

THE TOOLS OF THE TRADE

DEMPSTER
A WASTEQUIP COMPANY

THE FULL POTENTIAL OF MID-PACKING FRONT LOADERS HAS BEEN REALIZED



DM2TM

DM2™



NEW STREET SMARTS

With DM2™, "street smarts" translates into *fast, efficient!* DM2's powerful arms lift and load in seconds. Total cycle time is 16 seconds. Compaction cycle time is 30 seconds. And with optional Auto-pack you can load quickly and continue to pack while on route to your next stop. Not only are DM2's arms strong and fast, the cylinders are fitted with high quality spherical bearings for extremely long life.

NEW LEADER OF THE PACK

Key is the unique design of the packer head, which results in a higher level of efficiency. Mid-packing front loaders typically leave a void in the top, rear area of the body. Now, DM2 fills in all the gaps – an attribute sure to please waste managers who are striving for 100% efficiency. You're also going to like the way the packer head moves flush with the side-walls throughout its full travel. The packer head's flush fit, deflector shield and scraper bar prevent excess material from spilling behind the blade; saving you countless hours of unproductive clean-out labor.

THE NEW GENERATION



NEW BODY SCULPTING

A major weight saving innovation is the exclusive single cylinder body lift design. The powerful telescopic cylinder saves weight without compromising strength or durability. Another advantage of the design is it virtually eliminates side cylinder mounts, providing a clear frame for mounting third axles. Dempster CAD technology has decreased weight even more by varying the thickness of DM2's steel skin throughout, making this packer the strongest, leanest ever!

NEW TOOL FOR THE 90'S

The approaching 21st century is bringing a whole new generation of service and equipment needs to the solid waste management industry. Tool-up for the 90's with the new smart systems for waste management. For more than 60 years Dempster has been providing the industry with innovative waste collection tools. Today, waste professionals need look no further than DM2 for the new generation front loader that will take them smartly into the future – ahead of the pack!

DM2™

*Lightweight SLIDING HOPPER DOOR
standard; HINGED DOOR optional.*

*NEW GENERATION MID-PACKING BODY DESIGN
for maximum possible payload, fewer trips to the landfill.
Steel thickness is varied throughout to insure lightweight, long life.
Curved sidewalls result in highest strength-to-weight ratio;
easy off-loading. Choose DM2 in BODY LIFT
or FULL EJECT models.*

*REAR HINGE assembly employs
easy maintenance bolt-on design.*



DEMPSTER
DM2

HYDRAULIC
OIL ONLY

LEADER OF THE PACK

HYDRAULIC SYSTEM features easy access components, return line filter for extended life service. Pressure filtration option available.

Optional AERODYNAMIC CAB PROTECTOR is lightweight and has built-in light package.

CAB MOUNTED CONSOLE features air-actuated hydraulic controls.

EXCLUSIVE SINGLE CYLINDER BODY LIFT DESIGN reduces weight and allows for a clear frame for mounting third axles.

