

## Kodiak K10 DD Combo Tracked Digger Derrick CARRIER SPECIFICATIONS

| <b>DIMENSIONS / WEIGHT</b>   |  | <b>FRAME / SUSPENSION</b>  |  |
|--|--|--|--|
| Overall Length   | 299" boom in storage position            | Type   | Corten Welded Tub  |
| Overall Width  | 102" with outriggers stored              | Suspension   | Double walking beam with dual articulating bogie wheels    |
| Height   | 138" with boom stored                    | <b>Suspension system</b> comes with:   |  |
| Ground Clearance   | 20"                                      | <ul style="list-style-type: none"> <li>➤ 2 independent idler wheels with oil bath hubs and steel face seals</li> <li>➤ 16 steel wheels, 14" dia</li> <li>➤ 2 rear drive sprockets</li> </ul> |  |
| GVW  | 44,000 lbs                               | <b>POWER TRAIN FOR HYDROSTATIC DRIVE</b>   |  |
| Basic Vehicle Weight   | 39,700 lbs (with derrick)                | Transmission   | Hydrostatic, 2-speed                                       |
| Payload  | 4,300 lbs                                | Service Brakes   | Positive deceleration through the hydrostatic transmission |
| Deck Area  | 42 ft <sup>2</sup> (approx. 72" x 84")   | Parking brakes   | Multi-Disc, spring applied & pressure released             |
| <b>PERFORMANCE DATA</b>  |  | <b>ELECTRICAL</b>  |  |
| Maximum speed  | 7.5 mph                                  | Voltage  | 12 V   |
| Inside turning radius  | 0 ft.                                    | (2) Batteries Capacity   | 2x 1,000 CCA   |
| Climbing Ability   |  | Alternator Capacity  | 150 Amps   |
| - Uphill   | 35° (70%)                                | Ground   | Negative   |
| - Side-hill  | 20° (36%)                                | <b>STEERING</b>  |  |
| Ground Pressure (empty)  | 4.78 at 6" penetration                   | Independent dual joysticks with cable control for each track   |  |
| Ground Pressure (loaded)   | 5.89 at 6" penetration                   | <b>TRACKS</b>  |  |
| Tank Working Range   | 18 Hours                                 | One piece 28" rubber tracks with steel reinforcements  |  |
| <b>ENGINE</b>  |  |  |  |
| Make   | Kubota 09 Series                         |  |  |
| Model  | V5009-TIE5                               |  |  |
| Type   | 4 cylinder, Tier 4, Turbo Charged Diesel |  |  |
| Displacement   | 5.0 liters                               |  |  |
| Horsepower   | 210 HP at 2,050 RPM                      |  |  |
| Torque   | 651 ft/lbs at 1,500 RPM                  |  |  |
| Fuel tank  | 120 gallons                              |  |  |
| Working range  | 12 hours                                 |  |  |
| DEF tank   | 10.5 gallons                             |  |  |
| DEF tank fill  | Every 4 <sup>th</sup> fuel tank fill     |  |  |
| <b>STANDARD FEATURES</b>   |  |  |  |
| 1-Man Open Cab ROPS certified  |  | Muffler with spark arrestor  |  |
| Seat with mechanical suspension, 2-point seat belt   |  | 2x oil coolers for hyd oil reservoir   |  |
| Full instrumentation, illuminated panel gauge  |  | Electric engine shut down system   |  |
| Fire extinguisher, backup alarm and horn   |  | Rear receiver socket   |  |
| Side deck ladder & rear folding step   |  | Front and rear rectangular ground lugs   |  |
| Wooden side wall/deck  |  | (4) 77" radial outriggers w/13" x 15" feet   |  |
| LED high powered lights – 2 front & 1 rear on cab, 1 strobe on top, rear back up (& working) light |  | (2) front & (2) rear 40,000 lb D-Rings   |  |
| Block heater, secondary fuel filter with water separator   |  | Spare radio transmitter & bucket level controller batteries & chargers   |  |
|  |  | 2 Sets of operations, parts & service manuals  |  |

