

SPECIFICATION
Truck-mounted, 20 cubic yard rear loader body.

The unit will be used in collection and loading of residential or commercial refuse. This specification describes a hydraulically actuated packer body of the rear loading type with the following minimum specifications necessary to perform the work assigned.

UNIT MUST BE MANUFACTURED IN AN ISO 9001:2000 CERTIFIED FACILITY.

The body shall conform to the latest ANSI Z245 specification as well as the Federal Motor Vehicle Safety Standard FMVSS-108 at the time of manufacture. All bidders must fill in **all** information. If meeting or exceeding specifications put **YES** and if exceptions are taken put **NO**. Any exceptions must be explained in writing. All proposals include delivery, training of operators and service personnel.

Yes/No	Offered	<u>CAPACITY</u>
_____	_____	1. The minimum capacity of the body shall be 20 cubic yards exclusive of the hopper.
_____	_____	2. The minimum capacity of the hopper shall be 3.61 cubic yards without the use of a hopper loading sill extension.
_____	_____	3. The body shall be designed to allow high density compaction of up to 1000 lbs. per cubic yard of household refuse.
_____	_____	4. The unit shall be manufactured in an ISO 9001:2000 certified facility.
_____	_____	4a. Name of registrar.
_____	_____	4b. Certificate number.

Yes/No	Offered	<u>BODY DIMENSIONS</u>
_____	_____	1. The maximum overall width shall be 96 inches.
_____	_____	2. The maximum overall length shall be 250 inches.
_____	_____	3. The maximum height above the chassis frame shall be 98" inches.

Yes/No Offered

Yes/No Offered

9. The floor cross members shall be fabricated from 7 gauge hi-tensile steel.

TAILGATE DIMENSIONS

1. The minimum hopper opening shall be 80" wide and 56" high to permit unobstructed loading of the tailgate hopper.
2. The top of the loading sill shall be equal height to the top of chassis frame to facilitate easy loading.
3. The overall height above the chassis frame with tailgate raised shall be 167 inches.
4. The length of the tailgate shall be 75"

TAILGATE CONSTRUCTION

1. The lower tailgate sides shall be fabricated from ASTM A-514 steel w/ minimum hardness of 321 BHN.
2. The hopper floor and chute shall be fabricated from 1/4" ASTM A-514 steel w/ minimum hardness of 321 BHN.
3. The tailgate sides shall be reinforced with hi-tensile steel channels interlaced and fully welded to the side sheets.
4. The hopper and chute floor shall be reinforced with hi-tensile steel channels.
5. The tailgate shall be secured to the body with tailgate lock bars made of ASTM A-514 steel. The tailgate locks shall operate automatically when the tailgate is raised or lowered.
6. The tailgate seal shall extend a minimum 24 inches up the body side.

2. The ejector cylinder shall have replaceable heat treated bushings. The cylinder shall have the following dimensions:

Body size Bore Stroke Stages
20 cu. yd. 5.5" 91" 2

3. The ejector panel shall have a 10 gauge hi-tensile steel face sheet that is reinforced by structural steel tubing and formed channels of high tensile steel.

4. The ejector panel shall be mounted on 8 high-density polyethylene wear shoes that shall be replaceable without removing the ejector panel from the body. Metallic shoes are not acceptable.

5. The ejector panel shall be guided in the body by two guide tracks located on the body sides 4" above the body floor. The tracks shall be 5 3/4" deep, fabricated from hi-tensile steel and fully welded to the body sides.

6. The ejector cylinder shall be mounted angularly to the body floor and not require a trough or depression in the floor.

Yes/No Offered

CONTROLS

1. The ejector and tailgate lift controls shall be mounted at the left front of the body.

2. Ejector and tailgate controls shall be mounted directly to the valve spool.

3. A throttle advance switch shall be located convenient to the ejector and tailgate lift controls.

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2. The packer and slide cylinders shall have hard chrome plated rods.
3. The packer and slide cylinders shall carry a minimum one year warranty.
4. Tailgate cylinders shall have hardened chrome plated cylinder rods, and be equipped with restrictors to limit the speed of raising and lowering of the tailgate.
5. Telescopic cylinders shall have chrome plated cylinder sleeves and plungers.
6. All cylinders are to operate without direct contact with the compacted load.

Yes/No Offered

_____	_____
_____	_____
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_____	_____
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ELECTRICAL

1. All electrical wiring shall be color coded and be protected by loom.
2. Electrical harnesses shall be connected with weatherproof automotive-grade electrical connectors.
3. Electrical wires shall be stranded copper type with a SXL covering to remain flexible and resist to deterioration.
4. Electrical wires shall be color coded and numbered for easy identification.
5. Body electrical system shall be protected with its own fuse block.
6. All fuses shall be ATO type.
7. All limit switches shall be water proof to prevent damage from the elements and pressure washing.

8. All lighting shall comply with F.M.V.S.S. #108, with an additional set of two stop, tail and turn lights mounted above the hopper on a light bar.

9. Clearance, backup, stop and directional lights shall be rubber grommet mounted with sealed light housings, lexan lenses, vibration resistant filaments, and unitize sealed quick change connections.

10. A 112 Db backup alarm conforming to current standards must be provided. The alarm must also sound when the tailgate is open.

11. Conspicuity tape shall be applied per ANSI Z245 requirements.

Yes/No Offered

PAINTING

1. All burrs and rough areas are to be ground smooth and all welds cleaned to remove slag.

2. Prior to application of any coating, all surfaces shall be thoroughly cleaned and conditioned with a phosphate solution.

3. The body shall then be coated with two (2) coats of a self etching epoxy primer.

4. Two finish coats of polyurethane Enamel shall be applied to produce a high gloss finish.

Yes/No Offered

ADDITIONAL REQUIREMENTS

1. A rear vision camera system shall be provided and include LCD flat screen monitor in cab.

2. An Emergency PTO Stop will be located on the rear of the body.

3. Operators and Parts manuals shall be

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provided on CD and paper copy.

Yes/No Offered

- Warranty
1. One year warranty on the entire unit.
Two year cylinder warranty.

2. Manufacturer must provide "On-Site" warranty service.

Yes/No Offered

DELIVERY

Indicate number of day's product shall be delivered after issue of the P.O.