

SVL97-2



SVL97-2 Compact Track Loader

Sales Features

- Kubota designed, engineered and manufactured
- Kubota Diesel 96.4 hp (71.9 KW) @2400 rpm, max torque of 256 ft-lb (347 N m) @ 1500 rpm with DOC, DPF, and SCR Tier 4 Final Certified
- Vertical lift loader frame
- Front loader frame cross member is very low to allow visibility to bucket corners
- Electronic Travel Torque Management system, provides engine-anti stall and maximum power where & when you need it
- Hydraulic quick coupler standard
- Loader arm is one-way self-leveling
- Load sensing hydraulic system
- 2 HST variable displacement pumps, 1 variable piston pump, and 1 pilot gear pump
- 11299 lbs (5125 Kg) operating weight
- 128.5" (3264 mm)hinge pin height
- 40.7" (1035 mm) Reach at full dump
- 3200 lb ROC @35% of tipping
- Very well balanced machine
- 7065 lbf (31 KN) Bucket breakout force
- 5869 lbs (2662 Kg) Lifting capacity
- 12178 lbf (5524 Kgf) Traction force
- Air-conditioned and pressurized cab standard and Radio-Ready
- ISO joy stick control pattern
- Hydraulic pilot controls
- Closed Center Hydraulics with parallel loader control valve for Multiple & simultaneous hydraulic circuit operation
- Standard Hi-flow auxiliary hydraulics are bi-directional and proportional
- Rearview Camera and Telematics Std.

Sales Features (cont'd)

- High Flow has 5 different flow presets available to better match hydraulic attachment
 - Multi-function handles standard
 - Cushioned loader cylinders
 - Large capacity oil cooler
 - Hydraulic connectors have a line pressure relief valve, allowing hoses to be connected & dis-connected with engine running.
 - Straight-travel circuit with shuttle valve
 - Control panel with gauges and indicator lights
 - Suspension seat standard and Air-Ride seat optional
 - Wide & spacious cab
 - Dial type & foot throttle control
 - Easy opening engine door for ground level serviceability
 - All grease fittings recessed and can be reached from ground level
 - Dual element air cleaner
 - Fuel / water separator
 - Self-bleed fuel system
 - Tool and grease gun storage
 - Float function in loader frame
 - Protected bucket cylinders
 - Tilt & Slide radiator & oil cooler
 - Great front, side & rear visibility
- ### Track System
- Two travel speeds
 - Double reduction planetary final drives
 - Drive motors can be serviced from the outside of the machine
 - Undercarriage frame is an integral part of machine frame
 - Rubber track 17.7" (450 mm) standard
 - Grease tension track adjustment
 - 30° angle shaped track frame with large clean out opening
 - Five triple-flange bottom rollers per side; lifetime sealed & lubricated

Safety Equipment

- Retractable seat belt
- 2 Gate Arms as secondary Operator Restraint
- Grab handles for entry & exit
- Non-slip entry & exit surfaces
- Control lever safety locks
- Electric key shutoff
- Automatic parking brake spring applied & pressure released
- Operator Presence Switch
- HD Tie downs on 4 corners

Buckets & Attachments

- Quick coupler: hydraulic standard
- Buckets: Heavy Duty bucket: 80" inch wide; teeth or straight bolt-on edge, short or long floor, low or high profile, and high capacity
- Snow Blower, Snow Pusher & Snow Blade
- Rock Buckets
- 4-in-1 Combo Buckets
- Scrap, Claw, Rock, Root, & Manure Grapples
- Pallet forks 4500 – 5500 lbs (2041 -2495 Kg) capacity
- Auger Drives
- Auger Bits
- Angle Brooms
- Rotary Cutters
- Skid Graders
- Power-Rakes
- Stump Grinder
- Rotary Tillers
- Skid Steer Hitch



