

**Dempster  
Dumpster  
Systems****Rear Loading  
Packer****Model 10, 13, 17 and 20****Dempster EconoMite™**

## **Drive Down Collection Costs With The Dempster EconoMite™.**

Low on Fuel Consumption...Low on Operation Expense...  
High on Economy and Performance.

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**IDEAL FOR:**

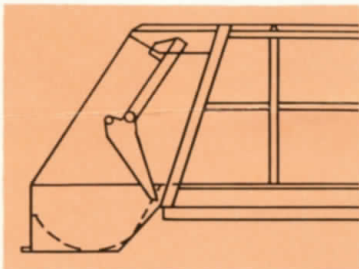
*Independent refuse haulers, parks,  
highway departments, towns and cities.*

*Easy to handle and operate on crowded streets and narrow alleys.*

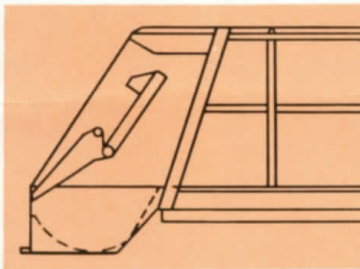


## EconoMite™. Mobility and Fast Packing Cycle Cut Route Time... Lower Collection Costs.

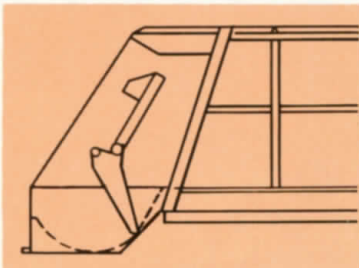
The Dempster EconoMite is a small, low-investment rear-loading packer that makes high-speed pickups of residential, commercial or industrial refuse. The compact body and short turning radius allow travel and collection on narrow alleys, crowded streets and other confined areas where access is limited. A fast 12-15 second packing cycle means work crews can load and go with a minimum of delay. This cuts route time, lowers collection costs and gives you maximum utilization of equipment. The Dempster EconoMite is versatile. With an optional hydraulic dumping attachment you can handle one thru two cubic yard containers. An optional overhead winch attachment is available for handling larger containers. Here's how the packing cycle works:



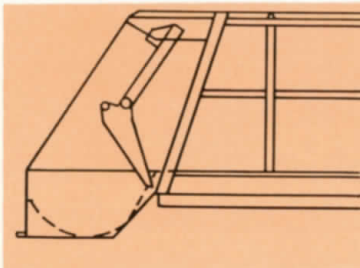
**Step 1** Material is loaded into deep, low-profile hopper.



**Step 2** Packer head retracts and moves toward loading sill.



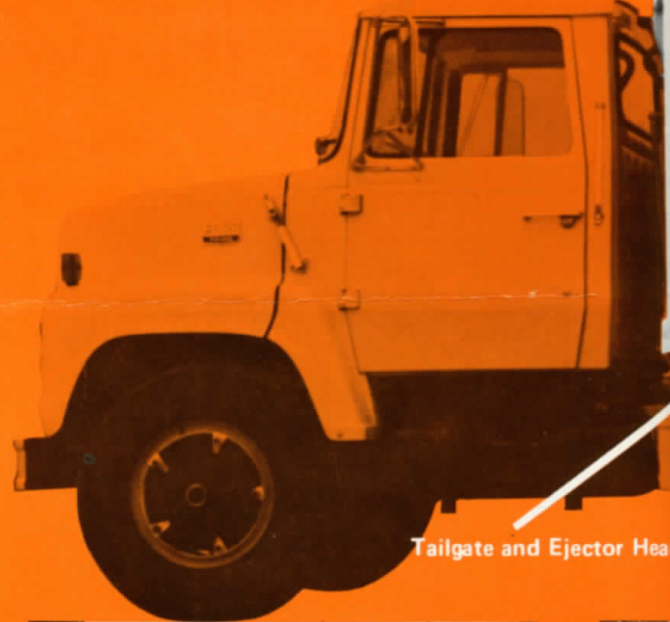
**Step 3** Packer head sweeps hopper.