\*All specifications subject to change without notice

## Kodiak K10 Digger Derrick/Aerial Lift Boom Specifications

|   |  |
|---|--|
| Lifting Capacity:   | 24,000 lbs at 10' radius                                 |
| Sheave Height:  | 48'  |
| Tip Winch Capacity:   | 12,000 lbs on 2 <sup>nd</sup> boom                       |
| Tip Winch Rope:   | 85 ft of 1" nylon 12,000 lbs rated rope with swivel hook |
| Digging Radius:   | 15' to 23'   |
| <ul style="list-style-type: none"> <li>• Adjustable boom support installed at the front of the cab</li> <li>• Three stage telescoping boom with hydraulically extendible second and third stage boom.</li> <li>• Hydraulic 4 way pole claw on third stage boom tip</li> <li>• Insulated fibreglass 3rd &amp; 4th boom (Category "C" type booms: 46 kVA CSA standard C225-10, ANSI standard A92.2-2015 &amp; ANSI standard A10.31 2013)</li> <li>• Controls w/High Electrical Resistant Components (HERC)</li> <li>• Boom tip metal parts enclosed in plastic</li> <li>• Heavy duty continuous planetary rotation drive with slip brake</li> <li>• 5 Function Automatic Hydraulic Overload Protection (HOP) system: protected functions: boom down, 1st extension, 2nd extension, winch &amp; digger dig</li> <li>• Hydraulic side load protection allows rotation system to back drive</li> <li>• 12,000 ft lbs T-12 2.5" hex 2 speed auger drive with adjustable automatic kick down</li> <li>• Full hydraulic flow from hydrostatic drive and two auxiliary pumps are sent to the auger drive providing approximately 85 HP when digging</li> <li>• Curb side hydraulic auger stow with overstorage protection</li> <li>• Auger storage for up to 24" diameter augers (inclusive)</li> <li>• 18" dirt auger with 2.5" hex diameter &amp; 104" OAL</li> <li>• 45 gallon hydraulic oil reservoir with two electric oil coolers</li> <li>• Engine stop/start controls at the turret pedestal and control console</li> <li>• Boom seat with full pressure, all hydraulic, fully proportional controls</li> <li>• Turret mounted capacity chart, console mounted pressure gauges for system &amp; auger</li> <li>• (4) Hydraulic 77" radial outriggers (with lock valves) at 45° for maximum stability</li> <li>• Full-length heavy duty tubular steel sub frame directly attached to pedestal &amp; outrigger mounts to constitute a complete integral unit</li> <li>• Complete lubrication and operational testing prior to delivery. All adjustments to derrick and related systems made to factory recommended specifications prior to delivery</li> </ul> |  |

## Kodiak K10 Digger Derrick/Aerial Lift Folding 4<sup>th</sup> Boom with 2-Man Basket

|                             |  |
|-----------------------------|--|
| Max bucket reach            | 81'  |
| Fiberglass basket with step | 24" x 42" x 42"                                  |
| Bottom of basket            | 73' 2" (elevator down) 75' (elevator up)         |
| Basket elevator             | 22"  |
| Max side reach              | 37'  |
| Basket capacity             | 550 lbs (Jib not in use)<br>400 lbs (Jib in use) |
| Max jib capacity            | 1,000 lbs  |

### STANDARD FEATURES

|  |  |
|--|--|
| Side mount winch and jib                   | 85° basket rotator   |
| Hydraulically self-leveling basket         | Winch and jib controls with lockouts at the bucket and the lower control |
| Rubber boom support                        | Hydraulic jib tilt   |
| Safety harness and 6' decelerating lanyard | Hydraulic jib extension  |
| Fiberglass extension boom                  |  |
| 46 KV category "C" insulation              |  |

