

BASIC SPECIFICATIONS

- Y___ N___ This machine shall be a currently advertised standard production Sanitary Landfill Dozer
- Y___ N___ Basic operating weight of standard landfill tractor shall not be less than 52,097 lb (23631kg) (includes lubricants, coolant, full fuel tank, Semi-U blade with tilt cylinder, ROPS/FOPS cab, landfill counterweight, landfill package, and operator).
- Y___ N___ The overall length of the standard tractor shall be at least 18' 9" (5710 mm) when equipped with a Semi-U blade and standard landfill package.
- Y___ N___ The overall width of the standard tractor when equipped with an Semi-U blade shall be at least 11' 4" (3460mm).

ENGINE

- Y___ N___ The engine shall be of diesel type, four cycle, water cooled, direct injection and fully equipped with all necessary operating accessories.
- Y___ N___ The engine shall meet Tier III emission specifications for the U.S. (EPA) and Europe.
- Y___ N___ Engine shall develop at least 205 net fwhp (153kW). The net flywheel hp shall be for standard equipped engine operating under SAE standard conditions (J1349) at 25° C (77° F) and 29.32 in Hg (99 kPa) dry barometer using 35 degrees API gravity fuel. Standard equipment shall include turbocharger, aftercooler, air cleaner, water pump, fuel pump, muffler, and lubricating oil pump.
- Y___ N___ Machine shall have an alternator (high capacity) which is at least 90 amp, and provides additional power required for electrical accessories.
- Y___ N___ Engine shall have a turbocharger and after cooler providing full fwhp to a minimum of 10,000 ft (3,000 m) before altitude deration for standard arrangements and deration shall be automatic thereafter.
- Y___ N___ Maximum governed speed shall be 1,950 RPM at rated hp.
- Y___ N___ Machine shall be equipped with water separator.
- Y___ N___ Machine shall be equipped with 24-volt electrical starting and operating system.
- Y___ N___ Engine air cleaner shall have a service indicator.
- Y___ N___ Engine shall be equipped with a fuel priming pump.
- Y___ N___ The machine's engine enclosures shall consist of perforated gull-wing engine side covers that optimize cooling.
- Y___ N___ The enclosures shall have a gap seal package which minimizes material from entering the engine compartment.
- Y___ N___ Turbine air precleaner shall be available as a dual stage precleaner to improve engine filtration. The precleaner shall remove large particles from the incoming air before they reach the air filter, thus extending filter life two to four times.
- Y___ N___ Machine shall have a standard Hydraulic Reversing Fan which automatically reverses the fan at preset intervals, purging debris from the radiator and engine compartment. Fan shall be controlled by the electrical control module.
- Y___ N___ The machine shall be equipped with a raised prescreener which helps reduce the likelihood of airborne paper or plastics plugging the air intake. It shall provide a larger air inlet.

POWERTRAIN/TRANSMISSION

- Y___ N___ Steering and transmission control shall be in one electronic controlled palm command joy stick conveniently mounted to the operator's left. Joystick control shall have lock out lever.
- Y___ N___ The transmission shall provide at least three speeds forward and three speeds in reverse.
- Y___ N___ At least 5 preset travel speed functions will be provided to reduce gear shifting time during repeated operations
- Y___ N___ Transmission shall have a forward ground speed of at least 6.3 mph (10.1 km/h).
- Y___ N___ Transmission shall have a reverse ground speed of at least 8.1 mph (12.9 km/h).
- Y___ N___ The transmission shall be a planetary type power shift with torque converter.
- Y___ N___ Transmission shall have a standard manual and auto downshift mode.
- Y___ N___ Transmission shall electronically adjust each clutch engagement depending on travel conditions improving operator ride and component life.

STEERING

- Y___ N___ Steering shall be provided by steering planetary units with an independent hydraulic pump and motor.
- Y___ N___ Steering shall provide counter rotation turns.
- Y___ N___ Wet, multiple-disc, pedal-controlled service brakes are spring applied and hydraulically released

- Y___ N___ Gearshift lock lever must apply parking brake
- Y___ N___ Steering and transmission control shall be in one electronic controlled palm command joy stick conveniently mounted to the operator's left.

