

# Dempster DumpMaster<sup>®</sup> XHD.



***When you see it pack,  
you will see it differently.***

It looks like the world's best selling front loader on the outside. But when you pack 25% more payload into the 33 yard DumpMaster<sup>®</sup> XHD, it will look a lot bigger. You get the same superior arm and smooth container handling our HD series is famous for. Plus, Xtra packing power and Xtra strength where it counts. In fact, you can get enough Xtra payload to handle more containers with fewer trucks. Save big on operating, maintenance and landfill costs. Take an Xtra good look at the DumpMaster XHD. It will grow on you.



**Dempster Systems**

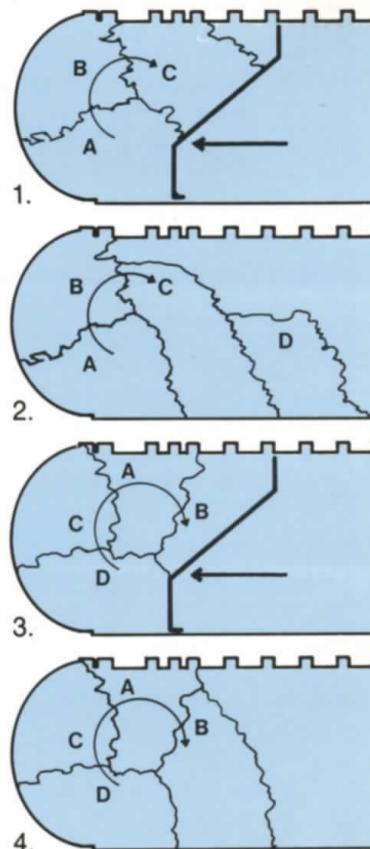
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## Xtra packing power is standard on every DumpMaster® XHD.



Xtra High Density packing shows up in a solid payload . . . like toothpaste coming out of a tube. This Xtra compaction is the result of the Dempster engineered tailgate, designed to rotate refuse as the compaction cycle takes place. As it rotates, refuse is compacted over and over by a specially shaped packer head, until every corner of the body is filled. The new Dempster Roto-Dor tailgate really works.

1. Packer head drives refuse (C) up and over.
2. As packer head retracts, compacted refuse (C) in upper body falls into empty head space.
3. New load (D) is compacted against (C) and packer head drives refuse (C) up and around again.
4. Refuse (B) falls into empty space left by packer head.



## DumpMaster® XHD condensed specifications

### Loader arms

**Cycle Time:** 31 sec.

**Capacity:** DP-80 —8,000 pound gross load. Rated at the center of an 8 cubic yard standard container at ground level.

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

**Forks:** 1½" (50,000 PSI) steel plate welded to a 4" tubular cross member mounted in replaceable steel bushings.

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

### Tailgate

**Roto-Dor tailgate:** 10-gauge (50,000 PSI) steel face sheet and 10-gauge (50,000 PSI) steel side sheet, framed and reinforced by 12-gauge (50,000 PSI) steel channels.

### Body

**Floor:** ¼" (50,000 PSI) steel reinforced with 3" structural channels located with 8½" maximum span. Two 8" ship channel longitudinals extend full length for mounting directly to steel chassis frame.

**Side walls:** 10-gauge (50,000 PSI) steel reinforced with continuously welded pressed steel channels.

**Roof:** 12-gauge (80,000 PSI) steel reinforced by 12-gauge and ¼" (80,000 PSI) steel box bracing for maximum strength.

**Packer head:** ¼" (50,000 PSI) steel face sheet heavily reinforced by structural members. Complete cycle time approximately 65 seconds.

**Packer head slide:** Low-friction, wear resistant, ultra-high molecular weight polymer.

**Welding:** Floor, side walls and roof sheets continuous seam welded.

### Hydraulics

**Operating pressure:** 2,000 PSI with a pump capacity of 50 GPM at 1,200 RPM.

**Arm cylinders:** Two double-acting cylinders, 5" diameter with 55" stroke.

**Packer cylinder:** 9¾" Dia. x 190" stroke — 4 stage; 149,300 lbs. force; 65 sec. cycle.

**Fork cylinders:** Two double-acting cylinders, 4" diameter with 24" stroke.

**Cab controls:** Manual lever-operated cab controls activate hydraulic valves which raise, lower, dump and return the container.

Model Number	Arm Capacity (Pounds)	Approx. Body & Loader Weight (Pounds)	Overall Dimension			Hopper Opening	Hopper Capacity (Cu. Yards)	Body and Tailgate Rear of Hopper (Cu. Yards)	Total Capacity (Net Cu. Yards)	Sump Capacity (Gallons)
			Width	Height	Length					
XHD 80-33	8,000	19,700	8'-0"	9'-0"	34'-9"	87" x 80"	8.5	24.5	33	21

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

Bulletin No. XHD0785

All specifications and equipment subject to change without notice.

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