**Step 4** Material is packed tightly into the body.



4 Body Capacities Available  
10 cu. yd., 13 cu. yd., 17 cu. yd., and 20 cu. yd.



Tailgate and Ejector Head



**Large Hopper Capacity**  
The deep, low-profile hopper holds over 1½ cubic yards of material. Large volumes of refuse can be loaded before the packing cycle is activated.



**Low Load**  
Convenient  
worker ef

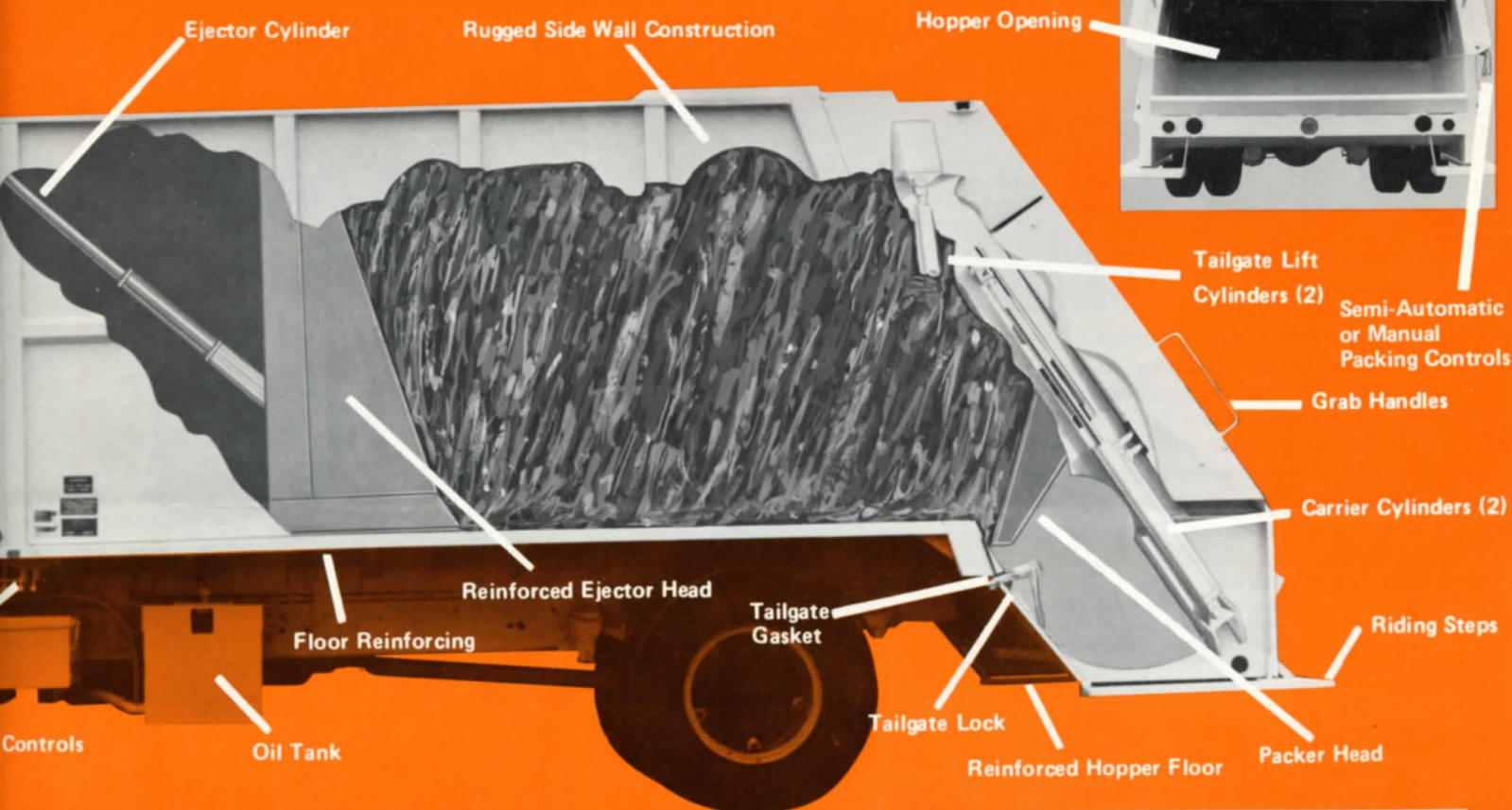


**Reinforced Hopper Floor**  
The hopper floor is constructed of high-tensile steel and reinforced. The loading sill is constructed of strong rectangular steel tubing to withstand shock loads.



