



UTV INTERNATIONAL



ACHIEVER RT-02 DD TRACKED DIGGER DERRICK CARRIER SPECIFICATIONS

<p><u>DIMENSIONS / WEIGHT</u></p> <p>Overall Length 220" Overall Width 101" Height 118" Ground Clearance 16" Basic Vehicle Weight 16,500 lbs (with derrick) GVWR 24,000 lbs Deck Area 48 ft² (approx. 87" x 80")</p> <p><u>PERFORMANCE DATA</u></p> <p>Maximum speed 10 mph Inside turning radius 0 ft. Climbing Ability - Uphill 40° (90%) - Side-hill 15° (30%) Ground pressure (29" Tracks) 1.95 PSI (no load) 2.31 PSI (loaded) Normal drive range 8 Hours</p> <p><u>ENGINE</u></p> <p>Make Deutz AG Model TCD 3.6 L4, 4 cylinder turbo charged diesel Horsepower 134 HP at 2,300 RPM Displacement 3.6 liters DEF tank 2.6 gals. Fuel capacity 40 gals. Torque 369 ft lbs at 1,600 RPM Avg. fuel consumption 4 gallons per hour</p> <p><u>TRACKS</u></p> <p>5 ply belts with 29" rubberized heat treated aluminum cross links</p>	<p><u>FRAME / SUSPENSION</u></p> <p>Type Welded Tub Axles Torsion Tires Solid Rubber</p> <p>Suspension system comes with:</p> <ul style="list-style-type: none"> ➤ 2 independent idler wheels with oil bath hubs ➤ 8 solid wheels with grease hubs ➤ 2 rear drive sprockets <p><u>POWER TRAIN FOR HYDROSTATIC DRIVE</u></p> <p>Transmission Hydrostatic, 2-speed Service Brakes Positive deceleration through the hydrostatic transmission Parking brakes Multi-Disc, spring applied & pressure released</p> <p><u>ELECTRICAL</u></p> <p>Voltage 12 V Battery Capacity 900 CCA Alternator Capacity 120 Amps Ground Negative</p> <p><u>STEERING</u></p> <p>Independent dual joysticks with cable control for each track</p>
<p><u>STANDARD FEATURES</u></p> <p>1-Man open cab ROPS certified to 24,000 lbs Roll Over Protection Structure ISO 3471:2008 Seat with mechanical suspension, 2-point seat belt Full instrumentation, illuminated panel gauge Fire extinguisher Backup alarm and horn Cab entrance step, Rear folding step Side deck ladder LED high powered lights:2 front & 1 rear on cab, 1 strobe on top, rear back up (& working) light</p>	<p>Glow plugs, secondary fuel filter with water separator Electric engine shut down system 2" Receiver socket, front and rear Dust cap retainers Front and rear rectangular ground lugs (4) Longer 59" radial outriggers w/18"x20" feet (4) 18,000 lb D-Rings Wooden side wall/deck 2 Racks to carry poles 2 Sets of operations, parts & service manuals</p>



Hercules 5042/46 Digger Derrick/Aerial Lift Boom Specifications

Lifting Capacity:	6,000 lbs at 9' radius
Sheave Height:	40' 6"
Tip Winch Rope:	5/8" Nylon (6,000 lbs working strength)
Digging Radius	11'-19'

