

**MORE
PACKING POWER**

**DEMPSTER
DUMPMASTER
HD SERIES**

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**Dempster
Dumpster
Systems**



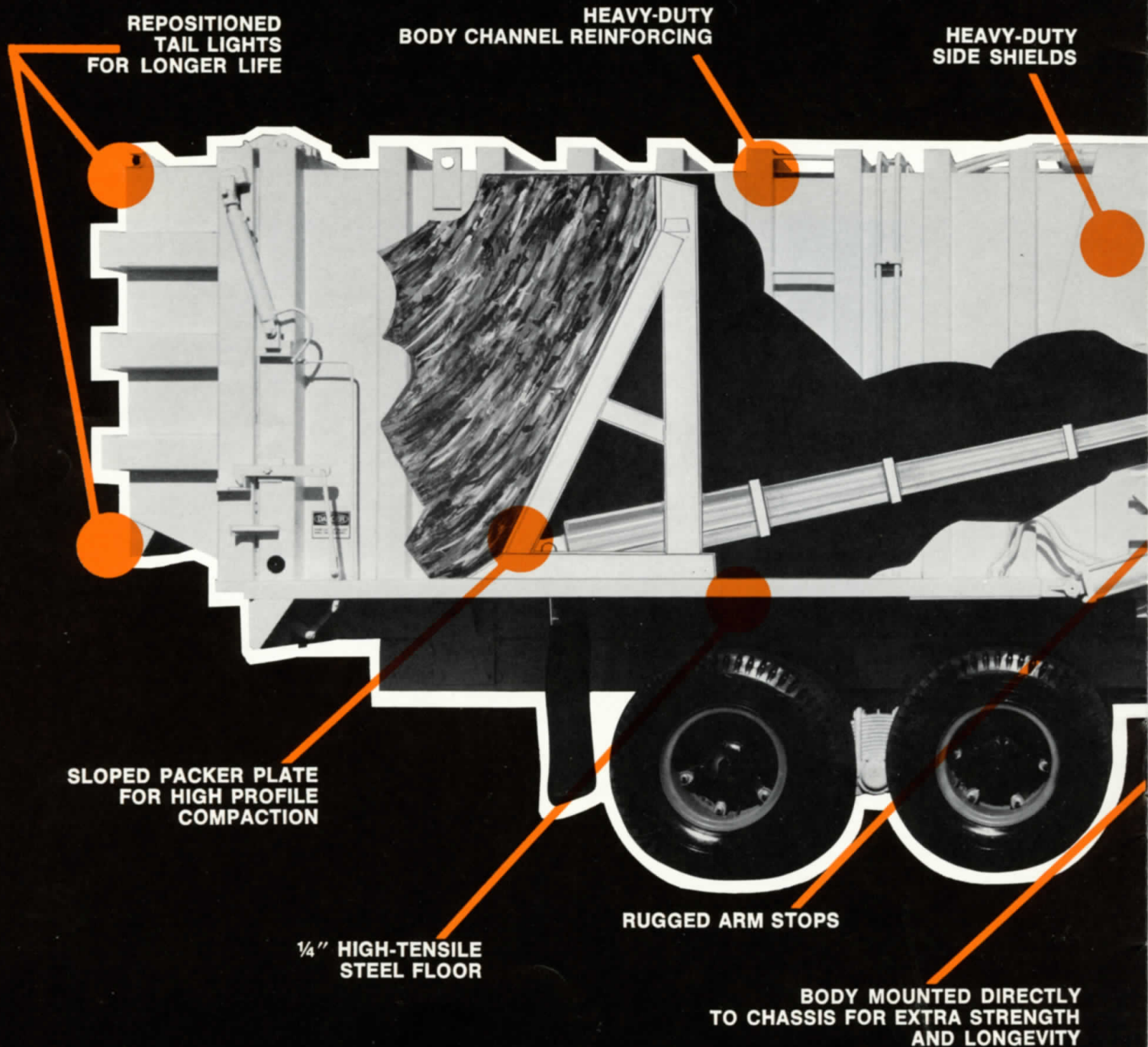
Division of Carrier Corporation
Home Office - P.O. Box 3127, Knoxville, Tennessee 37917
With offices in principal cities throughout the world



The Features You Chose...

