

SPECIFICATIONS

Kubota Tractor Parks and Recreation

CITY OF PANAMA CITY BEACH, FLORIDA

January 24, 2018

NOTICE TO RECEIVE SEALED BIDS

Kubota Tractor B2650HSDC 4WD

January 24, 2018

The City of Panama City Beach hereby solicits sealed bids for a Kubota Tractor.

Sealed bids must be received by February 7th at 10 AM at the City of Panama City Beach City Hall Annex 110 S Arnold Road Panama City Beach, Florida 32413 and will be opened and publicly read immediately thereafter. All Bids shall be submitted in an envelope clearly marked "Sealed Bid- Panama City Beach –Kubota Tractor."

Copies of the specifications may be obtained from the Parks & Recreation Office at Frank Brown Park or on the City's website www.pcbgov.com. The point of contact for obtaining specifications is Cheryl Joyner, email address cjoyner@pcbgov.com. No specifications will be issued to suppliers later than seventy-two (72) hours prior to the time indicated above for receiving bids.

Bids must be submitted upon the standard form contained in the Specifications.

The City reserves the right to reject any and all bids and to waive any informality in bids received. All bidders shall comply with all applicable state and local laws concerning licensing, registration, and regulations of businesses in the state of Florida.

All Bids shall be firm for a period of 60 days after opening.

BID PROPOSAL FORM

TO: City of Panama City Beach, Florida

SUBMITTED: _____, 2018.

Kubota Tractor B2650HSDC 4WD

The Undersigned, as Bidder, hereby declares that they have examined the bid specifications and informed themselves fully in regard to all conditions pertaining to the proposal submitted.

The Bidder proposes and agrees, if this proposal is accepted, to provide the listed chemical to the **City of Panama City Beach** for the proposed amount, in full and complete accordance with the shown, noted, described and reasonably intended requirements of the specifications to the full and entire satisfaction of the City of Panama City Beach, Florida.

BID AMOUNT: _____

BY: _____

TITLE: _____

ADDRESS: _____ **CITY:** _____ **STATE:** _____

ZIP: _____

EMAIL ADDRESS: _____

PHONE: _____

SIGNATURE – (Confirming all information above is correct)

Kubota Tractor

City of Panama City Beach, Florida

PART 1 –SPECIFICATIONS

- Kubota 2650HSDC 4WD, Air-Conditioned, Cab Tractor
- Diesel Engine
- > 25.5 HP
- Hydrostatic Transmission
- R4 "Industrial" tires
- Kubota Front Loader LA434A with quick attach/disconnect bucket (minimum 54")
- Grill Guard
- Quick attach pallet forks appropriately sized for 2650HSDC model
- Category 1, 3 point hitch type trailer mover with 2" Reese Receiver and a 2" Pintle Hitch installed
- All bids shall include delivery and any necessary instructions on the use of the products
- Additional model specs attached

Kubota®

B SERIES COMPACT TRACTORS



B2650HSDC

SALES FEATURES:

- Liquid cooled E-TVCS Emissions-Three Vortex Combustion System engine
- Meets Tier IV emissions regulations
- LCD Digital display panel keeps the operator informed
- ROPS Certified Factory Installed Cab
- 4-pillar design cab with rounded glass offers more space and panoramic views of the surroundings
- Virtually dust tight cab due to its integral design
- Hydrostatic transmission is standard with 3-Range design (low/medium/high) provides optimum power output to travel speed ratios to maximize performance
- Multi-stage notch-type cruise control
- Large dual pump hydraulic capacity enables smooth and efficient power steering and loader work operation
- Hydraulic independent PTO lets you engage and disengage both mid and rear PTO without stopping
- Mid PTO is standard
- Air conditioner and heater are standard for year-round environmental comfort
- Easy step tilt steering wheel
- Adjustable deluxe height back seat with parallel link suspension and armrests are standard
- 12V socket next to the steering wheel for cell phone charging has a convenient storage compartment located above the steering wheel makes for quick access
- Cab is radio ready, speakers are standard and cab is pre-wired for easy radio installation
- All new one piece hood, front grille and newly designed headlamp integration provides easier opening and closing that focuses on convenient engine access for easier maintenance
- Rear window latch provides vent feature for fresh air ventilation
- Left side mounted hanging brake pedals provide simultaneous operation with the HST Pedal and ease of operation
- Loader valve with joystick loader control lever is integrated in the control console as standard equipment
- Category I 3-point hitch
- Telescoping stabilizers are standard
- 3-point hitch extendable lower link ends, standard

SALES FEATURES (Cont.)

