

Gradall Bid

Please note that the Town of Unadilla invites bids for the purchase of a 2012 Gradall XL3100 Excavator Specifications

Undercarriage: 2x4. Wheelbase – 156". Width – 102". Frame – 48", Welded plate design, 50 ksi material. Gross vehicle axle weight – 39,000 lbs. Rear axle – Meritor Model RS23-160 23,000 lbs. 7.17 ratio. Single reduction with driver controlled differential lock. Suspension – front – 8 leaf spring with automatic lock-out cylinders. Rear-solid mount. Brakes – 4x4 front – Meritor "Q" series cam-master. Size – 16.5 x 6. Automatic slack adjusters. Rear-meritor "P" series cam-master. Size 16.5 x 7. Automatic slack adjusters. Spring brake system incorporates emergency and parking brakes on the rear axle. Wheels – 4x4 standard: Disc 10 stud, 1125 bolt circle. Steering-Ross integral hydraulic power steering. Gear type power steering pump. 4-quart power steering reservoir with filter. Standard chassis equipment – halogen headlights, tail lights, back-up lights and alarm, stop lights, identification lights (front and rear), directional lights, 4-way hazard lights, and instrument panel lights. Windshield washer/wiper, wheel wrenches. West coast style mirror system with plane and convex mirrors, front tow hooks, desiccant type air dryer with automatic purge valve and thermostatically controlled heater.

Hydraulic System – Pumps – 2 load-sensing axial piston pumps: 0-65 GPM total. System specifications – four double acting cylinders – 2 boom hoist, 1 tool cylinder, 1 telescoping cylinder. Four hydraulic motors – swing 45 HP, tilt 18 HP, two remote drive 65 HP.

Chassis Cab – One-man cab. Left hand mount, isolated from frame on rubber mounts. Gauges for oil pressure, coolant temperature, air tank pressures, fuel level, voltmeter, speedometer with odometer, tachometer with hour meter, engine monitor lights with diagnostic switches. Engine shutdown controlled by engine electronics. Indicator lights and controls for front axle engagement and rear axle differential lock. Park brake control. Tinted safety glass. Sliding side windows. Fresh air heater and defroster. Dome light. Air suspension seat with seat belt.

Upperstructure Cab: All weather cab isolated from frame on rubber mounts. Tinted safety windows, four way adjustable operators seat, dome light, filtered fresh air heater and defroster. The heat source is provided by a fast response, closed circuit hydraulic heater with 20,000 BTU/hour capacity. Front window slides to overhead storage.

Hydraulic Remote Control: Undercarriage powered by upperstructure hydraulics through hydraulic motors and PTO's on transmission. Travel and steering pedals in upperstructure cab. Digging brakes and front axle lockout cylinders set automatically with travel pedal in neutral. Parking brakes controlled by toggle. Electronically operated alarms mounted on undercarriage signal remote control movement in either direction, reverse movement when driven from undercarriage cab.

Engine: Mercedes OM906 diesel 4 cycle inline, 6 cylinder liquid cooled turbo/charge air aftercooled automotive certified EPA/carb regulations. Electronic controlled vertical canister style lube filter attached to engine. Remote mount primary fuel/water separator gross rating 180HP @ 2300 RPM 520 lb torque @ 1200 RPM net rating 173 HP @ 2300 RPM.

Upperstructure Controls: Two hydraulic joysticks, one rocker switch. Hydraulic joysticks are mounted on adjustable arm pods. Two foot pedals for remote control of undercarriage steering, travel, and digging brakes. Engine controls – key ignition switch with neutral start and warning lights for low air, engine maintenance, hydraulic filter condition and hydraulic fluid temperature and level.

Swing: Priority circuit with axial piston motor. Planetary transmission. Swing speed 8 RPM. Swing brake – Automatic spring-set/hydraulic release wet disc parking brake. Dynamic braking is provided by hydraulic system.

Attachments: One 60” ditch bucket and one digging bucket with teeth.

Bids must be in the possession of the Unadilla Town Clerk, 1648 State Hwy 7, Unadilla, NY 13849 by 6:00PM February 14, 2023. Bids opened and awarded at the February 14, 2023 Town of Unadilla board meeting. The town reserves the right to reject any and all bids.

By order of the

Town of Unadilla
Terry L Yoder
Town Clerk
Dated: 1/6/2023