

0428

Truck; Refuse Compactor

Specification Requirements	Check If Meet or Exceed	Describe Offered Alternatives
I. General:	✓	
1. The body shall have a capacity of 6.0 cubic yards.	✓	
2. The unit shall conform to FMVSS.	✓	
3. Hopper opening length shall be at least 32".	✓	
4. Inside hopper width shall be at least 60".	Exceed	Inside hopper width 64"
5. The successful bidder will be required to deliver the completed unit to one of the delivery locations annotated below.	✓	
a. 6431 Corson Ave. Seattle Wa. 98108	✓	
b. 1551 North Wenatchee Ave. Wenatchee Wa. 98807	✓	
c. 5720 Capitol Blvd. Tumwater Wa. 98501	✓	
d. 4200 Main St. Vancouver Wa. 98668	✓	
e. 2809 Rudkin Rd. Union Gap Wa. 98909-2560	✓	
f. 221 E. North Foothills Dr. Spokane Wa. 99207-2090	✓	
6. The unit shall meet all weight standards currently in effect in a fully loaded condition. Bidders shall provide the axle weight distribution chart at time of bid closure.	✓	

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Cab and Chassis shall be a Ford F550 Super Duty 4x2 19,500 GVWR Chassis	✓	
II. Cab & Chassis:	✓	
1. Load rated at 19,500 GVWR with dual rear wheels.	✓	
2. Shall be a regular cab 4x2.	✓	
3. The body vendor shall determine the wheelbase and cab to axle.	✓	156" Wheelbase with 84" Cab to Axle
4. Diesel Engine.	✓	
5. Automatic electronic transmission with overdrive.	✓	
6. Power ABS brakes.	✓	
7. HD shocks, Front & Rear Stabilizers.	✓	
8. Intermittent wipers.	✓	
9. Cloth bench seat with head restraints.	✓	
10. AM/FM radio w/clock.	✓	
11. Power Steering	✓	
12. 100+ Alternator.	✓	
13. Oil, Temp, gauges.	✓	The gauge package with diesel engine includes coolant temp, turbo boost, trans oil temp, and fuel gauges.
14. 36+ Gallon fuel capacity.	Exceeds	The standard fuel tank is 40 gallons mounted inside the frame at the rear.
15. Tachometer	✓	
16. Color keyed floor mats.	✓	Cloth bench seat is dark grey. Floor mat is black vinyl
17. Shall be equipped with cab controlled electronic idle control.	✓	Idle control is part of the PTO package and has not been wired or programmed for any application. It may be wired to one of the (4) four existing up fitter switches on the dash or an aftermarket switch.
18. Shall be equipped with factory-installed air conditioning.	✓	
19. Shall be equipped with the manufacturers recommended real axle ratio to provide the best performance and shall have a limited slip differential.	✓ ✓ ✓	

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20. Shall be equipped with cruise and tilt steering wheel.	✓	
III. <u>Body Construction:</u>		
1. No hydraulic cylinders, valves or other hydraulic components shall come in contact with refuse packed into the body.	✓	
2. Body sides, roof, and floor shall be reinforced to withstand continuous operation at maximum imposed loads without deformation or excessive wear.	✓ ✓	
IV. <u>Tailgate:</u>		
1. The tailgate shall be a one-piece vertical gate, hydraulically controlled, and shall travel vertically.	✓	
2. The tailgate shall be designed to promote rollover compaction of the refuse from the bottom rear of the body to the forward center portion of the body.	✓	
3. Shall be equipped with the manufacturer's standard controls.	✓	
V. <u>Packing Mechanism:</u>		
1. The packer body will have a wall or partition that partially separates the body from the hopper. The faceplate will serve to 1) Prevent refuse from falling back into the hopper when the cylinder is retracting. 2) Create a barrier that allows for continual refuse compaction.	✓ ✓ ✓ ✓	
2. The packing force at the rear of the hopper shall be at least 28,000 Lb.	Exceeds	28,700 Lb.
3. The packing cylinders shall be of sufficient size and stroke to accommodate a 28,000-pound compaction requirement.	✓	

