader dumping a 1½ yard (300 gallon) container. This container is only 32" from front to back which enables it to be used in narrow alleys; and, makes it cosmetically acceptable to most people for refuse disposal. This is all accomplished with one 18¾" stroke cylinder for elevation and one 30" stroke cylinder for extension. This process eliminates the problems commonly found with the old chain, cable and multi-cylinder units.



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# EMCO RC-30 Body • 3 Cu. Yd. Container



The **EMCO** side loader attaches to the 3 cu. yd. container which is 30" from the truck and begins lifting action.

The loader is returned to the side of the truck with the container as the lifting action continues.



The container is dumped and then returned to the ground in reverse sequence.

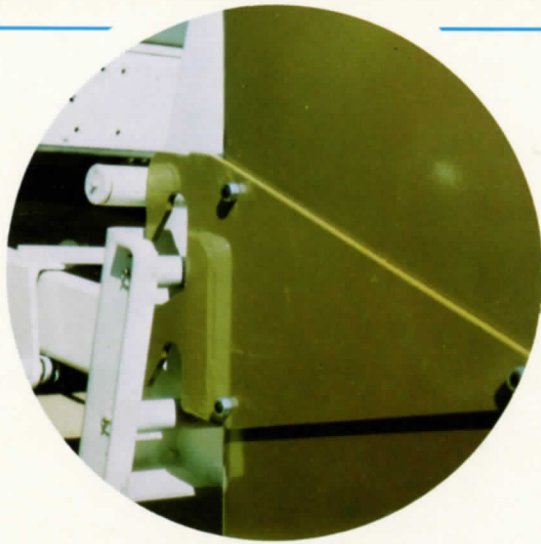
This is all accomplished with one 18 $\frac{3}{4}$ " stroke cylinder for elevation and one 30" stroke cylinder for extension.

The single stroke hydraulic cylinders eliminate problems commonly found with the old chain, cable and multi-cylinder units.



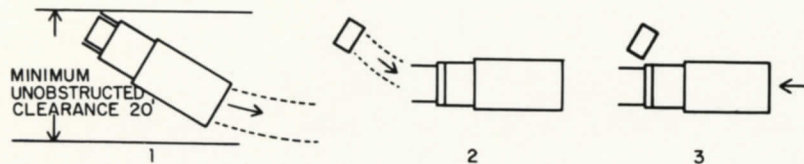
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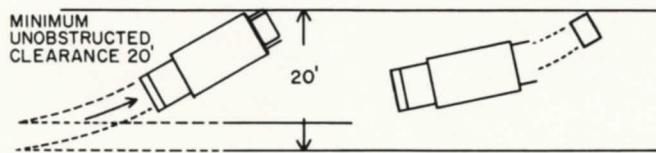
**EMCO'S CONTAINER ATTACHMENT** is illustrated in this close-up of the side load attachment connecting to the container. It is this unique automatic feature that allows for a one-man, in-cab operation and results in safety and economy.

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



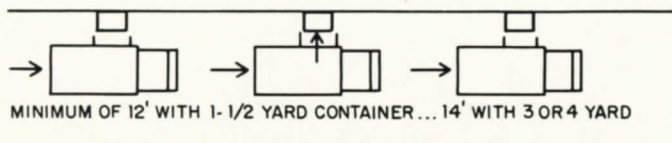
### FRONT LOAD SYSTEM

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 10-16 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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# 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. Alley pick up with metal containers and street pick up with 100 gallon rollout carts is accomplished by the same truck without operator leaving the cab.

## SAFETY AND CLEANLINESS

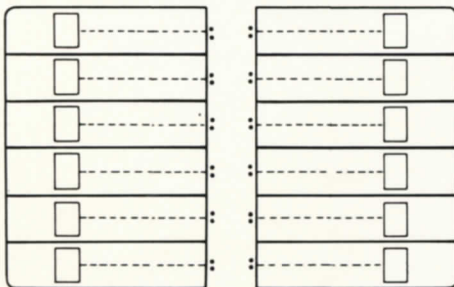
- **EMCO**'s system eliminates the manual lifting and dumping of trash as well as the men riding on the outside of the truck, thus reducing major accidents.
- **EMCO** is operated from inside the truck cab, which can be air conditioned and heated for all-weather comfort.
- **EMCO** system eliminates 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, (B) recurrent fly and rodent problems, and (C) Bent and damaged trash cans which cost more over the long run than the large cart.
- **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

