

SPECIFICATIONS FOR HEAVY DUTY SANITATION TRUCK CHASSIS

COMPLY

YES

NO

1. SERVICE EQUIPMENT:

This truck will be used by the Department of Public Works
Sanitation Dept. for picking of trash and transferring to dump
site or transfer station

2. MODEL:

Shall be the manufacturer's current model.

YEAR _____ MAKE _____ MODEL _____

3. GROSS VEHICLE WEIGHT:

Minimum G.V.W.R. of 62,000Lbs.

4. CAB TO AXLE:

Shall be suitable for mounting a 30 to 32 yd.
automated side loader. Fitted to builder specs

5. ENGINE:

a. Must have Cummins ISL, 370 hp wet sleeve engine
design and 1250 lbs. of torque

b. Engine crankshaft to be equipped with a flange to attach
either a drive shaft or a front mounted hydraulic pump.

c. Installed engine block heater.

d. Fuel heater/water separator

e. Engine starter shall be a heavy duty Delco Remy.

6. RADIATOR:

a. Radiator shall be heavy duty type with sufficient
cooling capacity to adequately cool the engine
and transmission. The radiator must be mounted
so that a front mount hydraulic pump can be used.

b. Radiator must be all aluminum construction, if
plastic side tanks are provided it must have
additional warranty covering parts and labor for
(5) five years. This must be clearly written in
warranty documents

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	COMPLY	
	YES	NO
7. TRANSMISSION:		
a. Transmission shall be an Allison 6 speed RDS 3000 series transmission. Their shall be no substitutes.	<input type="checkbox"/>	<input type="checkbox"/>
b. Transmission shall be filled with Transynd synthetic fluid or equivalent.	<input type="checkbox"/>	<input type="checkbox"/>
8. REAR AXLE:		
a. Single speed with capacity rating of no less than 46,000 lbs	<input type="checkbox"/>	<input type="checkbox"/>
b. Full floating axle with 5.38 ratio with driver control main locking differential. Shall use a synthetic axle fluid.	<input type="checkbox"/>	<input type="checkbox"/>
9. FRONT AXLE:		
Shall have a minimum rating of 20,000 lbs. Shall have a multi-leaf system with 20,000 lb. capacity.	<input type="checkbox"/>	<input type="checkbox"/>
10. TURNING RADIUS:		
Must include a diagram of turning radius	<input type="checkbox"/>	<input type="checkbox"/>
11. FRAME:		
Frame shall have a minimum 22.10sm., 2,600,000 RBM, 120,000 psi single channel from bumper to bumper with a 20" minimum front extension and a 65" frame overhang to the rear.	<input type="checkbox"/>	<input type="checkbox"/>
12. TIRES:		
a. Front tires to be 315/80R with highway tread, "L" rating	<input type="checkbox"/>	<input type="checkbox"/>
b. Rear tires (4) to be 11.00R x 22.5 with a 14 ply rating.	<input type="checkbox"/>	<input type="checkbox"/>
c. Rear tires must be traction type	<input type="checkbox"/>	<input type="checkbox"/>
d. Must include one spare tire and rim for front and rear	<input type="checkbox"/>	<input type="checkbox"/>

COMPLY	
YES	NO

13. RIM/WHEELS:

Hub piloted, steel painted rims to match truck paint.

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14. FUEL TANK:

Tank not to be less than 60 gallons. Frame mounted, aluminum tank.

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15. BRAKES:

Air brakes:

- a. front cam 16.5" x 6" with slack adjuster and dust cover.
- b. rear cam 16.5" x 7" with slack adjuster and dust cover.
- c. Must be supplied with a Meritor- Wabco heated air dryer system.
- d. Must include drain valve and heater on all tanks
- e. Must have a minimum CFM of 18.0 and pull cords on tank to release the air.

16. EXHAUST SYSTEM:

- a. Horizontal DPF with a vertical tailpipe on the right side of cab.
- b. Must have a 45 degree elbow at the top of exhaust pipe.

17. CAB:

CONVENTIONAL CAB ONLY, NO CAB OVERS

- a. Conventional tilt hood with inspection hatches and stationary grill.
- b. Cloth high back, air ride drivers seat and passenger seat. The exception would be if passenger seat is furnished with Fontaine conversion
- c. Electric two speed wiper with delay.
- d. Sun visors left and right
- e. Air conditioning
- f. Heated mirrors left and right

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NO

- g. Electronically adjustable mirrors
- h. Cab must include power locks on both cab doors
- i. Dome light in cab
- k. Accessory power plugs mounted in dash
- l. Cab must include power windows
- m. Hour meter
- n. Tilt steering wheel
- o. Outside cab mounted entrance grab rails on both sides of cab.
- p. Cab must have power windows.
- q. Cab must have dual steer. If right hand steer is installed aftermarket it must be the Fontane right hand conversion package

18. ELECTRICAL SYSTEM:

- a. 12 volt system with a 150 amp. (minimum) brushless alternator.
- b. Three(3) 3000 CCA (minimum) batteries with a battery disconnect switch.

19. LIGHTING:

- a. Lights to include signal, tail and stop to conform to ICC and DOT regulations.
- b. Rear brake, turn, tail and side marker lights to be LED.
- c. Upfitter switches to be added to dash for additional lighting.

20. PAINT:

The entire cab to be painted white with a clear coat and a suitable primer with a black painted frame.

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21. MANUALS:

Must have a complete set of Operator, Service and Parts manuals included.