- Ratchet type right link for easy hitch leveling, standard
- Hydrostatic power steering
- Fuel tank filler port has been shifted from the center of the hood to the right side for easier refilling
- Washer fluid tank has been moved to the outside of the cab to make checking the fluid and refilling much easier
- Rear defogger and rear wiper are standard
- 60 Amp high capacity alternator is standard
- Drawbar is standard
- Front work lights are standard
- Cabin interior light is standard
- Convenient hooks for hanging personal items are located throughout cab

SAFETY EQUIPMENT:

- ROPS Certified Factory Cab with retractable seat belt
- Safety start switches
- Electric key shut off
- Operator presence control (OPC)
- Parking brakes
- Head lights / Tail lights
- Hazard lights with Turn signals
- SMV sign

TRACTOR ACCESSORIES:

- Front bumper weights
- Block heater
- Rear wheel spacer kit (for tire chain use)
- 3rd function control valve kit for loader attachments

CAB OPTIONS:

- Rear work light kit
- AM/FM radio w/ 7-Channel Weather Band and Aux Input
- AM/FM/CD/MP3 player w/Aux Input and 7 Channel Weatherband radio
- Side window defogger kit



B2650HSDC BID SPECIFICATIONS

BID SPECIFICATIONS	
B2650HSDC COMPACT CAB TRACTOR	
B2650HSDC = Hydrostatic 4wd Cab Model	
ENGINE	
Make and Model	Kubota-D1305-E4-D26-Q
Type	ETVCS (Emissions-Three Vortex Combustion System) Indirect Injection meets Tier IV EPA Emission Regulations, 3 Cylinder, Vertical, water-cooled 4 cycle diesel engine
Engine HP, gross*	26 HP @ 2500 RPM
Engine HP, net*	23.3 HP @ 2500 RPM
Engine HP, PTO*	19.5 HP @ 2500 RPM
Maximum torque	72.7 ft. lb. @ 1600 RPM
Bore and Stroke	3.1 In. x 3.1 In.
Displacement	77 cu. In.
Fuel per hour	1.4 gph. @ max PTO (Calculated, actual may vary)
Cylinder	Parent Bore
Air Cleaner Element	Dry Paper/Dual Element, 4" Diameter
Cold Weather Start Aid	Glow Plugs
Lubrication	Forced Lubrication by Trochoidal Pump
Governor	Mechanical
Injection pump	Bosch type MD
Fuel filter system	Replaceable cartridge type fuel filter
Oil filter	Sheet net and replaceable treated paper element, Spin On
Exhaust	Underhood muffler and exhaust pipe is located on the lower left side, forward exhaust
Engine Compartment	Fully enclosed and screened engine compartment with easy access hood
Fuel Shutoff	Electric activated engine stop mechanism
Throttle	Hand operated throttle
COOLING SYSTEM	
Radiator	Water with pressurized radiator
Water pump	Centrifugal
CAPACITIES	
Fuel Tank	7.4 gal.
Cooling System	4.5 qt.
Engine Oil	4.2 qt.
Transmission	4.0 gal
Front Axle Case	5.0 qt.
Washer fluid (windows)	1.4 Qts.
AXLE LOAD RATINGS (Maximum)	
Front Axle	2205 lb with 38.6 in. tread
Rear Axle	2205 lb with 41.3 in. tread
PTO	
PTO Clutch Type	Live Independent Hydraulic PTO
	540 RPM @ 2500 Eng. RPM SAE 1-3/8 6 splines
Mid PTO	2500 RPM @ 2500 Eng. RPM - No. 5 10-tooth involute spline
	Independent of rear, or simultaneous with Rear PTO
DRIVE TRAIN	
Transmission	Hydrostatic Drive with 3 Range Transmission (Low/Med/High)
Engine to HST	Direct Drive Coupler/Dampener (No dry clutch or pressure plate)
Control Type	Mechanical Feed Back Linkage to HST pedal
Speeds	Infinitely variable in each of the three ranges
Differential Lock	Standard Rear Wheels
Final Drive Type	Spur Gear
Brakes	Multiple wet disc type, mechanically activated
	Operated by two-foot pedals on left side of platform, which can be locked together