High-Density Dumpmaster's most popular options are now standard equipment . . . designed for extra strength and improved performance to give you more years of profitable service. The result is a unit that delivers maximum compaction . . . staying on the route and out of the shop. A 1/4-inch high-tensile steel floor is now standard. The body is mounted directly to the chassis for increased durability, eliminating wood stringers. Chevron shaft packing

makes hydraulic maintenance the easiest yet. Dash-mounted warning lights for the hopper cover, arms, and tailgate meet or exceed all ANSI requirements. And a mechanical loader limit device ends the messy, time-consuming problem of dumping behind the blade. Read over this booklet. You'll find out more about these and other features that make the Dempster High-Density Dumpmaster a profitable solution to your solid waste problems.



Now Standard On HD DUMPMASTER.

LARGER OIL TANK
WITH OIL LEVEL SIGHT GAUGE

FORMED STEEL HYDRAULIC TUBING
WITH STEEL BAR PROTECTION



CHEVRON SHAFT PACKING
FOR EASIER HYDRAULIC SERVICING
CHROME PLATED
HYDRAULIC CYLINDER SHAFTS

DASH-MOUNTED WARNING LIGHTS
MEET OR EXCEED ALL ANSI
SAFETY REQUIREMENTS

BOLT-ON COMPONENTS
FOR EASY MAINTENANCE

SLIDING
SIDE ACCESS DOOR

Built For Superior Performance

LOADER ARMS

MORE LIFTING CAPACITY



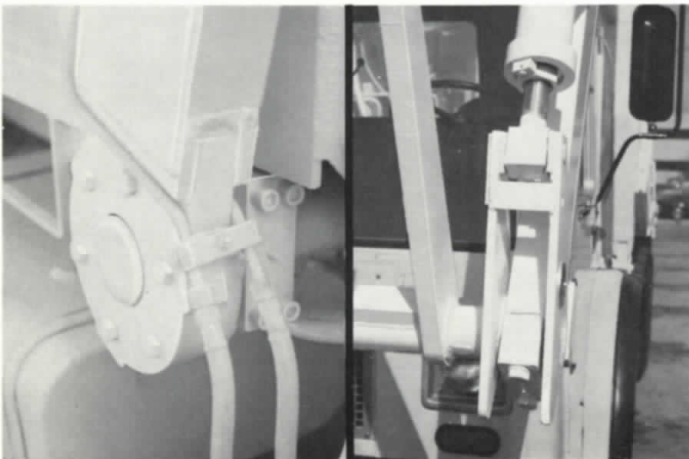
Dumpmaster's front loader arms have gross lifting capacities of 4,800 or 8,000 pounds. Heavy, self-packing containers can be handled with a minimum of strain and wear. The hydraulic loader assembly is activated inside the cab by easy-to-operate manual controls. Rugged box-type arm construction is designed for heavy lifting.

STRONG ARM STOP CUSHIONS



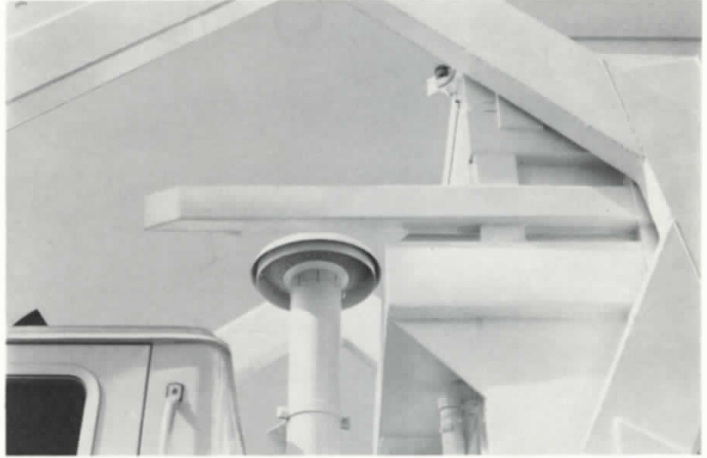
These heavy-duty rubber stops prevent arm over-travel and cushion the shock loads when heavy containers are dumped into the hopper.

