

BID REQUEST

One new or slightly used (less than 450 hours) average 8.8 tons, compact radius excavator with a minimum weight of 19,860 lbs but no more than 22,000 lbs as specified. Any deviation from the specifications shall be explained on a separate form titled "Deviation from Specifications". The City of Dillon reserves the right to accept or reject any or all bids that they determine to be in the best interest of the City of Dillon.

Required Specifications:

Engine:

- Engine shall be tier 4f compliant turbocharged four cylinder, air to air intercooler and water cooled diesel engine
- Net HP at 2,000 rpm be at least 55
- 160 CID minimum
- Auto Idling

Hydraulics:

- Shall be closed center load sensing with load independent functions
- Main pump must be variable displacement pump with 45 GPM maximum flow
- Pilot pump must be a gear pump with 4 GPM maximum flow
- Pilot control pattern changer for ISO or SAE patterns
- Single and double acting hydraulics

Swing:

- Direct drive swing with radial piston maintenance free motor, no reduction gear and automatic holding brake anti-rebound valve
- Maximum swing speed to be no less than 9 rpm
- Maximum swing torque to be no less than 16,500 foot-lbs

Electrical:

- 12 volt negative ground system
- Front halogen work lights
- Rear work light
- Master electric disconnect switch

Cab:

- Heater and Air Conditioner
- Pilot Controls
- Rear View Mirror
- Analog Hour Meter
- Radio With MP3/AUX
- Sun Screen Front and Roof
- Travel Alarm
- Sound Level in Cab per ISO 6396 to be no more than 73 DBA
- External Sound Level per ISO 6396 to be more than 97 DBA
- Fabric Suspension Seat

Boom/Stick:

- 11-ft, 8-inch or Greater Boom
- 5-ft, 7-inch or Greater Stick
- Hydraulic Thumb
- QC Lines
- Hydraulic Pin Grabber Quick Coupler
- Stick Breakout Force per SAE J1179 of 8,740 lbs
- Stick Breakout Force per ISO 6015 of 8,950 lbs
- Minimum Lifting Capacity at 9.9-ft out and 9.9-ft up – 8,040 per lifting chart on manufacturers brochure specs

Undercarriage:

- 18-inch Steel Tracks
- Robust X-Shaped Frame
- Minimum 5 Bottom Rollers per Side/1 Top Roller per Side
- Drawbar Pull – 14,500 lbs or greater
- Gradeability – 35 degrees
- Travel Speed – 1.6 mpg Low; 3.0 mph High
- Travel Alarm
- Hydraulic Dozer Blade with Float
- Maximum Counterweight Provided by Manufacturer

Capacities:

- Fuel Tank – 29 Gallons or greater
- Total Hydraulic System – 37 Gallons or greater
- Hydraulic Tank – 22 Gallons or greater
- Coolant – 2.5 Gallons or greater

Bucket:

- 30-inch 16,230 Cubic Inches in Capacity with pins
- Break out Force per SAE J1179 – 11,400 lbs
- Break out Force per ISO 6015 – 12,860 lbs
- Additional Werk-brau Ditch-Cleaning Flat Bucket with Bolt-on Cutting Edge and with pins. Minimum Width-60 inches or greater and Minimum Volume-19.5 cubic feet

Digging Specs:

- Max Reach – 22-ft, 10-inches or greater
- Max Digging Depth – 13-ft, 7-inches or greater
- Max Vertical Wall Digging Depth – 9-ft, 3-inches or greater

Warranty:

- Lifetime Guarantee for Frame – Provide Items That Are Covered
- Minimum One Year or 1,500 hours Total Machine Warranty Including TT&M for all Warrantable Items