### RADIO CONTROL FUNCTIONS

|                                     |                                      |
|-------------------------------------|--------------------------------------|
| Boom Digger mode / Boom Aerial mode | Hydraulic auger release              |
| Boom cw/ccw                         | Auger dig/reverse                    |
| Boom up/down                        | Pole claw up down                    |
| 1 <sup>st</sup> extension in/out    | Pole claw open/close                 |
| 2 <sup>nd</sup> extension in/out    | Tip winch up/down                    |
| 4 <sup>th</sup> boom in/out         | Activate 12v emergency pump          |
| 4 <sup>th</sup> boom up/down        | Basket elevator up/down              |
| Engine start/stop & horn            | Basket dump                          |
| Throttle up/down                    | Emergency stop & tilt emergency stop |

### AVAILABLE 4<sup>th</sup> BOOM & BASKET OPTIONS

|  |  |
|--|--|
| Basket liner w/step (24" x 42" basket) | Tool circuit at basket, manual control |
| Rigid basket cover with lanyard        | Tool tray (9" X 14" X 18")             |
| Tool tray (8" X 19" X 9")              | Tool tray fiberglass (7" x 7" x 16")   |

### Boom & Digger Options

|                        |   |
|------------------------|---|
| Tip Winch              | 15,000 lbs on 2 <sup>nd</sup> boom with 85 ft of 1" nylon 15,000 lbs rated rope with swivel hook  |
| Auger Drive Options:   | <b>Change auger drive from 2.5 hex dia to 2 5/8" hex dia</b><br><b>Change auger drive to 15,000 ft lbs T15K 3.0" hex dia</b> ,<br>2 speed auger drive with adjustable automatic kick down |
|                        | Hydraulic auger release   |
| 12v Emergency Power    | Powers boom rotation, lowering & all outrigger functions  |
| Auger Types Available: | 18"-36" dirt or rock augers<br>Other auger sizes, teeth, hex dia & brands available   |
| Kelly Bar Options      | 4', 5', 6' or 7' 6" Kelly bar<br>Converting Kelly bar 2.5" hex F to 2.625" hex M, 6' long   |



**UTV INTERNATIONAL**

**KODIAK**  
K10 DD COMBO DIGGER DERRICK

## Kodiak K10 Digger Derrick/Aerial Lift Boom & Digger Options Continued

|   |
|---|
| Two part line kit   |
| Auger storage up to 36" augers  |
| Hydraulic tools outlet on deck with hose reel with twin <b>orange</b> dielectric hoses 3/8" dia x 30' length, flow control for tamping only |
| Bi-directional flow valve & pressure control (2,000 to 3,000 PSI) for hyd tools outlet on deck for faster pole jacking                      |
| Tools outlet on deck back pressure limited to 200 PSI   |

### Kodiak K10 DD Combo Optional Equipment Front Options

|                                     |            |
|-------------------------------------|------------|
| Front 2 way heavy duty plow         |            |
| Hydraulic winch (fixed front mount) | 25,000 lbs |
|                                     | 30,000 lbs |

### Cab Options

|   |
|---|
| Driver's wire mesh screen (open cab)                                  |
| Driver's left side wire mesh door and side wall (open cab)            |
| Driver's right side wire mesh screen (open cab)                       |
| Driver's rear wire mesh screen (open cab)                             |
| Aluminum escape hatch for open cab (when front & side are wire mesh ) |
| Steel escape hatch for open or closed cab (adds FOPS certification)   |
| Tinted safety glass escape hatch with adjustable opening              |
| Protective Brush Guard for front LED Lights                           |
| Cab mounted front Brush Guard for Closed Cab                          |

#### 1-man Closed Cab ROPS certified includes:

Aluminum escape hatch  
Sliding left & right side window  
Cab heater, Circulation fan  
Front windshield on-off wiper  
Door with dual locking system

|  |
|--|
| Front windshield intermittent wiper (closed cab) |
| Sun visor  |
| Driver's 3 point seat belt                       |
| Outrigger deployed in-cab warning light          |
| Premium cab sound & heat insulation              |

## Kodiak K10 DD Combo Optional Equipment Continued Cab Options Continued

|  |
|--|
| Street side rear view mirror                                     |
| Street side rear view mirror with electric heating               |
| Back up camera with heated lens and 7" in-cab waterproof display |
| DC Comfort air conditioning 6,000 BTU/hr, 12V                    |