BOLT-ON SUB-ASSEMBLIES
WITH REPLACEABLE BUSHINGS



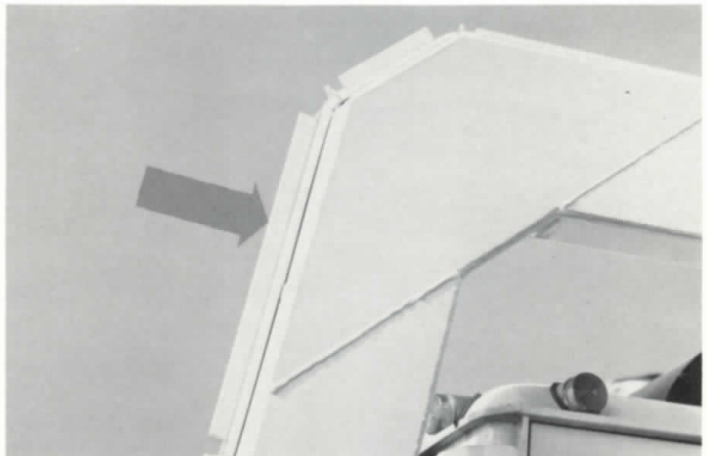
By bolting the arms directly to the body-mounted torque tube, burning or welding is not necessary for parts replacement. Replaceable bronze bushings on the lifting arm assembly and split steel bushing on the front torque tube eliminates costly parts replacement and downtime.

FIRM LATERAL ARM SUPPORTS



These rigid guides attached to the body assure strong lateral support for the arms during the entire lifting cycle and precise container engagement.

ARM HYDRAULIC PROTECTION



A steel bar running the length of both arms protects both feed and return hydraulic lines from low hanging limbs and other possible obstructions.

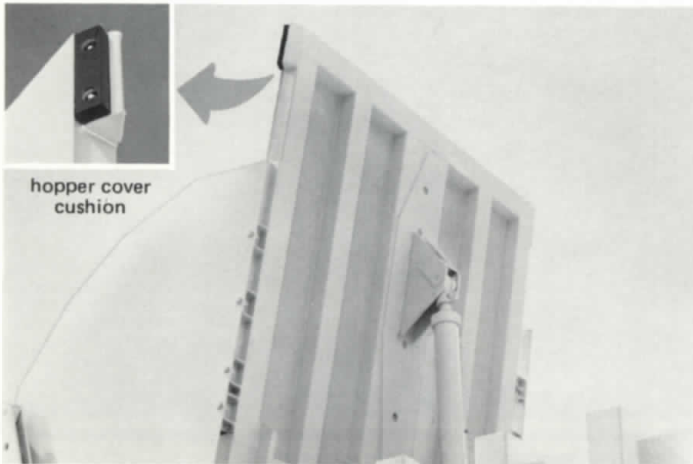
DASH-MOUNTED WARNING LIGHT



This warning light system meets or exceeds all ANSI requirements, by clearly indicating when the hopper cover is open, the tailgate is not fully closed or the arms are above the body.