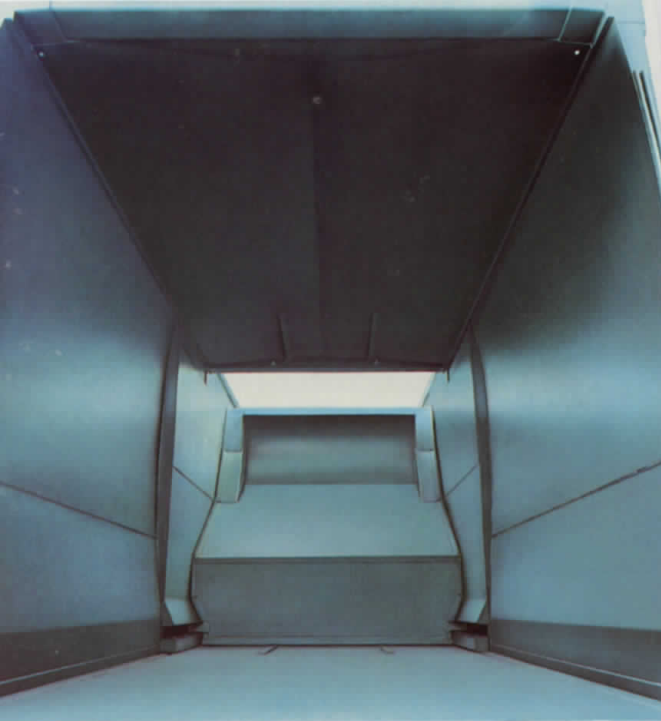


DM2™

UNIQUE PACKER HEAD DESIGN features body offset at fullest travel point of packer head. Flush fit, deflector screen and scraper bar prevents spillage into hopper – saves clean-out labor. Packer head is contoured to pack more thoroughly. Both plastic and steel packer head shoes are available. The steel shoes can be replaced without removing the packer head from the body.



FOLDING HOSE CARRIER provides short-cut for body hydraulics; shortens length of response time, saves weight and eliminates excess fittings and hose.



PURE PACKING POWER from crossed, single stage/double-acting cylinders. Simple, low-maintenance and long lasting.

EXCLUSIVE SPRING-LOADED CYLINDER MOUNT SYSTEM extends component life. Smooth, quiet operation.



Choose DM2 in **BODY LIFT** or **FULL EJECT** models.

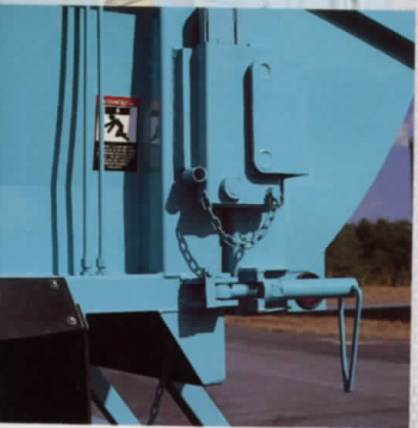


CAB MOUNTED CONSOLE features air-actuated hydraulic controls. Many select options such as Auto-pack and a variety of vision systems are also available.

STREET SMARTS

TORQUE TUBE features rugged supports, bronze bushings for rigid support and long life. Optional center support bearings are available.

TRUCK-LITE™ THROUGHOUT including mid-body turn signals standard.



HYDRAULIC TAILGATE LOCK/UNLOCK assures positive locking and sealing.

DEMPSTER DM2™, new generation mid-packing front loader reflects "street smarts."



THE ARCHITECT OF FRONT LOADERS

If you're going to build a superior product you'd better start with a sound concept. The basic concept of a mid-packing front loader makes a lot of sense. In this business you can hardly do better than a concept that says *less weight – more payload!*

So, we didn't set out to fix the concept – it wasn't broken. Instead, our goal was to build a *better* mid-packing front loader. More than that – *the best front loader in Dempster's 60 year history.*

We began by putting our customers first. We listened when they told us what was needed on the streets. Next, we tapped into the latest technology in our field plus innovations in other fields, as well.

Then, we drew upon *Dempster know-how* – the experience gained from originating and building front loader tools for the trade for more than 60



THE DEMPSTER DUMPMASTER™, a 50's legend. Many ideas first developed for this vintage front loader are employed today in the new generation Dempster DM2.

years. DM2, in fact, is named after the *Dempster Dumpmaster™*, a breakthrough front loader of four decades ago.

I'm proud to say that DM2 lives up to its heritage and speaks to everything on our customer's "wish list," as well. With this new generation "smart truck," *the full potential of mid-packing front loaders has been realized.*

Henry French

HENRY FRENCH led the three-man development team whose combined experience designing front loaders totals more than 100 years.