HYDRAULICS

- Y___ N___ Hydraulics and controls shall have a fully enclosed protected system.
- Y___ N___ Hydraulics and controls shall have a closed centered load sensing system for precise and responsive control, a variable displacement piston pump which adjusts hydraulic flow to match implement demands.
- Y___ N___ Machine shall have a single proportional pressure palm command joy stick for dozer control functions with lock lever conveniently mounted to the operator's right.

UNDERCARRIAGE

- Y___ N___ Undercarriages shall have high-tensile-strength monocoque track roller frame construction to resist bending and torsional loads.
- Y___ N___ Undercarriages shall have bolt-on, replaceable sprocket segments.
- Y___ N___ Undercarriages shall have the capability of replacing worn sprocket segments without breaking track.
- Y___ N___ Undercarriages shall have heavy-duty sealed and lubricated track to minimize entry of dirt, with oil lubrication of internal bushing and pin surfaces. Design shall be that of the tractor manufacturer.
- Y___ N___ Undercarriages shall have hydraulic track adjustment by grease gun, fully sealed.
- Y___ N___ Undercarriages shall have roller frame attached to the tractor by a pivot shaft and pinned equalizer bar.
- Y___ N___ Undercarriages shall have a lifetime lubricated carrier roller.
- Y___ N___ Undercarriages shall have lifetime lubricated track rollers.
- Y___ N___ Undercarriages shall have eight (7) track rollers per side.
- Y___ N___ Standard gauge shall be minimum 6' 2" (1880 mm).
- Y___ N___ Standard shoe shall be minimum 20 in (510 mm).
- Y___ N___ Standard length of track on ground shall be minimum 8' 9" (2675 mm).
- Y___ N___ Ground contact area with standard shoe shall be minimum 4,230 sq in (2.72 sq m).
- Y___ N___ Standard maximum ground pressure when equipped to spec shall be 9.0 psi (62.1 kPa).

FINAL DRIVES

- Y___ N___ Final drives shall be fully enclosed.
- Y___ N___ Final drives shall be double reduction.
- Y___ N___ Final drives shall be isolated from ground-induced shock loads.

OPERATORS STATION

- Y___ N___ Modular cab shall be available through the tractor manufacturer.
- Y___ N___ Cab will be attached to main frame using silicon oil/spring style damper mounts providing a quiet, comfortable environment
- Y___ N___ Tractor shall be equipped with electronic indicators and gauges which monitor critical operational systems and alert the operator using 4 stages of alerts when potential problems occur.
- Y___ N___ Optional tractor ripper shall have multi-shank (3) adjustable parallelogram design.
- Y___ N___ Operator seat shall include retractable seat belt.
- Y___ N___ Machine shall have adjustable armrests to help improve operator comfort for long productivity hours.
- Y___ N___ An adjustable contour suspension seat shall be provided.
- Y___ N___ Cab shall be equipped with air conditioning and an air circulation system with controls easily accessible from the operator seat.
- Y___ N___ Cab mounted air conditioner condenser and fans relocated from the engine compartment to the Cab to reduce debris and plugging shall be standard.
- Y___ N___ Cab shall provide higher cab pressurization for improved cab air quality in dust and debris-laden applications.
- Y___ N___ Cab shall include a 12 volt, 10 amp converter.
- Y___ N___ The cab shall be radio ready and come equipped with speakers, antenna, all necessary wiring and a bracket to hold a radio.
- Y___ N___ A decelerator pedal shall allow the operator to modulate ground speed effortlessly.
- Y___ N___ Engine speed is controlled by electric dial eliminating maintenance of linkage and joints
- Y___ N___ Machine shall have heavy duty steps and handles that are manufactured from plate steel and solid rod to withstand

- the rigors of landfill operations.
- Y___ N___ Machine shall have a black painted hood/cylinders/back of blade available to reduce glare from lights while operating at night and also while operating in direct sunlight.
- Y___ N___ The lighting package shall include a rear supplemental light, relocated on the Cab to help protect from debris.