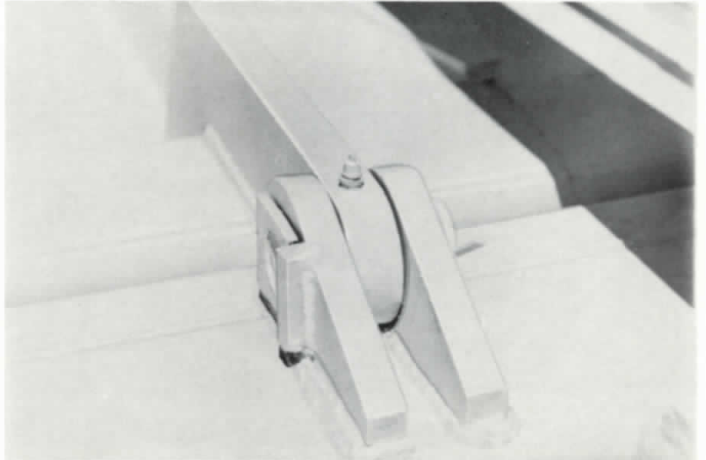
BODY

HOPPER COVER WITH HEAVY-DUTY SIDE SHIELDS



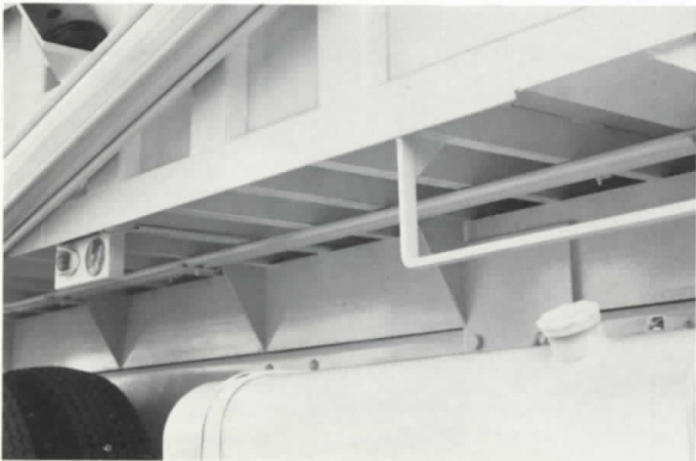
Dumpmaster's hopper cover opens a full 10 degrees beyond vertical. The bolt-on side shields are designed to prevent refuse scattering, and built with ¼-inch steel for durability and reduced maintenance.

HINGES INCLUDE GREASE FITTINGS



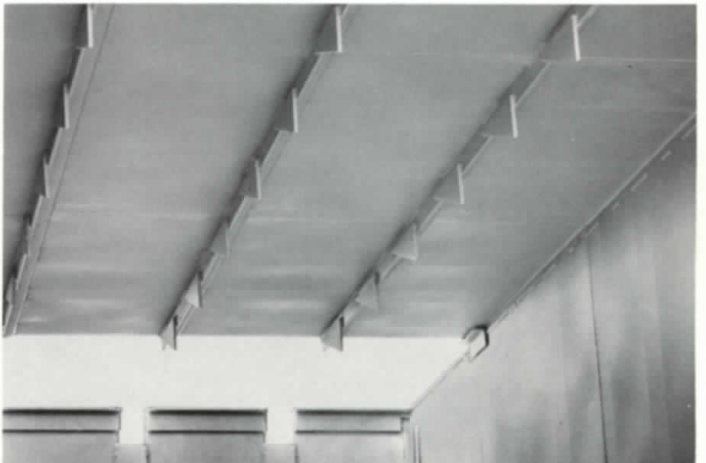
For extended life and reduced noise all hinges are equipped with grease fittings. The cylinder includes a knuckle for precise hopper cover adjustment.

BODY MOUNTED DIRECTLY TO CHASSIS



The 9" body longitudinals are mounted directly to the chassis frame eliminating the need for wood stringers. ¼-inch high-tensile steel floor with three-inch structural channel crossmembers provides extra strength and longer life.

RETAINER TEETH



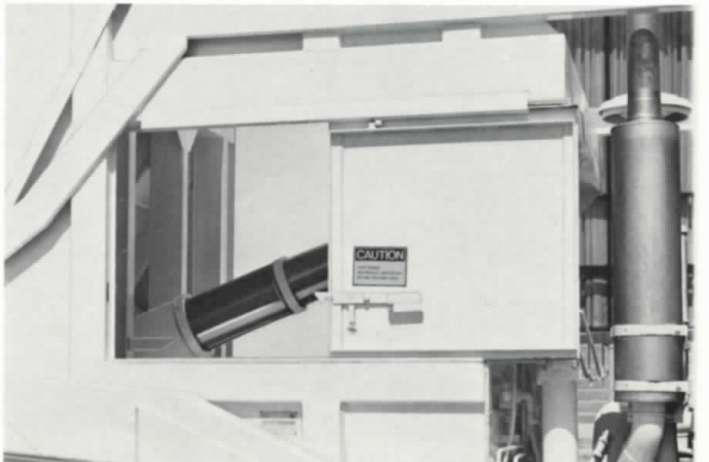
We've sloped the retainer teeth angle for easier packing yet better material retention. These "Shark's Teeth" allow refuse to be easily packed but effectively held in place . . . minimizing material fallback into the loading area when the packer head is retracted.

TOP ACCESS LADDER



Provides easy access to top of unit.