- Three stage telescoping boom with hydraulically extendible second and third stage boom.
- Hydraulic 4 way pole claw on third stage boom tip
- Boom Tip metal parts enclosed in plastic
- 6,000 lbs tip winch on 3rd boom (fiberglass), insulated
- Heavy duty continuous planetary rotation drive with slip brake
- 5 Function Automatic Hydraulic Overload Protection (HOP) system: protected functions: boom down, 1st extension, 2nd extension, winch & digger dig
- Hydraulic side load protection allows rotation system to back drive
- 12,000 ft lbs T-12 2 speed auger drive with adjustable automatic kick down & high / low flow auger speed switch on the operator's console for four speed settings
- Full hydraulic flow from hydrostatic drive and two auxiliary pumps are sent to the auger drive providing approximately 75 HP when digging
- Curb side hydraulic auger stow with overstorage protection
- Auger storage for up to 24" diameter augers (inclusive)
- 16" Dirt Auger with 2.5" hex diameter & 104" OAL
- 40-gallon hydraulic oil reservoir with electric oil cooler
- Engine stop/start controls at the turret pedestal and control console
- Boom seat with full pressure, all hydraulic, fully proportional controls
- Adjustable boom support installed at the front of the cab
- Turret mounted lift capacity chart
- Turret console mounted pressure gauges for system & auger
- 4 hydraulic 59" radial outriggers (with lock valves) at 45 degrees for maximum stability
- Full-length heavy duty tubular steel sub frame directly attached to pedestal & outrigger mounts to constitute a complete integral unit
- Complete lubrication and operational testing prior to delivery. All adjustments to derrick systems and related made to factory recommended specifications prior to delivery

Hercules 5042/46 Digger Derrick/Aerial Lift Boom & Digger Options

Insulated fibreglass 3 rd & 4 th boom	Insulated for Category "C" type booms: 46 kVA CSA standard C225-10, ANSI standard A92.2-2015 & ANSI standard A10.31 2013
Folding 4 th boom bucket attachment with pin on (removeable) bucket	Bucket reach: 47 ft Bucket dimensions: 24" x 24" x 42"
Fully proportional plasticized platform all hydraulic full pressure controls with 5 functions	<ul style="list-style-type: none"> • Boom rotation: CW - CCW • Boom elevation: up - down • Second boom extension: in - out • Third boom extension: in - out • Winch: up - down
Wireless controls at the platform	Engine start / stop & horn
Bucket options:	Bucket liner Bucket cover Clip on tool tray Hydraulic tools outlet at the bucket Hydraulically self-leveling bucket (not available if Jib option selected)
4 ft Jib	600 lb capacity with adjustable length and angle
Jib accessories	Wire holder (non insulated) jib attachment Single conductor 48 inch hot arm jib attachment
Auger drive options:	10,000 ft lb T-9 auger drive (2) speed automatic for less torque, higher RPM 10,000 ft lb X9K5 single speed low torque, high RPM auger drive for dirt Auger drive torque reduction switch (12,000 to 10,000 ft lbs) Change auger drive from 2.5 hex dia to 2 5/8" hex dia Hydraulic auger release
12v emergency power	Powers boom rotation, lowering & all outrigger functions
Auger types available:	12"-24" dirt or rock augers Other auger sizes, teeth & brands available
Kelly bar options	4', 5', 6' or 7' 6" Kelly bar Converting Kelly Bar 2.5" Hex F to 2.625" Hex M, 6'
Other Boom & Digger Derrick Options	
Hydraulic tools outlet on deck with hose reel with twin orange dielectric hoses 3/8" dia x 30' length, flow control for tamping only. Includes a tamper holding bracket. Boom functions enabled.	
Bi-directional flow valve & pressure control (2,000 to 3,000 PSI) for hyd tools outlet on deck for faster pole jacking. Boom functions disabled at 3,000 PSI	
Tools outlet on deck back pressure limited to 200 PSI	

RT-02 DD OPTIONAL EQUIPMENT & ACCESSORIES

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 (required when four sides wire mesh)
Cab mounted front brush guard for Closed Cab
1-man Closed Cab ROPS certified to 24,000 lbs includes: Aluminum escape hatch Sliding left & right side window Cab heater Front windshield on-off wiper Door with dual locking system Circulation fan
Steel escape hatch for Open or Closed Cab (adds FOPS certification)
Front windshield intermittent wiper (closed cab)
Street side and / or curb side rear view mirror
Street side rear view mirror with electric heating
Sun visor
Back up camera with heated lens and 7" in-cab waterproof display
Outrigger deployed in-cab warning light
Driver's 3 point seat belt
Air suspension seat
Premium cab sound & heat insulation
Opening sunroof (hinged aluminum escape hatch with adjustable opening)
Tinted safety glass escape hatch with adjustable opening (not FOPS certified)
DC Comfort air conditioning 6,000 BTU/hr, 12V
GoLight Stryker spotlight on top of cab with guarding & in cab remote control