*Manufacture's Estimate

Specifications subject to change without notice.
May 23, 2013

Compact Tractors

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B2650HSDC BID SPECIFICATIONS

BID SPECIFICATIONS	
B2650HSDC CAB TRACTOR (Cont.)	
AXLES	
Front - Rear Axle	4 Wheel Drive (non adjustable)
Front Axle Type	Bevel gear cast iron, single piece front axle with offset differential with fixed tread spacing
Drive shaft	In line, enclosed driveshaft
Steering	Hydrostatic Power Steering
Input Shaft Type	Fully enclosed power transfer from rear to front axle
Front Axle Ratio	1.672
HYDRAULIC SYSTEM	
Type	Open Center Tandem Pump Gear Type
Total Pump Output	8.7 gpm
Remote Output	5.0 gpm @ 2403 psi
Power Steering	3.7 gpm @ 2500 RPM
No. of Remote	Optional up to two remotes
Spin-On Hyd. Filters	HST Filter
THREE POINT HITCH	
3-Point Hitch	Category I
Control method	Position Control
Draft Control	N/A
Lift Arms	Telescoping Lower Link Ends
Right link adjustment	Turn Buckle
Lift Capacity @ Lift Points	2139 lb @ lift points
24" Behind Lift Points	1676 lb
DRAWBAR	
Tongue weight	1100 lb
ELECTRICAL	
System	12 volt electrical system
Battery	12 volt battery 430 CCA
Alternator	60amp
Engine Shutoff	Electric Key Shutoff
Cold temperature starting aid	Glow plugs
Indicator Lights	Two head lights/Fender mounted 4-way flashers/Front work lights
Lights	Tail Lights
INSTRUMENTATION	
LCD Display	Fuel Gauge, Temperature Gauge, Hour Meter, Speedometer and PTO Engagement Indicator
Dash Panel	Indicator lights for: Battery Charge, Coolant Level, Turn Signals/Flashers, Master Warning Indicator
Indicator Lights	Parking Brakes, Engine Oil Pressure, Engine Overheat, Glow Plug
Switches	Front work light, Rear work light (optional), Defogger, Front/Rear wiper, Hazard lights, LCD toggle switch for (Engine RPM/PTO and Mid PTO Speed)
SAFETY EQUIPMENT	
CAB	Certified ROPS Cab with retractable seat belt
Switches	2 Safety start switches (HST Pedal - PTO Lever)
Parking	Parking brakes
Paint	High visibility paint
Lights	Head lights and tail lights with Safety flashers and turn signals
Warning Devices	Horn and SMV (Slow Moving Vehicle Sign)



B2650HSDC BID SPECIFICATIONS

BID SPECIFICATIONS	
B2650HSDC CAB TRACTOR (Cont.)	
DIMENSION	
Height to top of Cab (w/Std Tires)	84.6 in.
Overall Length	114.2 in. w/ 3pt. 103.9 in. w/o 3pt.
Overall Width	53.7 in.
Wheelbase	65.6 in.
Crop Clearance	14.6 in. Min. Ground Clearance 14.6 in.
Drawbar height to top	17.25 in.
Tread Width AG Tires	Front 7-12 (36.8 in.) ~ Rear 12.4-16 (41.3 in.)
Center to Center Turf	Front 24x8.50-14 (36.6 in.) ~ Rear 13.6-16 (41.3 in.)
Industrial	Front 23x8.50R14 (35.6 in.) ~ Rear 12.4-16R4 (41.3 in.)
Turning Radius w/brake applied	6.9 ft. - 2WD ~ 7.2 ft. - 4WD
without brake applied	8.5 ft. - 2WD ~ 9.2 ft. - 4WD
Base Weight	2293 lb
Field Ready	Front weights 55.1lbs each x max 3 and rear standard tires filled 207 Lbs. Each = 2790 Lbs.
Length with Loader and Backhoe in travel position	16.5 ft. (Approx)
TOW RATING	
Maximum	3300 lb
Max drawbar load @ hitch point	1100 lb.