SLIDING ACCESS SIDE DOOR

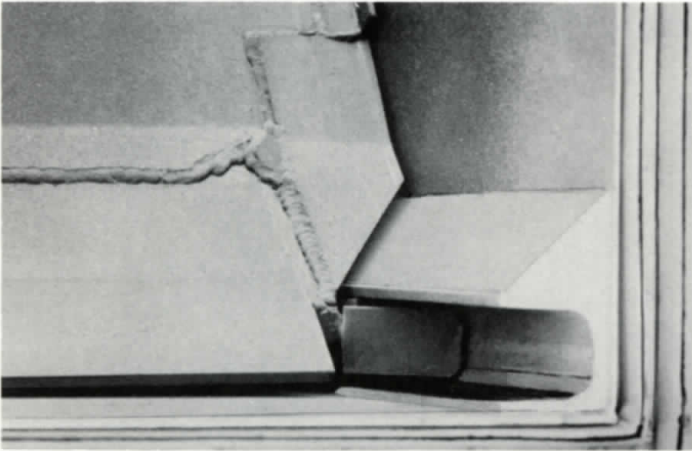


This easy open-and-close door to body interiors eliminates accidental door damage common on hinged door designs.

High Quality Features

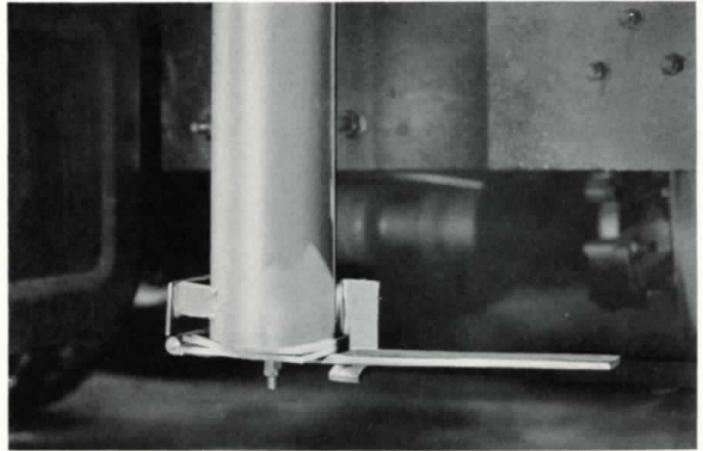
BODY

SELF-CLEANING GUIDE CHANNELS



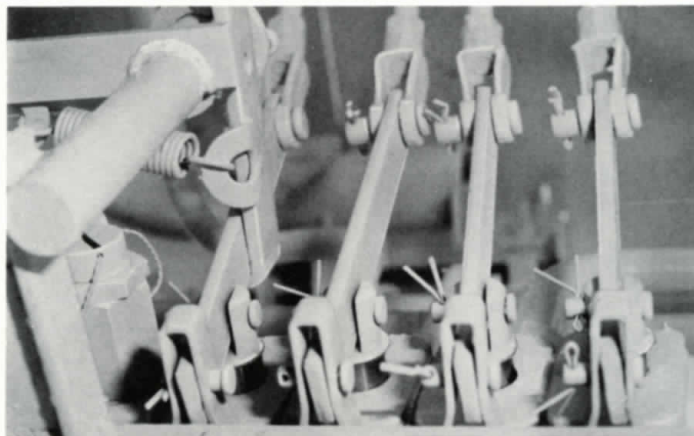
Eliminate material build-up preventing jamming and binding of packer blade. Angled guides push material toward center of body instead of along the channels.

SUMP DRAIN



The easy-to-open 16-gallon sump drain, equipped with a gasketed cover, quickly clears liquid from the front of the body.

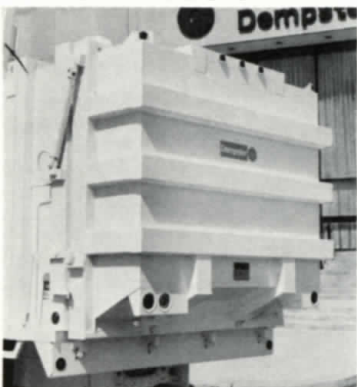
NEW LOADER LIMIT DEVICE



Eliminates the problem of dumping behind the blade. This new mechanical device makes it impossible to dump until the packing blade is in the full forward position.

TAILGATE

NEW STOR-DOR TAILGATE DESIGN



On 28, 34 and 41 cubic yard bodies. Reinforced with high-tensile steel channels to withstand high internal packing pressure, the Stor-Dor tailgate is top-hinged with manual rear-door latch. Two side-mounted single acting cylinders open quickly for material ejection.