**Telescopi**  
A double  
Material  
the rear o

# THE ANATOMY OF THE EconoMite™



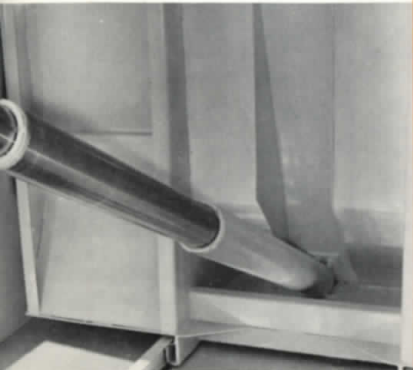
**Low Loading Height**  
Low loading height minimizes fatigue and increases efficiency.



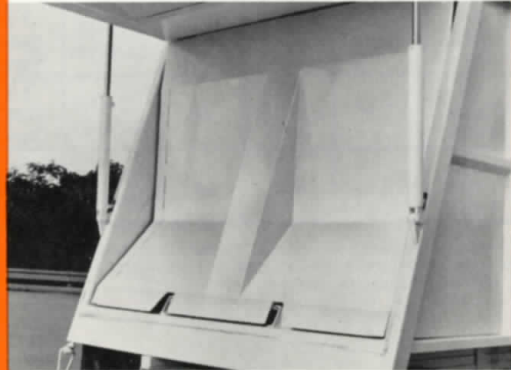
**Split Cycle/Semi-Automatic Packing Controls**  
Packing controls are on rear curb side of tailgate section. To start packing cycle, both packing levers are pushed downward. To complete cycle, controls are pulled upward. Manually actuated electric control maintains proper engine speed.



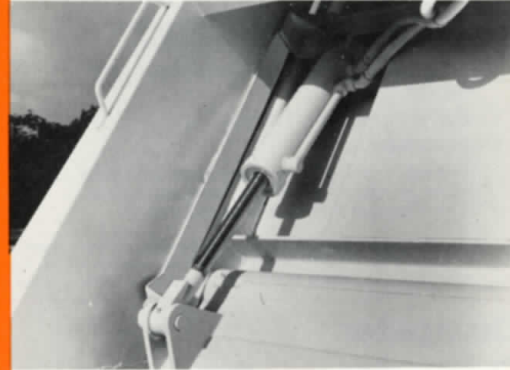
**Ejector and Tailgate Lift Cylinder Controls**  
Two hand control levers are located on the driver's side at the front of the body. One activates the two lift-cylinders which raise the tailgate. The other controls the ejector head. Manually actuated electric control maintains proper engine speed.



**Ejector Cylinder**  
Acting cylinder moves the ejector head in and out. Material is ejected with one fast, continuous stroke through the hopper opening.



**Reinforced Ejector Head**  
The ejector head face plate is constructed of 12-gauge steel and reinforced with pressed angles for additional strength. Sloped head design forces material high into top of body for tight uniform payloads.



**Rugged Packer Head Cylinders**  
Powerful hydraulic cylinders operate without troublesome solenoids, relays and switches. Superior cylinder construction assures low-maintenance, high-performance operation.

# Container Handling Versatility with Optional Dumping Attachments



Positive container locking mechanism



Overhead winch

## Hydraulic Dumping Attachment

The Dempster EconoMite can be used as a combination residential and commercial refuse collection vehicle. Its versatility is unsurpassed with the addition of an optional hydraulic dumping attachment for one thru two yard containers. This EconoMite dumping attachment is fully hydraulic. The lifting bar is driven by two hydraulic cylinders with single valve control.

## Overhead Winch Dumping Attachment

For handling larger containers, the Dempster EconoMite can also be equipped with an optional overhead winch attachment.

## BODY CONSTRUCTION

Body and tailgate sections are constructed of hot roll steel, reinforced with angles, box members and pressed channels wherever required. Steel gauges are as follows:

### BODY

Floor . . . . . 10-gauge  
Side Walls . . . . . 10-gauge  
Roof . . . . . 10-gauge  
Ejector Head . . . . . 12-gauge  
Optional curb-side access door is available.