### Lighting Options

|  |
|--|
| GoLight Stryker spotlight on top of cab with guarding & in cab & hand held remote controls |
| 2x 120 watts LED light bars (behind the cab, swiveling & one fixed over the engine cover)  |
| Outrigger mounted clearance lights   |

### Engine & Cold Weather Options

|   |
|---|
| 12v engine coolant heater, 17,000 Btu with 7 day programmable timer       |
| 120v hydraulic oil tank heater  |
| Insulated battery box   |
| Coolant battery heater  |
| 2x 120v battery heaters   |
| Synthetic hydraulic oil   |
| 1,800 watt gas powered portable generator / inverter with on deck storage |

### Some Available Augers & Kelly Bars

|  |
|--|
| 18" dirt auger with 2.5" hex diameter                    |
| 20" dirt auger with 2.5" hex diameter                    |
| 24" dirt auger with 2.5" hex diameter                    |
| 36" dirt auger with 2.5" hex diameter                    |
| 18" rock auger with 2.5" hex diameter                    |
| 20" rock auger with 2.5" hex diameter                    |
| 24" rock auger with 2.5" hex diameter                    |
| 36" rock auger with 2.5" hex diameter                    |
| Kentucky rock auger 18" with 2.5" hex diameter           |
| <b>Change auger from 2.5 hex dia to 2 5/8" hex dia</b>   |
| <b>Change auger from 2.5 hex dia to 3.0" hex dia</b>     |
| 2.5" hex dia solid Kelly bar 4' Long                     |
| 2.5" hex dia solid Kelly bar 5' Long                     |
| 2.5" hex dia solid Kelly bar 6' Long                     |
| 2.5" hex dia solid Kelly bar 7' 6' Long                  |
| Converting Kelly bar 2.5" hex F to 2.625" hex M, 6' long |

## Kodiak K10 DD Combo Optional Equipment Cont'd

### Vehicle Options / Features Continued

|  |
|--|
| 3" solid Kelly bar 6 ft long   |
| Tool box on deck (front right curb side)   |
| Non slip coating on deck   |
| Ice cleats for outrigger feet (4 each foot)  |
| 12" wooden side wall on deck (removable)   |
| (Set of 4) 24"x24"x1" soft outrigger pads with side deck storage   |
| (Set of 4) 24"x24"x1.5" outrigger cavity pads with side deck storage   |
| (Set of 4) 24"x24"x2" outrigger cavity pads with side deck storage   |
| Hydraulic air compressor 80 CFM at 100 PSIG with air hose reel 50' x 3/4" pneumatic air hose rated 300 PSI             |
| Hydraulic pole jack with soft ground pad, backing plate & deck mount storage   |
| Cable grounding reel on deck, spring loaded, 50 ft 1/0 black cable & clamp   |
| 72" hydraulic pole tamper  |
| 7', 1 1/2" square 10,000 ft lb anchor drive tool with side deck storage  |
| Anchor drive locking dog assembly & Kelly bar adaptor (2.5" dia) with on deck storage                                  |
| 7', 1 1/2" square 15,000 ft lb anchor drive tool with side deck storage  |
| 3.5' anchor drive tool extension wrench  |
| <b>Change anchor tooling from 2 1/2" to 2 5/8" dia</b>   |
| Spare auger holder on deck   |
| Pintle hook  |
| Maintenance kit (high performance filter set for first 100 hour maintenance return & supercharge filters & engine oil) |
| Additional set of manuals  |
| Recommended spare parts for remote operations  |
| One full day on site Operations & Maintenance Training   |