IMPROVED TAILGATE LIGHTING



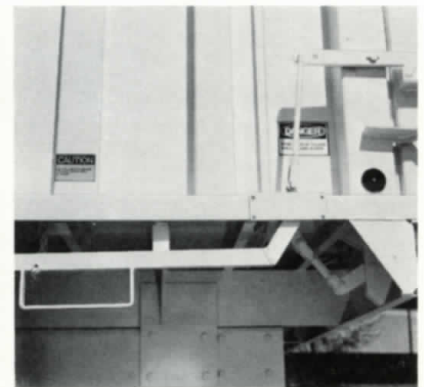
We've moved the clearance lights down so they're less vulnerable to tree limbs. Also, Dumpmaster's traffic signal lights have been moved up to prevent damage by refuse at the dump site.

HEAVY-DUTY REAR DOOR SEAL



This improved gasket design with deep flanges provides an effective liquid seal and assures more durability and longer life.

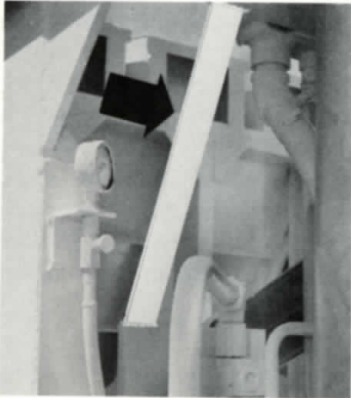
ADJUSTABLE TAILGATE LATCH



This keeps gasket tight and effectively retains liquid in the body.

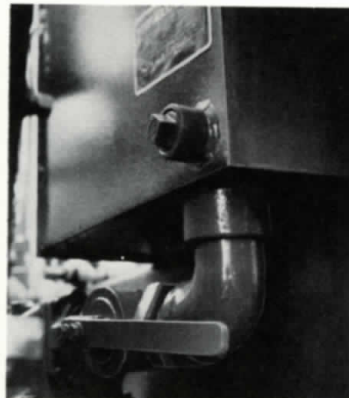
HYDRAULICS

IMPROVED CONTROL VALVE MOUNTING



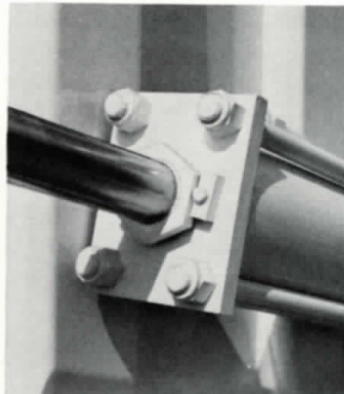
Additional reinforced bar on the mounting bracket for the control valve extends tube life and cuts down on hydraulic leak and oil usage. (Optional pressure gauge shown)

LARGER HYDRAULIC OIL TANK



This 74-gallon tank, filled with 67 gallons of fluid, provides ample hydraulic fluid for maximum workloads with cut-off valve for easier hydraulic maintenance.

IMPROVED HYDRAULIC CYLINDER PACKING



Dumpmaster hydraulics feature "V-shaped" Chevron shaft packing and chrome-plated hydraulic cylinder shafts for easiest hydraulic maintenance yet.

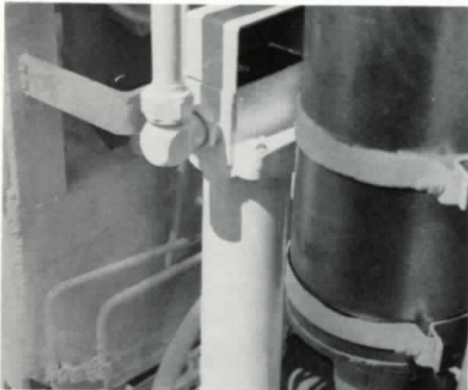
OIL TANK SIGHT GAUGE



Provides an easy instant reference for checking the oil level in the hydraulic tank.