B2650HSDC BID SPECIFICATIONS

BID SPECIFICATIONS			
B2650HSDC CAB TRACTOR (Cont.)			
TIRES			
Std Tires Front	7-12 R1 Bridgestone Farm Service Lug		
Std Tires Rear	12.4-16 R1 Firestone Traction Field & Road TT		
Optional Tires	24x8.50-14 R3 Titan Multi Trac Front Tires with 13.6-16 R3 Titan Multi TracTire		
	23x8.50-14 R4 Titan Trac Loader Front Tires with 12.4-16 R4 Goodyear Sure Grip Lug Tire		
TRAVELING SPEEDS (MPH @ rated engine rpm w/ Std Tires and optional Turf Tires)			
Tire size (Rear)		12.4 - 16 AG. Farm	13.6 - 16 Turf R3
	Range	MPH	MPH
Forward	Low	0 to 3.6	0 to 3.7
	Medium	0 to 5.3	0 to 5.5
	High	0 to 11.8	0 to 12.4
Reverse	Low	0 to 2.7	0 to 2.8
	Medium	0 to 3.9	0 to 4.1
	High	0 to 8.9	0 to 9.3
WHEELS/TIRES			
TYPE	FRONT		REAR
Standard	7 - 12 R1 AG ~ BR8707A		12.4 - 16 R1 AG ~ ABR9382
Option #1	24 x 8.50 - 14 Multi-Trac TURF ~ ABR8742		13.6 x - 16 Multi-Trac TURF ~ ABR8744
Option #2	23 x 8.5 - 14 R4 Ind. ~ ABR8726		12.4 x 16 R4 Ind. ~ BR8749
ATTACHMENTS AND IMPLEMENTS			
LA534 FRONT LOADER OPTIONS		BH77 BACKHOE OPTIONS	
B2366	2-Lever Type Quick Coupler	BH1976	6 Position Mechanical Thumb
B2324	54" 2-Lever Type Quick Attach Bucket,	BT1950A	10" Bucket
B2356	60" 2-Lever Type Quick Attach LM Bucket	BT1951A	12" Bucket
B2376	2-Lever Type Quick Attach Pallet Fork Frame	BT1952A	16" Bucket
B1625	54" Pin On	BT1953A	24" Bucket
B1626	60" Pin On	L9467	Flip Pads
B2759	72" 2-Lever Type Quick Attach Hydraulic Straight Blade		
B2749	60" 2-Lever Type Quick Attach Hydraulic Straight Blade		
K9048	36" 2-Lever Type Pallet Forks		
B7302	3rd Function Control Valve for loader attachments		
IMPLEMENTS			
B2714	Quick Hitch Male Receiver		
B2765A	60" Front Snow Blade		
B2775	72" Front Snow Blade		
B2779	60" Front Rotary Sweeper		
B2781B	51" Front Snow Blower		
B2782B	63" Front Snow Blower		
B2789	51" Rear Snow Blower		
BL2664	64" Rear Snow Blower		
RCK60-30BA	60" Mid Mount Mower		
RC72-30B	72" Mid Mount Mower		
GCK60-30B	60" Grass Catcher		
B8160	Ballast Box		
OTHER			
Specifications are with standard tires unless otherwise noted.			
Permanently installed English instructions, diagrams and warning labels (decals) are used to ensure efficient operation and servicing with maximum safety.			
MANUALS: Parts and Service manuals are available through Kubota Parts Department			
WARRANTY: 3 Year Limited Warranty (2 years or 2000 hours, 3rd year internal drive train up to 3000 hours)			
NOTE: Optional Extended Warranty			