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4. Packing cylinders shall be the manufacturers standard.	✓	
5. Operation of the packing system shall be available from either side of the body.	✓	
6. Movement of the ram shall have the ability to be terminated at any time in the overall stroke of the compactor.	✓	
7. The unit shall be equipped with an Auto Cycle feature, which allows continuous packing operation while refuse is being loaded in the hopper.	✓	
8. Packing cycle time shall be no more than 12-19 seconds.	✓	
9. The body shall have the ability to drain liquid inside the packer.	✓	
10. The side container dump opening shall have doors that are attached and can be manually opened, closed and locked by the operator.	✓	
VI. <u>Ejection/Pickup System:</u>		
1. Raising the tailgate and extending the ram shall accomplish the ejection system.	✓	
2. The controls for the ejection system shall be located on the curbside.	✓	
3. The controls for the can pickup system shall be on both sides of the unit.	✓	
VII. <u>Transfer of Refuse:</u>	✓	
1. Bidders shall provide pricing for various types of refuse container-lifting mechanisms and these mechanisms shall pickup and dump from both sides of the unit. (Example: Peerless CD4-RA Can Retriever)	✓	Two types of lifting mechanisms available are bayne and perkins both are priced equally.
2. Vendor shall supply a deduct price for a single can retrieval system.	✓	Deduct - (\$5260.00)
3. The compactor shall have the ability to load	✓	

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form either side of the body.	✓	
	✓	
	✓	
	✓	
VIII. Hydraulic System:		
1. The hydraulic system shall be the manufacturer's standard PTO driven system to include the following.	✓	
<i>Note: Belt driven units are unacceptable.</i>	✓	
2. A minimum 10-micron return line filter with a 25-PSI. By-pass valve.	✓	
3. The hydraulic oil tank is to have a capacity to accommodate all hydraulic functions of the unit.	✓	
4. The hydraulic oil tank shall be fitted with an oil level sight gauge and suction line shut-off valve.	✓	
5. The hydraulic oil tank shall be constructed with at least two (2) baffles with clean out provisions.	✓	
a. Two (2) Packing cylinders	✓	
b. One (1)-Ejector cylinder.	✓	
c. Two (2) Tailgate raise cylinders	✓	
d. Body lift cylinder(s)	✓	
e. All hydraulic hoses shall Weatherhead Rhino Hose with stainless steel fittings	✓	
f. A manually operated valve assembly shall be provided with sufficient capacity to operate all hydraulic components.	✓	Manually operated control valves for body raise and tailgate functions electronic push button for pack and eject
6. Shall be equipped with a Hot Shift Power Take Off (PTO) with a direct mount pump.	✓	

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	✓	
	✓	
	✓	
	✓	
IX. Lighting:		
1. Shall be equipped with a tail light housing on the rear of the unit and on each side, consisting of two (2) red 4" LED stop-turn-tail lights, one (1) clear 4" back-up light, and two (2) LED side mounted clearance lights.	✓	
2. Shall be equipped with one LED (1) 3-light I.D. cluster at the top of the rear tailgate.	✓	
3. One (1) license plate bracket and light shall be provided at the rear of the body.	✓	
4. The unit shall be equipped with two LED cab controlled Whelen L31HAF Strobe lights located at the upper rear top corners of the body.	✓	
5. Shall have a variable DBA Backup Alarm.	✓	
X. Fenders:		
The fenders and mud flaps shall be welded to the body and not the chassis frame.	✓	
XI. Options:		
1. Extended Cab chassis	✓	\$2,165.00
2. Various styles of container lifting devices.	✓	Dual \$10,520.00 Single \$5260.00
3. Bucket Seats	✓	Cloth Bucket Seats \$344.00
4. 40-20-40 Set	✓	N/C Standard
5. Vinyl Seats in Lieu of cloth	✓	Vinyl Bucket Seats - \$212.00 Vinyl Bench - \$83.00
6. Quality Backup Camera with in cab visual monitor.	✓	\$800.00 Single Camera 6" Monitor Installed
	✓	

XII. Exterior Finish

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1. The exterior finish is expected to be superior craftsmanship. There shall be no welding scale, or rough or sharp edges. All corner edges will be ground down eliminating sharp corners.	✓	
2. The body shall be sandblasted, or similarly conditioned, before painting to ensure a long-lasting finish.	✓	
3. The underside of the body, hoist and mounting hardware shall be prime coated with 3 mils dry automotive quality primer, and 3 mils of black automotive paint.	✓	
4. The exterior of the Cab and Body shall be prime coated with 3 mils dry automotive quality primer, and 3 mils of white automotive paint.	✓	
	✓	
	✓	
XIII. Publications:	✓	
1. Each unit shall be delivered with an operator's manual.	✓	Ford has a no charge, on line technical service manual website that updates weekly with all service and parts information. If this portion is not available. Helm parts and service manuals are available at \$235.00 each.
2. Bidders shall provide the Service and Parts Manuals for the Compactor and Chassis, as annotated below.	✓	
<u>1</u> Parts Manual (Per Unit)	✓	
<u>1</u> Service Manual (Per Unit)	✓	