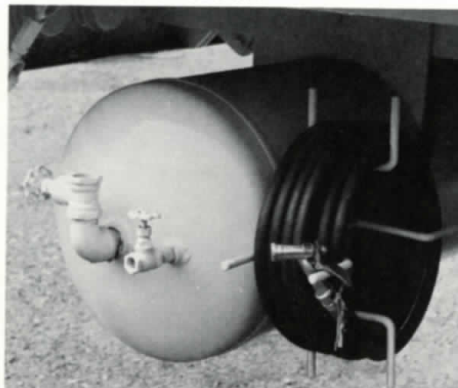
OPTIONS

HYDRAULIC RETURN LINE FILTER



HYDRAULIC RETURN LINE FILTER keeps oil cleaner so it lasts longer. This efficient system extends the life of the hydraulics.

WASH-OUT TANK



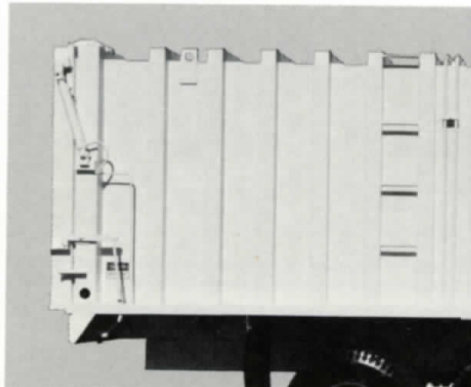
WASH-OUT TANK mounted under the rear of the body holds water or liquid deodorant compound. Connected to the truck chassis air supply system, the pressurized wash-out system permits quick and convenient cleaning of containers.

CAB-O-SCOPE



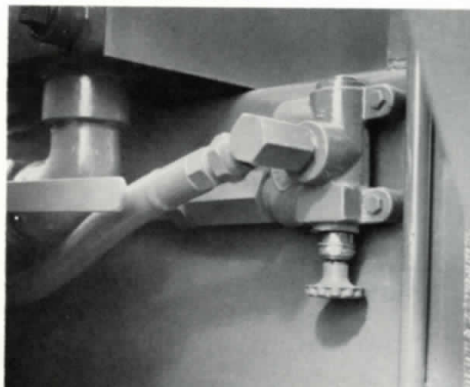
CAB-O-SCOPE mounted in cab ceiling allows operator to view containers during all stages of dumping process. Installs easily in the field or can be mounted at the factory.

TOP HINGE HYDRAULIC TAILGATE



TOP HINGE HYDRAULIC TAILGATE on 25 and 31 cubic yard models for automatic ease in dumping without manually having to disengage the rear door.

HOPPER COVER BY-PASS VALVE



HOPPER COVER BYPASS VALVE makes hydraulic maintenance easier for bypassing the automatic hopper cover circuit to allow the arms to be raised in full cycle position without opening the hopper cover.

HD Dumpmaster Condensed Specifications

LIFTING ARMS

CAPACITY: DP-48 — 4,800 pound gross load. DP-80 — 8,000 pound gross load. (Both DP-48 & DP-80 are rated at the center of an 8 cubic yard standard container at ground level.)

ARM CONSTRUCTION: One-piece, box-type steel construction, contoured for cab door clearance at all times.

DUMPING FORKS: 1½" high-tensile steel plate welded to a 4" tubular cross member mounted in replaceable steel bushings.

REAR TORQUE TUBE: 4½" in diameter, extends full width of compaction body and is mounted in replaceable bronze bushings, attached to the lower portion of the body.

ARM CYLINDERS: Two double-acting cylinders, 4" diameter with 51" stroke (DP-48) & 5" diameter with 55" stroke (DP-80).

DUMPING FORK CYLINDERS: Two double-acting cylinders, 3½" diameter with 24" stroke (DP-48); and 4" diameter with 24" stroke (DP-80).

ARM STOPS: Reinforced, rubber, bolt-on stops located on both sides of body.

CAB CONTROLS: Manual lever-operated cab controls activate hydraulic controls which raise, lower, dump and return the container.

TAILGATE

REAR DOOR: 25, 31 & 38 HD compaction bodies — 10-gauge high-tensile steel reinforced with 3/16" and 10-gauge high-tensile box bracing.

STOR-DOR TAILGATE: Standard on 28, 34 & 41 HD compaction bodies — 10-gauge high-tensile steel face sheet and 12-gauge high-tensile steel side sheet, framed and strongly reinforced by 10-gauge and 7-gauge steel channels; contoured to provide up to 3.5 cubic yards of storage area.