TECH DATA

DEMPSTER

DM2™

FRONT LOADER

MATERIAL SPECIFICATIONS

Packer, Lower Face	1/4", ASTM A514 GR B, T-1A
Packer, Mid Face	3/16", ASTM A514 GR B, T-1A
Packer, Upper Face	10 GA, ASTM A607 GR 50 HSLA
Floor, Under Packer	12 GA, ASTM A607 GR 50 HSLA
Floor, Hopper	3/16", ASTM A514 GR B (T-1A)
Floor, Body	3/16", ASTM A514 GR B (T-1A)
Arm Side Plates	1/4", ASTM A572, GR 50.
Arm Wrappers	3/4", ASTM A572, GR 50.
Roof	12 GA, ASTM A656, GR 80.
Side Walls	Light version: 10 GA Front, 12 GA Rear, ASTM A656 GR 80. Heavy version: 7 GA Front, 11 GA Rear, ASTM A656 GR 80.
Rear Torque Tube	4.5" O.D. x 3.5" I.D., C1015 Seamless Steel Tube.
Tailgate	Light version: 12 GA, Side & Back, ASTM A656 GR 80. Heavy version: 11 GA, Side & Back, ASTM A656 GR 80.
Forks	1" ASTM A514 GR B (T-1A)

HYDRAULIC SYSTEM

FILTRATION:	
Return Line Filter	10 Micron
Suction Line Strainer	20 mesh, magnetic.
PRESSURE AND FLOW:	
System Rating	2000 psi @ 70 gpm
CAPACITY:	
Oil Reservoir	55 gal.
CYLINDERS:	
Arm	Qty 2, 5" dia. bore x 2-1/2" dia. rod x 46-7/8 stroke
Fork	Qty 2, 4" dia. bore x 2" dia rod x 24" stroke
Hopper Door	Qty 1, 2-1/2" dia. bore x 2" dia. rod x 97-1/2" stroke
Packer (Tilt to Dump)	Qty 2, 6" bore x 4-1/2" induction harden rod tube x 71-1/2" stroke Induction hardened and hard chrome plated rods
Packer (Full Eject)	Qty 2, telescopic, 6", 5", and 4" dia. rods. 176" total stroke. Induction hardened and hard chrome plated rods.
Tailgate Lift	Qty 2, 3" dia. bore x 1-3/4" dia. rod x 41-3/4" stroke
Body Lift	Qty 1, Telescopic 6", 5", 4" dia. rods x 118-1/2" stroke

BODY SPECIFICATIONS

BODY VOLUME:	40 cu. yd.
BODY HEIGHT: (above chassis)	108-1/2"
BODY HEIGHT: (at full tilt)	254"
OVERALL LENGTH:	419-3/4"
BODY INTERIOR:	Curved construction. Approx. 86" wide, max., 80" wide min. Height - 91" Body length - 159"
HOPPER INTERIOR:	80" wide, 101" long.
TAILGATE INTERIOR:	82" wide, 91" high, 31.25" deep.
PACKER BLADE TRAVEL:	101"
PACKER BLADE FORCE: (at system pressure)	117,350 lbs
HOPPER CAPACITY:	12 cu. yd.
DUMP ANGLE:	30 degrees
BODY WEIGHT (Standard Unit)	18,000 lbs.

CHASSIS REQUIREMENTS'

FRONT GAWR MINIMUM	18,000 lbs. (8,172 kg)
REAR GAWR MINIMUM TOTAL	44,000 lbs. (19,976 kg)
WHEELBASE	181"-197"
MINIMUM CT	155"

'CONTACT DEMPSTER INC. FOR ADDITIONAL DETAILS AND SPECIFIC APPLICATIONS.

PERFORMANCE SPECIFICATIONS

Container dump cycle time	16 seconds
Packer cycle time	30 seconds
CONTROLS:	
Standard	Air over Hydraulic



All designs, specifications and components are subject to change at the manufacturer's sole discretion at any time without notice. Data published herein is informational in nature and shall not be construed to warrant suitability of the unit for any particular purpose as performance may vary with the conditions encountered.

DEMPSTER

A WASTEQUIP COMPANY

DEMPSTER, INC. P.O. Box 1388, Toccoa, GA 30577
Phone (706) 886-2327/Fax: (706) 886-4318

© DEMPSTER, INC. 1992

ClassicRefuseTrucks.com Library