BID SPECIFICATION	
SVL97-2 COMPACT TRACK LOADER	
KEY SPECIFICATIONS	
Operating Weight	11574 lbs (5250 Kg) with Enclosed Cab & AC
Engine Horsepower (SAE J1995 gross)	96.4 hp (71.9 KW)
Lift arm cylinder break out force	5181 lbf (23 KN)
Bucket breakout force	7065 lbf (31 KN)
Reach at full lift and dump	40.7" (1035 mm)
Hinge pin height at max lift	128.5" (3264 mm)
Length X Width X Height	123.5" X 77.2" X 83.3" (3137 x 1962 x 2116 mm) (length is without bucket)
Tipping Load	9143 lbs (4147 Kg)
Rated Operating Capacity @ 35% of Tipping Load	3200 lbs (1451 Kg)
Rated Operating Capacity @ 50% of Tipping Load	4572 lbs (2073.5 Kg)
ENGINE	
Engine make & model & EPA rating	KUBOTA, Model V3800 CR-TEIF, Certified Tier 4 Final
Horsepower Output (SAE J1995 gross)	96.4 hp (71.9 KW) @ 2400 rpm
Horsepower Output (SAE J1349 net)	87.0 hp (64 KW) @ 2400 rpm
Fuel Consumption at 100% Load (estimated)	5.060 gal/hr (19.15 L/hr)
Fuel Consumption at 75% Load (estimated)	3.795 gal/hr (14.37 L/hr)
Peak torque (lb-ft (Nm) @ rpm)	256 (347) @ 1500 rpm
Number of cylinders	4
Displacement	230 cu-in (3769 cc)
Fuel Consumption 75/100% Load	3.8/5.1 gal/h (14.4/19.2 L/h)
Engine Anti Stall function	Electronic Travel Torque Management – engine stays @ 1500 rpm @ full load
Under hood muffler with DOC and DPF	Standard equipment (spark arresting muffler is not required with DPF)
Dual element cyclonic type air cleaner w/ dust cup	Standard equipment
Fuel / water separator	Standard equipment
Self-bleed fuel system	Standard equipment
Sound level @ Operator Ear	83 dbA Enclosed Cab w/AC
OPERATING AREA	
Cab size and entry	35" (889 mm) wide door opening, easy access, 39" (991 mm) between the shoulders ROPS: meets OSHA-1926 – 1001 and ISO 3471 - 2008 FOPS: meets OSHA-1926 – 1003 and ISO 3449 - 2005
Suspension seat	Standard equipment – high back seat, for/aft & height adjustable.
Loader / Bucket Controls	Right hand joy stick control, ISO pattern, contains: Float-function, proportional and directional auxiliary oil flow and two buttons to stop/start hyd oil flow.
Directional Control	Left hand joy stick control, ISO pattern, contains: 2 nd speed switch, horn button, and two buttons to feed electrical power to attachment.
Engine throttle control	One foot and one dial type throttle knob for engine RPM control. Foot throttle is spring loaded and dial type throttle knob stays in chosen position.
Track control	Standard straight travel is assured with the "Shuttle Valve System"; adding to machine stability. Particularly needed when hooking up an attachment
Auxiliary hydraulic controls	Hi-Flow has five available flow settings on the instrument panel on the right side. Factory preset at 23 gpm and 40 gpm.
Control panel	Advanced features provide information that eases operation and maintenance. Integrates controllers with easy to read, backlit gauges and indicator lights. Includes visible and audible alarms and low-fuel alarm.

BID SPECIFICATION	
SVL97-2 COMPACT TRACK LOADER (Cont.)	
OPERATING AREA (Cont.)	
Engine controls	Required preheat period is automatically controlled according to the engine coolant temperature. Engine speed control by dial type electronic throttle control on instrument panel on the right side.
LOADER PERFORMANCE	
Lift arm path	Vertical
Tipping load	9143 lbs (4147 Kg)
Rated Operating Load @ 35% of Tipping Load	3200 lbs (1451 Kg)
Rated Operating Load @ 50% of Tipping Load	4572 lbs (2073.5 Kg) (note: 50% rule applies only to wheel loaders, or can only be used for CTLs when working on flat, horizontal, asphalt or concrete surfaces)
Loader Arm breakout force	5181 lbf (23 KN)
Bucket breakout force	7065 lbf (31 KN)
Hinge pin height at max lift	128.5" (3264 mm)
Reach at max lift and dump	40.7" (1035 mm)
Clearance at max lift and dump	97.3" (2471 mm)
Maximum dump angle	43°
Maximum rollback angle on ground	27°
Self-leveling bucket at raise	Standard
HYDRAULIC SYSTEM	
Hydraulic pumps	2 ea. Variable Displacement Piston type HST Pumps. Brand: Sauer-Danfoss-Daikin for Kubota V3800 engines only, rated @ 47.0 cc/rev – 2.9 cu-in/rev, with 32.5 MPa / 4710 psi relief setting, 1 ea. Variable Displacement Piston pump. for lift, tilt, and auxiliaries with built-in Pilot Pump; Brand: Kawasaki, rated @ 65 cc/rev for both standard & high flow models.
Loader total flow capacity	40 gpm (152 L/min)
Loader relief valve setting	3553 psi (249.8 kgf/cm ²)
Auxiliary hydraulics	23.1 gpm (87.6 L/min)
Auxiliary hydraulics Hi-Flow	40 gpm (152 L/min)
Auxiliary relief setting	3553 psi (249.8 kgf/cm ²)
High Flow Hydraulic System with 5 Flow Settings	Standard equipment
Hydraulic oil cooler	Standard equipment
Simultaneous arm and bucket operation	Standard equipment
Simultaneous travel and loader circuits	Standard equipment
Cushioned loader cylinder and circuit	Standard equipment
DRIVE SYSTEM	
Track type	Rubber Track, steel-embedded forged inserts, woven wire structure
Travel speed (2-speed is standard)	8 Km/h (5.0 mph) Low and 11.7 Km/h (7.3 mph) High
Drive motor type	Two speed axial piston with hydraulic brake
Type of reduction	Two stage planetary final drives
Traction force	12178 lbf (5524 Kgf)
Gradability	58% / 30° Climbing Angle
Track width	17.7" (450 mm)
Ground pressure	4.4 psi
Length of track on ground	65.6"
Grease adjusted track tensioner	Standard equipment