RT-02 DD OPTIONAL EQUIPMENT & ACCESSORIES

Engine Options

Spark arrestor
Complete Cold Start - Includes: (can be purchased individually) Oil Heater with Cable & Plug Second Battery Cold Weather Oil for Engine & Hydraulic System (All Season)
Extreme cold package for operations to -40 deg C/-40 deg F: 120v hydraulic oil heater, 120v battery heaters, 12vdc heated fuel filter, coolant heater for hydraulic oil, coolant heater for fuel tank, auxiliary cab heater, extreme cold torsion axles.
12v engine coolant heater, 17,000 Btu with 7 day programmable timer
120v battery heater(s)
12vdc heated fuel filter
In tank fuel heater
Coolant heater for hydraulic oil
Coolant heater for fuel tank

Some Available Augers & Kelly Bars

18" Dirt auger with 2.5" hex diameter
20" Dirt auger with 2.5" hex diameter
16" Rock auger with 2.5" hex diameter
18" Rock auger with 2.5" hex diameter
20" Rock auger with 2.5" hex diameter
Kentucky rock auger 16" with 2.5" hex diameter
Kentucky rock auger 18" with 2.5" hex diameter
Harleman SHCD 2.5 16" rock auger with 2.5" hex diameter
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



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RT-02 DD OPTIONAL EQUIPMENT & ACCESSORIES Cont'd

Vehicle Options / Features

Front bumper in place of plow
Front 2 way plow
19" Height extension for plowing snow
Front plow blade with float position
Winch, electric 12,000 lbs (front wiring only)
Winch, electric 15,000 lb (front wiring only)
Winch, electric 16,500 lbs (front wiring only)
Winch, electric 17,500 lbs (front wiring only)
Winch, electric rear wiring
(2) Side receivers for electric winch with wiring
Winch, hydraulic 18,000 lbs, fixed front mount
Wire mesh screen on front LED work lights
Tool box on deck (front right side)
Cargo tie downs on deck, 2,000 lb capacity (2x D-rings, 2x tie down posts)
Non slip coating on deck
Change 59 in to extra long front outriggers (71 in) for higher lift on hills w/18"x20" feet (allows deck levelling to within 5 degrees on 12 degree slopes)
Change 59 in extra long rear outriggers (71 in) for higher lift on hills w/18" x 20" feet (allows deck levelling to within 5 degrees on 12 degree slopes)
Ice cleats for outrigger feet (4 each foot)
(Set of 4) 24"x24"x1" soft outrigger pads with side deck storage
Outrigger mounted clearance lights
(8) Road wheel oil hubs
DOT road lighting
Ice claws for tracks (17 each side)
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



RT-02 DD OPTIONAL EQUIPMENT & ACCESSORIES Cont'd

Vehicle Options / Features Continued

7', 1 ½" square 10,000 ft lb anchor drive tool with side deck storage
10,000 ft lb anchor drive locking dog assembly & Kelly Bar adaptor (2.5" dia) with on deck storage
7', 1 ½" square 15,000 ft lb anchor drive tool with side deck storage
15,000 ft lb anchor drive locking dog assembly & Kelly Bar adaptor (2.5" dia) with on deck storage
Side deck storage only for 7 ft, 1 ½" anchor drive tool
On deck storage only for anchor drive locking dog assembly & Kelly Bar adaptor (2.5"
1,800 watt gas powered portable generator / inverter with on deck storage
3,000 watt hard wired inverter with deep cycle battery (enclosed box, raised on deck)
Telecom reel support for 1,000 lb 48" reel with spindle & 2nd rear step
Pintle hook
Maintenance kit (high performance filter set for first 100 hour maintenance return & supercharge filters & engine oil)
Additional set of manuals
Other options available upon request

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Tip Winch Load Chart