### Other options available upon request

\*Specifications subject to change without notice

## Kodiak K10 DD Combo Tracked Digger Derrick

### Load Chart

# KODIAK

K10 DD COMBO DIGGER DERRICK

| All Retracted |            |                    |                              |
|---------------|------------|--------------------|------------------------------|
| Angle         | Reach feet | Sheave Height feet | Safe All Around Work Load lb |
| -20           | 19.1       | 0.4                | 8750                         |
| 0             | 20.7       | 7.5                | 8500                         |
| 15            | 20.2       | 13.0               | 9000                         |
| 30            | 18.4       | 18.1               | 10500                        |
| 40            | 16.4       | 21.2               | 12500*                       |
| 50            | 14.0       | 23.9               | 15500*                       |
| 60            | 11.1       | 26.2               | 21000*                       |
| 70            | 7.9        | 27.9               | 24000*                       |
| 80            | 4.4        | 29.0               | 24000*                       |

| 3rd Boom Out |            |                    |                              |
|--------------|------------|--------------------|------------------------------|
| Angle        | Reach feet | Sheave Height feet | Safe All Around Work Load lb |
| -20          | 27.8       | -2.8               | 4260                         |
| 0            | 30.0       | 7.5                | 4000                         |
| 15           | 29.2       | 15.4               | 4140                         |
| 30           | 26.5       | 22.8               | 4620                         |
| 40           | 23.6       | 27.2               | 5220                         |
| 50           | 20.0       | 31.0               | 6220                         |
| 60           | 15.8       | 34.2               | 9200                         |
| 70           | 11.1       | 36.6               | 14620*                       |
| 80           | 6.2        | 38.1               | 24000*                       |

| 2nd Boom Out |      |      |        |
|--------------|------|------|--------|
| -20          | 27.8 | -2.8 | 4400   |
| 0            | 29.7 | 7.5  | 4200   |
| 15           | 28.9 | 15.3 | 4500   |
| 30           | 26.2 | 22.6 | 5600   |
| 40           | 23.3 | 27.0 | 6900   |
| 50           | 19.8 | 30.8 | 9200   |
| 60           | 15.6 | 33.9 | 13000* |
| 70           | 11.0 | 36.5 | 20800* |
| 80           | 6.0  | 38.1 | 24000* |