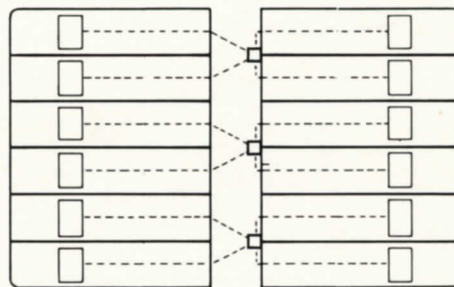
Shows twenty-four 20 to 30 gallon trash cans used in an average block with the old alley pick up. This gives a total volume of approximately 600 gallons. Collection via the three-man hand-load method, takes 6 to 8 minutes to collect one block.



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

### EXHIBIT B

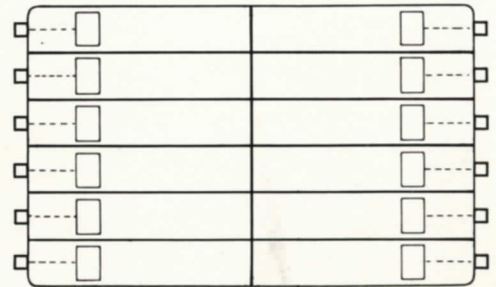
Shows **EMCO**'s system using three containers per block with a capacity of 1,815 total gallons. One man can collect this block in three minutes. The volume offered in this method would allow a city to go to once-a-week pickup with a reduced collection expense.



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

### EXHIBIT C

When alleyways are not available, **EMCO** can provide 100 gallon rollout containers. 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

TELEPHONE (806) 293-5285 or 293-8331

## EMCO MODELS RC 25 AND RC 30\*

### BODY SPECIFICATIONS

	<b>25 Cu. Yd.</b>	<b>30 Cu. Yd.</b>
Length (Overall) . . . . .	258"	282"
Length (At Body Floor) . . . . .	240"	264"
Width (Including Container Loader) . . . . .	96"	96"
Height (Above Chassis Frame to Top of Body) . . . . .	84"	84"
Height (Above Chassis to Top of Hopper) . . . . .	94"	94"
Weight (Approx.) . . . . .	10,900 lbs.	11,400 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"
Lift Cylinder . . . . .	5" Bore X Stroke, Double Action
Lift Capacity (Including Container) . . . . .	3,000 lbs.
Cycle Time . . . . .	10 to 16 sec.

### HYDRAULIC CYLINDERS, VALVES AND PUMPS

Horz. Extension Cylinder . . . . .	2 1/2" Bore X 30" Stroke, Double Action
Tailgate Lock Cylinder . . . . .	2 1/2" 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)
Control Valves . . . . .	All Control Valving Spool Type, operated from Truck Cab.
Double Pumps . . . . .	12 G.P.M., 1,500 P.S.I. for operation of Container Dumping Mechanism. 20 G.P.M., 2,000 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

	<b>25 Cu. Yd.</b>	<b>30 Cu. Yd.</b>
C/A Single Axle . . . . .	150"-160"	150"-172"
C/Front Axle on Tandem Axle . . . . .	140"-150"	150"-160"
Recommended GVW . . . . .	25,000-31,000	27,000-42,000

\*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.





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**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 is the 3 cubic yard container.

<b>DIMENSIONS:</b>	Width — 61-5/8"	Height — 59"	Depth (Front to Rear) — 48"
	Weight — 480 Pounds	Loading Height — 41"	Two Bottom Lids — High Density Polyethylene
	Body — 12 Gauge	Top Lid — 14 Gauge	

**APPEARANCE** — **EMCO** containers have radius corners and arched tops designed to give a neater, cleaner appearance which is readily acceptable by the residential customers.

**CONTAINER LIFE** — **EMCO** rounded the corners and designed the welds away from the corners for longer life and greater strength.

**LIDS** — The **EMCO** lid is formed so 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.

**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 dumping operation. Tapered Design Gives Clean Dumping.

**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.



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<b>DIMENSIONS:</b>	Width — 62"	Loading Height — 40-1/2"	Height — 40-1/2"
	Weight — 280 Pounds	Lids — High Density Polyethylene	Body — 14 Gauge
			Depth (Front to Rear) — 32"

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**LIDS** — The **EMCO** lid is formed so 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.

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**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.