HYDRAULICS: Operating pressure 1600 PSI with a pump capacity of 37 GPM at 1200 RPM.

BODY CONSTRUCTION

FLOOR: ¼" high-tensile steel reinforced with 3" structural channel located on an 11" maximum span in the hopper area and 12" in the rear. Two 9" structural channel longitudinals extend full length for mounting directly to steel chassis rails.

SIDE WALLS: 12-gauge high-tensile steel reinforced with continuously welded pressed steel channels.

TOP: 12-gauge high-tensile steel reinforced by 12-gauge high-tensile box bracing for maximum strength.

PACKER HEAD CONSTRUCTION: 10-gauge high-tensile steel face sheet heavily reinforced by structural members. Complete cycle time approximately 60 seconds.

PACKER HEAD SLIDE: Low-friction, wear resistant, ultra-high molecular weight polymer.

PACKER HEAD GUIDE CHANNELS: Rugged 3/8" high-tensile steel formed guide channels; floor mounted, adjacent to body side walls for superior strength with 10-gauge diagonal reinforcing bar solid-seam welded full length.

WELDING: Floor, side walls and top sheets continuous seam welded.

Model Number	Approx. †† Arm Capacity (Pounds)	Approx. †† Body & Loader Weight (Pounds)	Overall Dimension		Hopper Opening	Hopper Capacity (Cu. Yards)	Capacity Rear of Hopper (Cu. Yards)	Total Capacity (Net Cu. Yards)	Sump Capacity (Gallons)	Packing Cylinder	Packing Force (Pounds) @ 1600 PSI	Loading Cycle Time (Seconds) ††††
			Width	Height †††								
DP48-25 HD	4,800	17,200	8'	8' 1"	31' 7"	87" x 80"	8.9	15.3	24.4	16	8½" x 13" 5 Stage	22
DP48-28 HD †	4,800	17,600	8'	8' 1"	33' 6"	87" x 80"	8.9	18.3	27.2	16	8½" x 13" 5 Stage	22
DP48-31 HD	4,800	18,400	8'	8' 1"	35' 3"	87" x 80"	8.9	21.0	29.9	16	9½" x 16" 7" 6 Stage	22
DP48-34 HD †	4,800	18,800	8'	8' 1"	37' 3"	87" x 80"	8.9	23.9	32.8	16	9½" x 16" 7" 6 Stage	22
DP48-38 HD	4,800	19,200	8'	9' 4½"	35' 3"	87" x 80"	11.3	25.3	36.6	16	9½" x 16" 7" 6 Stage	22
DP48-41 HD †	4,800	19,800	8'	9' 4½"	37' 3"	87" x 80"	11.3	28.8	40.1	16	9½" x 16" 7" 6 Stage	22
DP80-25 HD	8,000	17,700	8'	8' 1"	31' 7"	87" x 80"	8.9	15.3	24.4	16	8½" x 13" 5 Stage	32
DP80-28 HD †	8,000	18,100	8'	8' 1"	33' 6"	87" x 80"	8.9	18.3	27.3	16	8½" x 13" 5 Stage	32
DP80-31 HD	8,000	18,900	8'	8' 1"	35' 3"	87" x 80"	8.9	21.0	29.9	16	9½" x 16" 7" 6 Stage	32
DP80-34 HD †	8,000	19,300	8'	8' 1"	37' 3"	87" x 80"	8.9	23.9	32.8	16	9½" x 16" 7" 6 Stage	32
DP80-38 HD	8,000	19,700	8'	9' 4½"	35' 3"	87" x 80"	11.3	25.3	36.6	16	9½" x 16" 7" 6 Stage	32
DP80-41 HD †	8,000	20,300	8'	9' 4½"	37' 3"	87" x 80"	11.3	28.8	40.1	16	9½" x 16" 7" 6 Stage	32

† 28 HD, 34 HD & 41 HD bodies include Stor-Dor Tailgate

†† Rated for 8 Yd. container pickup at ground level

††† For total height, add height of truck chassis and stringer

†††† Add 3.8 Seconds for Hydraulic Hopper Door

Dempster Dumpster Systems constantly seeks ways to improve and upgrade its products. For this reason, design changes are sometimes made 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.

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