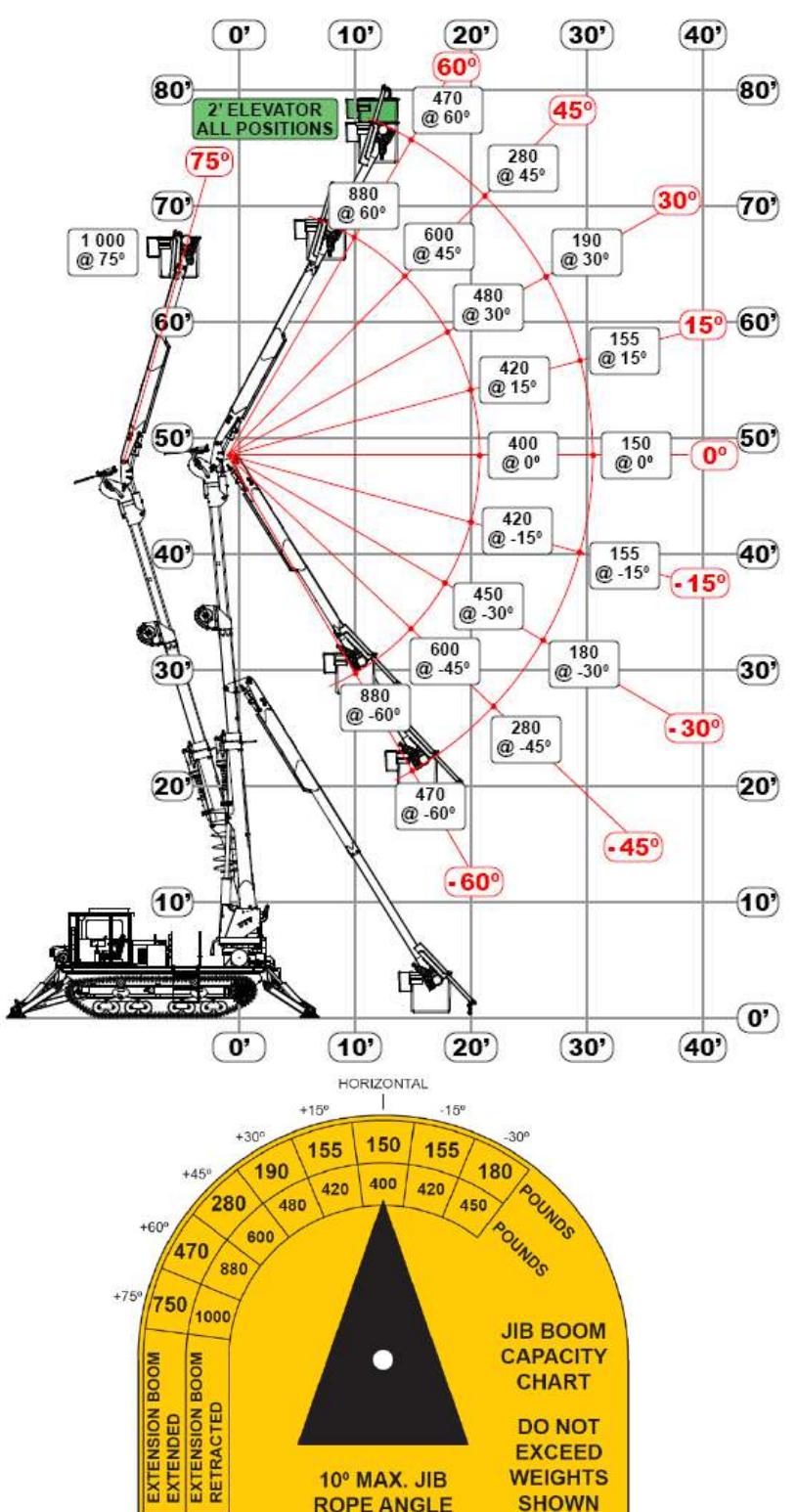
| All Out |      |      |        |
|---------|------|------|--------|
| -20     | 37.9 | -5.8 | 2400   |
| 0       | 39.0 | 7.5  | 2100   |
| 15      | 37.9 | 17.7 | 2500   |
| 30      | 34.3 | 27.3 | 3200   |
| 40      | 30.5 | 33.0 | 4300   |
| 50      | 25.8 | 37.9 | 6000   |
| 60      | 20.3 | 42.0 | 9000   |
| 70      | 14.1 | 45.1 | 12000  |
| 80      | 7.6  | 47.0 | 23000* |

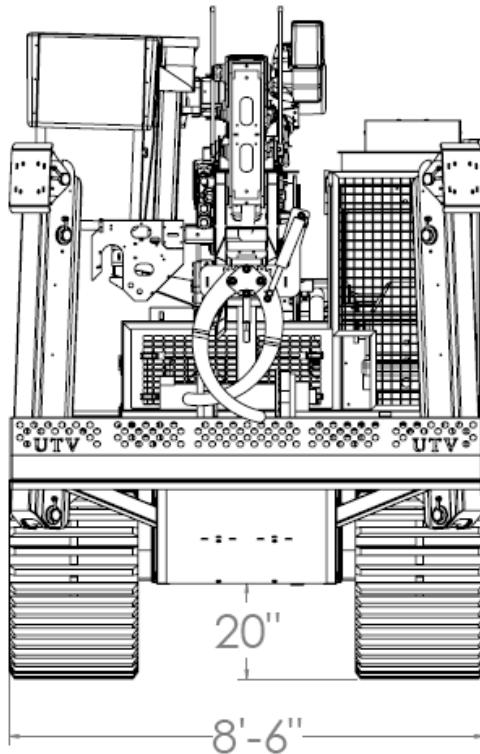
\* TWO PART LINE ABOVE 12000LB

- Capacities based on 85% of vehicle tipping loads.
- All outriggers must be extended and set firmly on the ground.
- Vehicle MUST be leveled to within +/- 5° before operation.

# Kodiak K10 DD Combo Tracked Digger Derrick

## Jib Load Chart



**Kodiak K10 DD Combo Tracked Digger Derrick**Dimensions

**Kodiak K10 DD Combo Tracked Digger Derrick**Dimensions