

A D D E N D U M #1
GENERAL BID SPECIFICATIONS

4-WHEEL DRIVE TRACTOR

GENERAL

The tractor must be new and current production model. Manufacturer supply a minimum 24 months Basic Warranty Full Coverage with a 2000 hour maximum.

SAFETY AND SECURITY

Tractor to be equipped with a seat belt that meets SAE J1194 and OSHA 1928.52 specifications. Tractor to be equipped with Slow Moving Vehicle Emblem, neutral start safety switch, operator presence switch and must be equipped to meet the latest federal safety standards.

WHEELBASE AND WEIGHT

The tractors minimum wheelbase shall be 91.8 inches. The tractors minimum overall unballasted weight shall not be less than 8333 lbs.

ENGINE

Tractor shall have a Four cylinder, parent bore block, turbocharged and intercooled engine with fixed cooling fan. Bosch mechanical injection fuel pump. Tier III Emissions certified. Minimum of 80 PTO Horsepower rated at 2500 RPM engine speed. Engine displacement minimum of 274 Cu. In. Engine air filter shall be Dual Element dry type with serviceable outer element and replaceable inner element. Standard diesel fuel with Manufacturer approval for bio- biodiesel blends up to 100%. Electric grid heater cold start aid.

TRANSMISSION

A 12 x 12 Mechanical Shuttle providing 4 synchronized speeds in 3 constant mesh ranges. Forward and reverse minimum speed shall 18.5 mph.

POWER TAKE OFF (PTO)

The tractor shall have an independent 540 rpm system ,mechanical engagement and a flip up safety shield on the PTO.

4WD FRONT AXLE

Heavy duty with 8 bolt hub. Minimum track setting of 61 inches and maximum track setting of 78 inches. The front axle shall have a minimum unrestricted load capacity of 6614 lbs. Shall have hydrostatic power steering with 9.5 gpm dedicated pump.

BRAKES

Hydraulically operated, oil immersed disc brakes with 4 plates per side. Must be able to operate each side independently or locked together for simultaneous operation. Hand controlled parking brake (lever) mechanically connected to the tractor service brakes.

HYDRAULIC SYSTEM

Open center fixed displacement gear pump system rated at 16.1 gpm flow for remotes or 3 point hitch. Total hydraulic flow (power steering and hydraulic pump) shall be 25.6 gpm at rated engine speed. One replaceable hydraulic filter with change interval of 300 hours. One lever controlled open center remote valve.

3-POINT HITCH

Category II 3-point with flex link ends. Mechanical draft control and lower link draft sensing. Minimum lift capacity at 24" behind lift link ends is to be no less than 5,025 lbs. Swinging Drawbar

ELECTRICAL SYSTEM

Minimum required is 12 volt system; 120 Amp alternator, 800CCA, 120AH battery. Safety start switch and key fuel cutoff. Individual electrical circuit fuses and relays. All fuses are common automotive type.

INSTRUMENTATION

Analog Instrumentation with warning lights for air cleaner service, alternator, oil pressure, fuel sediment/water sensor, PTO engagement, headlight high beam on and parking brake. The tractor shall also have gauges for fuel level and engine temperature and come equipped with a tachometer, hour meter and horn.

OPERATOR STATION - CAB

Spacious , flat deck, isolation mounted cab with heater and air condition with 3-speed fan. Right hand transmission controls, Left hand shuttle, tilt steering wheel, two entry doors with locks, tinted glass. Hinged side and rear windows. Front wiper and washer, interior dome light, horn and one interior mirror.

Seat shall be high back, cloth covered with mechanical suspension and armrest. operator presence switch and retractable seat belt. Fore/aft adjustment. Minimum requirement of two halogen front headlights, Four cab mounted work lights, two in front and two in the back. Two tail lights, turn signals - fender mounted, front and rear flashing safety lights.

TIRES AND WEIGHTS

Front tires shall be 12.4R24(RiW) and rear tires shall be 18.4R30(R1W)