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COMPLY

YES **NO**

EMISSIONS COMPONENT WARRANTY:

* 60 Months or 100,000 miles on parts and labor to include coverage of complete after treatment system and sensors for entire warranty period

ENGINE/CHASSIS:

* Warranty is to cover all major engine components including EGR cooler, valve and mixer, turbo, fuel injectors, water pump, and labor for a period of 60 months or 100,000 miles

TRANSMISSION:

* Transmission parts and labor to be covered for a period of 36 months

TOWING:

* Towing on all warrantable failures to be cover for a period of 60 months

*** WARRANTY TO START THE DAY EQUIPMENT IS PUT INTO SERVICE**

SPECIFICATIONS FOR AUTOMATED SIDE LOADER

COMPLY

YES

NO

1. BODY CAPACITY:

Minimum capacity must be no less than 30yds including hopper

2. STEEL GRADE:

Hopper steel grade must be Hardox 450

3. FLOOR CONSTRUCTION:

Hopper floor must have a full thickness of no less than .250(1/4") and yield strength of no less than 175,000 psi

4. SIDE CONSTRUCTION:

a. Side body walls should be one piece, seamless for less resistance and less welded seams

b. Refuge body to be tapered design with a 4 (four) degree minimum taper

5. TAILGATE:

a. Rear tailgate must hydraulically operated

b. Tailgate must have automatically operating safety latches

c. Tailgate must be operated by two cylinders

d. The cab must have an alarm to notify driver that tailgate is not properly locked

e. Tailgate must have a rubber seal at least 24" high to prevent leakage of liquids

f. Tailgate must have two manual locking pins

g. Tailgate must not slide down to be in locked position

6. HYDRAULIC SYSTEM:

a. Hydraulic pump shall be a front engine, crank driven, Denison tandem vane pump, one for body and the other for arm functions, with electronic over-speed control.

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COMPLY	
YES	NO

b. The hydraulic system shall operate at an acceptable temperature without the need for external hydraulic oil cooling devices

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c. The tank shall be complete with a screened fill pipe and cap, clean out cover, oil level sight and temperature gauge and suction line shut-off valve

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d. Must have a pressurized system with at least 3psi to eliminate any chance of running the pump without oil in the pump

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e. Refuse body must be lifted by one center mount cylinder. NO chassis or side mounted cylinders

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f. Hydraulic pump shall operate ALL hydraulic features at engine idle speed of 750-850 rpm

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g. Must have an emergency stop button easily accessible inside cab

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7. PACKER CONSTRUCTION:

a. Packer must have a minimum opening of 24"

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b. Packer must be operated by two hydraulic cylinders

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c. Packer must have an emergency stop button

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d. Packer must stop all hydraulic functions when packer door is open

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e. Must have an auto pack feature

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8. BODY:

Body must have brackets for hanging cleanout tools onto the side of the body

9. CAMERA SYSTEM:

a. Must include camera system to see the rear of the vehicle while in reverse, hopper and right side grab arm

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b. Camera must have a minimum of a 7" screen that swivels

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c. Cameras must have heaters, vocal and night vision

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10. CART COUNTER:

Must include a cart counter

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COMPLY	
YES	NO

11. LUBRICATION:

All body hinges, cylinder rod ends, cylinder base rollers, trunnions and high cycle pivot points shall be supplied with grease fittings

<input type="checkbox"/>	<input type="checkbox"/>
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12. HORIZONTAL REACH:

- a. Horizontal reach must be a minimum of 144"
- b. Must have a minimum lifting capacity at maximum reach of 600lbs
- c. See attached diagram for reach

<input type="checkbox"/>	<input type="checkbox"/>
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13. AUTOMATED REFUSE CONTAINER SIZES:

Must be able to lift automated refuse containers from 36 to 95 gallons

<input type="checkbox"/>	<input type="checkbox"/>
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14. ARM CONTROL:

- a. Arm must be controlled by a joystick
- b. Joystick must be able to be moved to be operated from either side of cab.
- c. Must have indicator light when arm is extended
- d. All functions on arm to function while energizing limit switch on joystick handle

<input type="checkbox"/>	<input type="checkbox"/>

15. AUTOMATED BODY LIGHTING:

- a. All lighting on hopper must be LED including tail, stop, flashers and turn and a Whelon Roto-Beam #R416 AF LED on rear of hopper
- b. Must have two 4" amber LED strobes in upper light bar along with brake, tail, stop and turn lights

<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

16. HOPPER CAPACITY:

Hopper must have a capacity of at least 4 cubic yards

<input type="checkbox"/>	<input type="checkbox"/>
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17. CRUSHER PANEL:

Must have a hydraulic crusher to enclose hopper

<input type="checkbox"/>	<input type="checkbox"/>
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COMPLY	
YES	NO

18. BODY PAINT:

- a. Body must be properly cleaned of oils, grease, weld slag and be painted a color chosen by the buyer.
- b. Must have a minimum of two coats primer and two coats baked on enamel finish

19. CAB ACCESSORIES:

Cab must include fire extinguisher, safety triangles and first aid kit, all must be securely mounted in cab

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20. MUDFLAPS:

Mud flaps must be installed behind both sets of rear wheels

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21. MANUALS:

Must include all parts, operator and service manuals

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22. WARRANTY ON AUTOMATED BODY:

- a. Warranty must cover body and all moving parts for a period of (1) ONE year starting on the first day the vehicle is put in service
- b. Warranty on paint must be a period of (3) three years also covering paint adhesion

23. OPTIONS:

List these options and costs to be added:

- a. Cleanout tools
- b. Upgrade to heavy duty arm(include literature)
- c. Electric/ hydraulic control valve
- d. Hardox 450 body, floor and lower side walls
- e. A hydraulic pump shut down system that would prohibit prolonged operation of the hydraulics when a failure occurs

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CHASSIS MUST BE APPROVED BY REFUSE BODY MANUFACTURE BEFORE ORDERING

REFUSE BODY MUST BE APPROVED BY CHASSIS MANUFACTURE BEFORE ORDERING