BID SPECIFICATION	
SVL97-2 COMPACT TRACK LOADER (Cont.)	
DRIVE SYSTEM (Cont.)	
Front & rear idler	Front idler is double flange, rear idler is single
Triple flange track rollers	5 rollers per side, (rollers & idlers are lifetime sealed & lubricated)
Ground Clearance	11.5" (293 mm)
DIMENSIONS	
Length (w/o bucket)	123.5" (3137 mm)
Width (w/o bucket)	77.2" (1962mm)
Height to top of cab	83.3" (2116 mm)
Ground pressure	4.4 psi
Length of track on ground	65.6" (1667 mm)
Track Gauge	59.5" (1512 mm)
COOLANT AND LUBRICANT CAPACITIES	
Fuel reservoir	28.8 gal (109 L)
Diesel Exhaust Fluid	5.0 gal (18.8 L)
Coolant	3.7 gal (14 L)
Engine oil	2.9 gal (11L)
Hydraulic reservoir	10.1 gal (38.1 L)
Hydraulic system	18.0 gal (68 L)
Final Drive	0.4 gal (1.5 L)
FILTERS	
	Engine oil, spin on type
	Fuel filter, in line and spin on type
	Cyclonic air filter, dual element (primary & secondary)
	Fuel / water separator and fuel tank clean out port
	Hydraulic filters: in-tank strainer & suction screen with high pressure filter and pilot system return filter.
ELECTRICAL	
Engine alternator	12 VDC, 115 amp
Battery	12 VDC, 85.3 AH (@ 5 HR), 900 CCA
Horn	Standard equipment
Work lights	Standard equipment – 2 front & 2 rear
Instrumentation	Battery charging warning light Coolant temperature gauge DPF Regen indicator light DEF Gauge & Status Lights Engine oil pressure warning light Fuel level gauge and low fuel warning light Fuel/Water separator Hi-Level indicator light Hour meter Pre-heat control light Bucket Float indicator light 2 nd speed indicator light Parking brake light & buzzer Auxiliary hydraulics engaged light High Flow pre-set position indicator light (if equipped)



BID SPECIFICATION	
SVL97-2 COMPACT TRACK LOADER (Cont.)	
OEM BUCKETS / PALLET FORKS	
	8 Bucket styles to choose from all are 80" (2032 mm) wide; one Scrap Grapple is 76" (1930 mm) wide.
	Long/short floor, low/high profile, BoE / tooth-, and Grapple- and 4-N-1 buckets
	Side Cutters are standard on tooth-buckets and on straight-edge buckets
	Pallet Forks with 48" (1219 mm) and 60" (1524 mm) tines
SAFETY EQUIPMENT	
Rollover Protective Structure (ROPS)	Meets OSHA 1926.1001 - ISO 3471 2008
Falling Object Protective Structure (FOPS)	Meets OSHA 1926.1003 - ISO 3449 2005
Grab handles for entry & exit	Standard equipment
Joystick and travel control lever lockout	Standard equipment
Engine – Anti Stall Device by ETTM system	Standard equipment
Non-slip surfaces for Cab/ROPS entry & exit	Standard equipment
Retractable seat belt	Standard equipment
Operator Presence Control	Standard equipment
Parking brake	Standard equipment
Auxiliary hydraulics on / off switch	Standard equipment
Covered control switch for Hyd quick coupler	Standard equipment
Tilt Cab hold bracket	Standard equipment
Loader Lock-out bracket	Standard equipment
Back Up Travel alarm	Standard equipment
MANUALS	
	Operator's instruction manual
	Illustrated parts list
	Work shop manual (maintenance)
WARRANTY	
Basic warranty	24 months or 2000 hours (whichever occurs first)
Rubber track warranty	12 months / 1000 hours (between 600 and 1000 hours parts only)
OPTIONS	
	Air Ride seat, with built-in air compressor, height control and shock absorber
	8 Pin-14 Pin or 14-pin to 14-pin Adapter Harnesses
	14-PIN Connector
	SVL Mirror Kit
	Rear Door Lock Kit
	Radiator Screen Kit
	Radio OR Radio w/Bluetooth
	Auxiliary Oil Cooler
	Special Application Cab Polycarbonate Door (Both; Roll-Up- and Swing Door)
	3" Wide Seat Belt
	Red Tail Lights
	Orange Rotating Beacon or Strobe
	Forestry Guarding
	French Labels
	CELLUTRAK GPS System