STRUCTURE

- Y___ N___ Mainframe shall be designed and built by the track type tractor's manufacturer
- Y___ N___ Mainframe shall be of a hull design with casting at all critical stress areas

DOZER OPTIONS

- Y___ N___ Straight tilt shall be minimum 11' 2" in (3415 mm) wide.
- Y___ N___ Straight tilt shall be minimum 6' 3" (1900 mm) high with trash rack.
- Y___ N___ Straight tilt shall have minimum 2'10" (870 mm) tilt.
- Y___ N___ Straight tilt shall have minimum 3' 8" (1105 mm) ground clearance.
- Y___ N___ Straight tilt shall have minimum 1' 5" (440 mm) digging depth.
- Y___ N___ Straight tilt shall have minimum dozer capacity of 12.6 cubic yd (9.6 cubic m).
- Y___ N___ Semi-U tilt shall be minimum 11' 4" in (3460 mm) wide.
- Y___ N___ Semi-U tilt shall be minimum 6' 3" (1900 mm) high with trash rack.
- Y___ N___ Semi -U tilt shall have minimum 2' 10" (855 mm) tilt.
- Y___ N___ Semi U tilt shall have minimum 3' 8" (1105 mm) ground clearance.
- Y___ N___ Semi-U tilt shall have minimum 1' 5" (440 mm) digging depth.
- Y___ N___ Semi-U tilt shall have minimum dozer capacity of 14.8 cubic yd (11.3 cubic m).

GUARDING

- Y___ N___ The landfill package arrangement shall be installed at the original manufacturer's facility or at an approved alternate location.
- Y___ N___ The guarding package shall include guards for the final drives to minimize seal damage from wire and nylon strapping.
- Y___ N___ The chassis shall have guards to help protect the engine compartment by deflecting debris from rising upward along the chassis.
- Y___ N___ The guarding package shall include heavy duty hinged guards for the radiator to protect the cooling system.
- Y___ N___ The tilt cylinder lines shall run through the push arms and be fully protected from contact damage while maintaining hose flexibility.
- Y___ N___ The guarding package shall include guards for the fuel and hydraulic tank to help protect implement hydraulic oil tank, battery box and fuel tank.
- Y___ N___ The guarding package shall include guards for the crankcase (extreme service), which serves dual purposes, to minimize contact damage to vital power train components and to keep debris away from these components.
- Y___ N___ The lighting package shall include a cylinder supplemental light (two front), positioned from the hood opening to the top of the cylinders. The hood openings shall be covered with plates to minimize the amount of debris entering this area.
- Y___ N___ Striker bars shall be available to minimize the amount of debris striking or damaging the machine. The Front shall be angled design to keep debris from riding up the track and damaging the fenders, fuel or hydraulic tanks. The Rear shall be rigid mounted to the drawbar.
- Y___ N___ The machine shall have a belly guard that can be electrically raised or lowered.
- Y___ N___ Laminated thermal shields shall cover the exhaust stack inside the compartment, hot-side of the turbocharger, and the exhaust manifold.

SERVICEABILITY

- Y___ N___ Engine oil change interval shall be no less than 500 hours.
- Y___ N___ A diagnostic test bank shall be included for ease of service.
- Y___ N___ Final drives shall have a minimum 1,000 hour oil change period.
- Y___ N___ The transmission shall have a minimum 1,000 hour oil change period.
- Y___ N___ The engine shall be mounted so as to be accessible for adjustment and normal servicing without being detached from the tractor unit.
- Y___ N___ Final drives shall be of a modular design for easy service, and shall allow for removal by only breaking track.
- Y___ N___ Undercarriage shall have sealed and lubricated track.

MINIMUM SERVICE FILL CAPACITIES

- Y___ N___ Fuel tank capacity shall not be less than 109 gal (415 L).
- Y___ N___ Cooling system capacity shall not be less than 9.8 gal (37 L).
- Y___ N___ Each final drive shall have a capacity of not less than 6.3 gal (24 L)
- Y___ N___ Hydraulic tank capacity shall not be less than 14.5 gal (55 L)

ADDITIONAL FEATURES

- Y___ N___ Machine shall be equipped with a monitor device which can send location, SMR, operational status, gauge level, abnormality codes, cautions, maintenance information, and have security and theft control set through wireless technology.
- Y___ N___ Monitor shall feature self-diagnostic function to aid in troubleshooting and reduce downtime
- Y___ N___ Ripper and winch shall be optional.
- Y___ N___ A trapezoidal track shoe shall be available to reduce refuse packaging within the track and shall also reduce track chain tightening and accelerated pin and bushing wear. Trapezoidal holes shall minimize packing by allowing the sprocket to punch out dirt and debris.

Bid specs are intended for use by North American buyers only and are subject to change.