

Division of
Carrier Corporation**Dempster
Brothers****Front Loading
Container Handling
Unit****Model DM-41****Dumpmaster**

The Ultimate in Container Handling. Bonus Payloads . . . Tighter Compaction.



- 1 Dumping forks engage container sleeves
- 2 Container is lifted
- 3 Container rotated and material emptied into packer body.



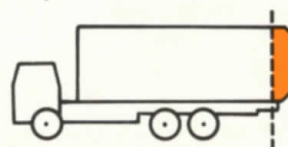
The Model DM-41 Dumpmaster consists of a Model DM-38 self-loading compaction body with a Stor-Dor Tailgate which increases total body capacity to 40.5 cubic yards. Because of its bonus storage capacity, and high performance features, the DM-41 Dumpmaster can give you bigger pay loads, tighter compaction. This means you can go extra miles and service more containers to cut trips to the disposal site. Consider these features: extra strong packer head with rigid reinforcing throughout; self-cleaning guide channels; three rows of material retainer teeth; plus Stor-Dor Tailgate design which provides bonus storage capacity. These and other features make the DM-41 Dumpmaster the finest container handling unit in the world.



The Dumpmaster handles standard detachable containers from one through eight cubic yard capacities.

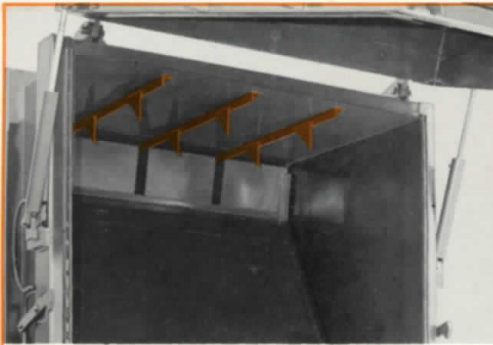
Stor-DorTM Tailgate Increases Compaction . . . Adds Bonus Storage Space

The special design of the optional Stor-Dor Tailgate increases material compaction throughout the body and creates a bonus storage capacity of 3.5 cubic yards. As the sloped packer head directs material against the inside curved surface of the tailgate, refuse is rolled upward, forced high up into the body, and tightly packed. The result is tight compaction and maximum payloads.

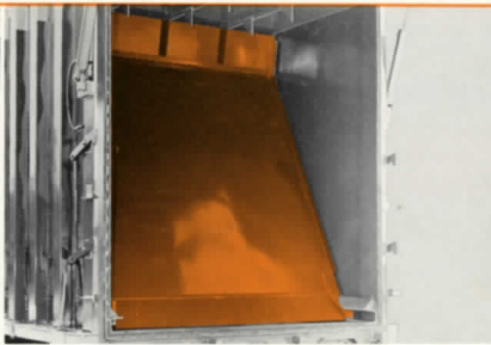


3.5 cubic yards/bonus
storage capacity.

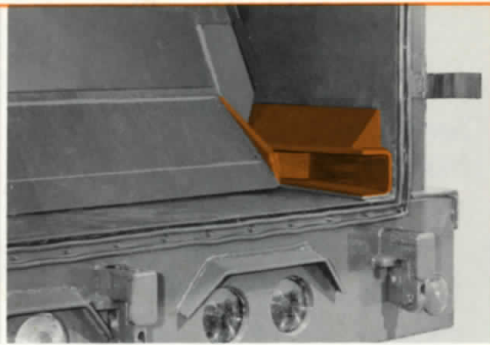




Three rows of material retainer teeth at the top of the body prevent fall-back of compacted material when the packer head is retracted.



The high tensile steel packer plate has heavy duty reinforcing and rigid brace members for maximum strength. The slope of the packer head is designed to lift refuse up and back inside the body.



Self-cleaning guide channels eliminate material build-up in channels and permit worry-free, jam-free operation. Guides push material toward center of body instead of along the channel.



Rigid, closely spaced hat section reinforcing supports the floor for maximum strength, and eliminates "wash boarding".



The top hinged Stor-Dor Tailgate is quickly opened by the action of two side-mounted, single-acting cylinders.



The Stor-Dor Tailgate is heavily reinforced with high tensile steel channels to withstand packing pressure. Neoprene gasket provides liquid tight seal.

CONDENSED SPECIFICATIONS

NOTE: The Model DM-41 Dumpmaster consists of a DM-38 compaction body with Stor-Dor Tailgate extension. If desired, a Model DM-38 Dumpmaster with standard tailgate is available.

BODY CONSTRUCTION

Floor: 7-gauge high-tensile steel reinforced by steel hat section crossmembers, 4½ inches maximum span between members.

Side Walls and Top: 12-gauge high-tensile steel side walls reinforced by vertical box braces continuous seam welded to sides and top.

Model DM-41 Stor-Dor Tailgate: 10-gauge high-tensile steel face plate and 12-gauge high-tensile steel side plate, framed and strongly reinforced by 10-gauge and 3/16" steel channels. Contoured to provide 3.5 cubic yards of storage area.

Model DM-38 Tailgate: 12-gauge steel reinforced around perimeters by pressed steel and boxed structural members and reinforced by horizontal and vertical box braces.

Packer Head: New improved design. 10-gauge high-tensile steel plate with added reinforcing and rigid brace members.

Packer Head Slides: Low-friction, wear-resistant, high-density plastic slides.

Packer Head Guide Channels: 3/8" high-tensile steel pressed

channels; floor mounted, adjacent to the side walls for superior strength.

Welding: All internal seams and abutments continuous seam welded.

GENERAL

Lights: Conform to Federal Motor Vehicle Safety Standard 108. Rear lighting on lower level protectively mounted in body recess.

Finish: Uni-color paint in standard Dempster colors.

HYDRAULIC SYSTEM

Control Valve Bank: Designed with built-in pressure relief, with separate sections for actuating packer plate, lifting arms and dumping forks. Valve is controlled by a rod and linkage control-stand, mounted in cab. Driver controls all operations from inside cab.

Pump: Hydraulic gear-type pump, 37 GPM at 1200 RPM, is coupled to a power take-off mounted to the truck transmission.

Oil Reservoir: 106 gallons capacity oil reservoir with 80 gallons of anti-wear hydraulic oil. Supplied with a 50 GPM oil strainer.

Model	Approx Body Weight	Inside Dimensions			Overall Dimensions			Hopper Opening	Hopper Capacity††	Capacity Rear of Hopper	Total Capacity	Sump Capacity	Packing Cylinder	Packing Force†††	Cycle Time
		Width	Height	Length	Width	Height†	Length								
DM-38	12,500 lbs.	6'8"	7'7½"	21'8"	8'	13'3½"	35'7"	6'8"x7'4"	11.7 cu yds	25.3 cu yds	37 cu yds	16 gal	9½"x199¾" 6 stage	95,500 lbs	55 secs
DM-41	13,000 lbs.	6'8"	7'7½"	23'8"	8'	13'3½"	37'7"	6'8"x7'4"	11.7 cu yds	28.8 cu yds	40.5 cu yds	16 gal	9½"x199¾" 6 stage	95,500 lbs	55 secs

† Based on 42" chassis height plus 3" stringer

††† With DP-60 Lifting Arms

†† Does not include area occupied by packing mechanism

Dempster Brothers constantly seeks ways to improve and upgrade its products. For this reason, design changes are sometimes made. If any dimension or capacity is critical, check with the factory for current specifications.

Division of
Carrier Corporation

**Dempster
Brothers**



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