KUBOTA B2650HSDC TRACTOR AVAILABLE WHEEL SPACING

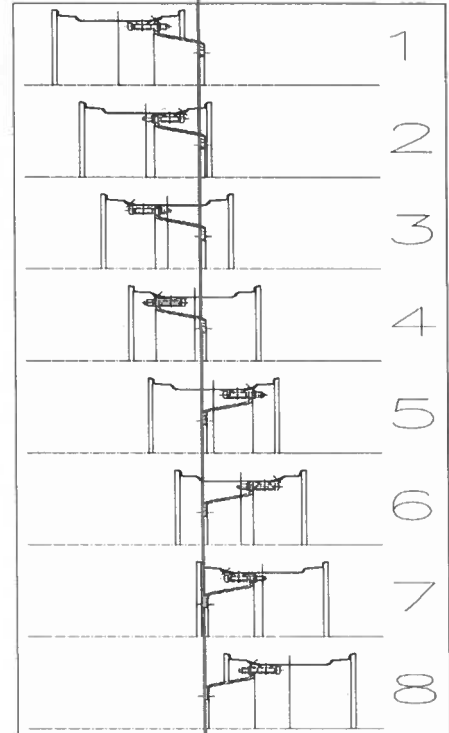
Fixed Welded Wheels

Rear - ABR9382 R1	Wheel offset	Center to Center	Overall Width
Position 6	2.93	41.36	53.76

Rear - ABR8744 R3	Wheel offset	Center to Center	Overall Width
Position 6	2.93	41.36	54.96

Rear - BR8749 R4	Wheel offset	Center to Center	Overall Width
Position 6	2.93	41.36	53.76

Factory Setting



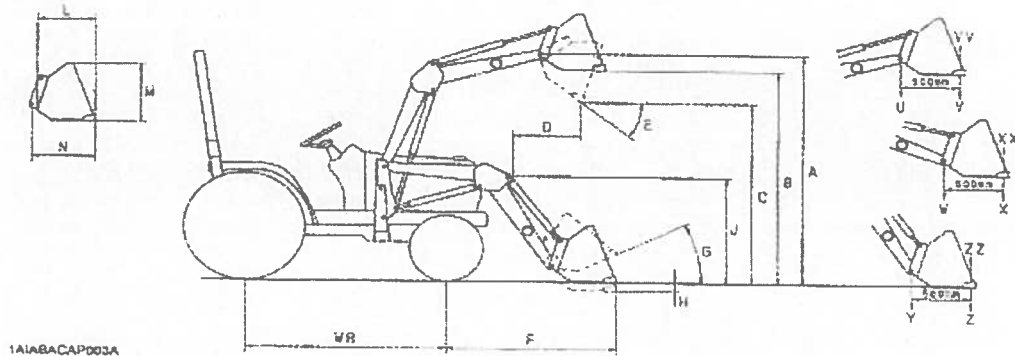
Tractor Axle
Right Side Rear View



BID SPECIFICATIONS

LA434 Front Loader

SPECIFICATIONS		
A	Max Lift Height @ Bucket Pivot Pin	78.5 in.
B	Max Lift Height Under Level Bucket	72.9 in.
C	Clearance with Bucket Dumped	61.7 in.
D	Reach at Max Lift Height Dumping Reach	15.4 in.
E	Max Dumping Angle	40°
F	Reach with Bucket on the Ground	50.9 in.
G	Bucket Roll Back Angle	25°
H	Digging Depth	3.8 in.
J	Overall Height in Carry Position	43.6 in.
U	Lift Capacity @ Bucket Pin	948 lbs.
V	Lift Capacity @ 500 MM Forward	659 lbs.
W	Lift Capacity @ Bucket Pivot Pin, 1500 MM Height	1175 lbs.
X	Lift Capacity @ 500 MM Forward, 1500 MM Height	868 lbs.
Y	Breakout Force @ Bucket Pivot Pin	2146 lbs.
Z	Breakout Force @ 500 MM Forward	1520 lbs.
VV	Bucket Roll Back Force at Max Height	1823 lbs.
XX	Bucket Roll Back Force at 1500 MM Height	2168 lbs.
ZZ	Bucket Roll Back Force @ Ground Level	1737 lbs.
	Raising Time	3.7 sec.
	Lowering Time	2.7 sec.
	Bucket Dumping Time	1.9 sec.
	Bucket Roll Back Time	2.6 sec.



Specifications subject to change without notice.

May 25, 2017

Compact Tractors

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