### TAILGATE

Side Walls (Upper) . . . . . 10-gauge  
Side Walls (Lower) . . . . . 7-gauge  
Top . . . . . 10-gauge  
Hopper Floor . . . . . 1/4" High tensile  
Packer Head . . . . . 10-gauge  
Locks: Toggle bolt type, with swivel handles.

### HYDRAULIC SYSTEM

#### Ejector Head Cylinder:

Models 10 and 13 - 2 stage, double-acting telescopic 3" x 4" with 65" stroke.  
Model 17 - 3 stage, double-acting telescopic 3", 4", and 5" with 93" stroke.  
Model 20 - 4 stage, double-acting telescopic 3", 4", 5", and 6" with 116" stroke.

Tailgate Lift Cylinders: 2, 2 1/2" single acting cylinders 1 1/2" diameter shaft.

Carrier Cylinders: 2, 3" heavy-duty cylinders with 27" stroke 1 1/2" diameter shaft.

Packer Cylinders: 2, 3 1/2" heavy-duty cylinders with 12" stroke 1 1/2" diameter shaft.

Pump: Gear type, 19.5 GPM at 1200 RPM

Oil Tank: Model 10 & 13 - 14.5 gallons  
Model 17 & 20 - 29 gallons

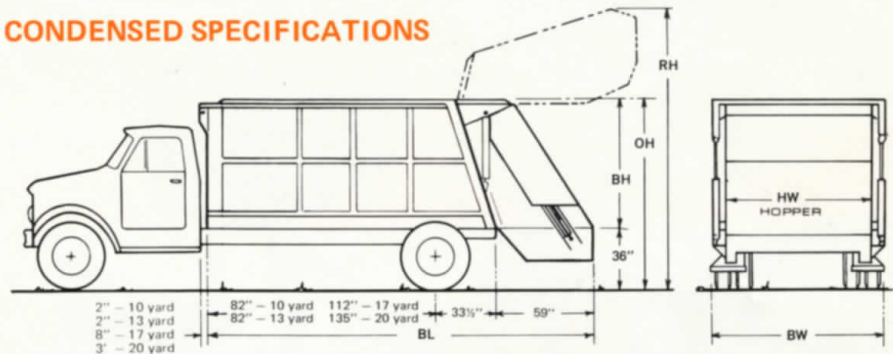
Hydraulic Hose: two wire braid type-2000 psi min.

Operating Pressure: 1750 psi

### CONTROLS

Packing cycle controls: Semi-automatic (split cycle) or manual (deadman type) cycling controls. Optional signal buzzer is available.

## CONDENSED SPECIFICATIONS



Model	BL	BW	BH	OH	RH	HW
10	14'6 1/2"	89"	70"	8'6"	12'6"	75"
13	14'6 1/2"	96"	84"	9'9"	13'9"	75"
17	17'1/2"	96"	84"	9'9"	13'9"	75"
20	18'11 1/2"	96"	84"	9'9"	13'9"	75"

UNIT CAPACITY	BODY LENGTH	OUTSIDE BODY WIDTH	BODY HEIGHT	PACKING CYCLE	HOPPER CAPACITY	WEIGHT	CAB TO AXLE (RECOMMENDED)	G.V.W. MINIMUM
10 Cubic Yards	14'6 1/2"	89"	70"	12-15 Seconds	1 1/2 Cubic Yards	6,250 Pounds	84"	17,000 Pounds
13 Cubic Yards	14'6 1/2"	96"	84"	12-15 Seconds	1 1/2 Cubic Yards	6,750 Pounds	84"	20,000 Pounds
17 Cubic Yards	17'1/2"	96"	84"	12-15 Seconds	1 1/2 Cubic Yards	8150 Pounds	120"	24,000 Pounds
20 Cubic Yards	18'11 1/2"	96"	84"	12-15 Seconds	1 1/2 Cubic Yards	8850 Pounds	138"	24,000 Pounds

Dempster Dumpster Systems constantly seeks ways to improve and upgrade its products. For this reason, the company reserves the right to change specifications at any time, without notice, in order to provide customers with the best possible equipment and offer the latest in product improvements. If any dimension or capacity is critical, check with the factory for current specifications.

**Dempster  
Dumpster  
Systems**



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