



ACHIEVER RT-02 DD TRACKED DIGGER DERRICK CARRIER SPECIFICATIONS

DIMENSIONS / WEIGHT

Overall Length	220"
Overall Width	101"
Height	118"
Ground Clearance	16"
Basic Vehicle Weight	16,650 lbs (with derrick)
GVWR	24,000 lbs
Deck Area	48 ft ² (approx. 87" x 80")

PERFORMANCE DATA

Maximum speed	7.3 mph
Inside turning radius	0 ft.
Climbing Ability	
- Uphill	40° (84%)
- Side-hill	15° (27%)
Ground pressure	2.28 PSI (no load) 29" tracks
	2.62 PSI (loaded) 29" tracks
	2.00 PSI (no load) 33" tracks
	2.30 PSI (loaded) 33" tracks
Normal drive range	8 Hours
Fording / deck height	36" max / 40"

ENGINE

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
Fuel consumption	4 gallons per hour average

FRAME / SUSPENSION

Type	Welded Tub
Axles	Torsion
Tires	Solid Rubber

Suspension system comes with:

- 2 independent idler wheels with oil bath hubs
- 8 solid wheels with grease hubs
- 2 rear drive sprockets

POWER TRAIN FOR HYDROSTATIC DRIVE

Transmission	Hydrostatic, 2-speed
Service Brakes	Positive deceleration through the hydrostatic transmission
Parking brakes	Multi-Disc, spring applied & pressure released

ELECTRICAL

Voltage	12v
(2) Batteries, Capacity	1,060 CCA
Alternator Capacity	120 Amps
Ground	Negative

STEERING

Independent dual joysticks with cable control for each track

TRACKS

5 ply belts with 29" rubberized heat treated aluminum cross links

STANDARD FEATURES

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, 1 boom light & 1 rear work area light

120v block heater, muffler, glow plugs, 12v primary fuel filter heater, 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

Hercules 6042/46 Digger Derrick/Aerial Lift Boom Specifications

Lifting Capacity:	6,000 lbs at 10' radius
Sheave Height:	40' 6"
Tip Winch Rope:	9/16" UHMWPE (6,000 lbs working strength)
Digging Radius	13'-21'

- 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
- 6,000 lb tip winch rope: 70 ft UHMWPE 9/16" dia with HP Aluminum Spool & Shield & 4.5 ton hook
- 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 6042/46 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 2019
Folding 4 th boom bucket attachment with pin on (removeable) bucket	Bucket reach: 47 ft Bucket dimensions: 24" x 24" x 42"
2nd pin on single man bucket	Jib, if equipped, must be removed before pinning
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 soft foam filled Bucket cover heavy duty vinyl 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' long
Other Boom & Digger Derrick Options	
Hydraulic tools outlet on deck with hose reel with twin orange 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

Plow & Winch Options

Front bumper in place of plow
Front 2 way plow (light brush clearing blade)
19" height extension for plowing snow
Front plow blade with float position
16,500 lbs electric winch with front wiring
Electric winch rear wiring
(2) Side receivers for electric winch with wiring
18,000 lbs hydraulic winch, fixed front mount with in cab controls

Cab Options

Driver's front 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)
Steel escape hatch for open or closed cab (adds FOPS certification)
Opening sunroof (hinged aluminum escape hatch with adjustable opening)
Tinted safety glass escape hatch with adjustable opening (not FOPS certified)
Protective brush guard for front LED Lights
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 & 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
Premium cab sound & heat insulation
Street side and / or curb side rear view mirror
Street side rear view mirror with electric heating
Back up camera with heated lens and 7" in-cab waterproof display
Yellow "Boom Not Stowed" warning light in cab with audible alarm
Yellow "Boom Not Stowed" warning light in cab without audible alarm
Outrigger deployed in-cab warning light

RT-02 DD OPTIONAL EQUIPMENT & ACCESSORIES Cont'd

Cab Options continued

DC Comfort air conditioning 6,000 BTU/hr, 12V

Lighting Options

GoLight Stryker spotlight on top of cab with guarding & in cab remote control
2x 120 watts LED light bars (behind the cab, swiveling & one fixed over the engine cover)
4x 18 watts around the vehicle ground illumination LEDs (low profile 40° down-angle)
DOT road lighting (includes outrigger mounted clearance lights)
Outrigger mounted clearance lights

Engine & Cold Weather Options

Spark arrestor
Extended air intake with snorkel precleaner
120v hydraulic oil tank heater
120v battery charger
12v engine coolant heater, 17,000 Btu with 7 day programmable timer
Winter bridge & engine cover
Synthetic engine & ISO 22 hydraulic oil
Extreme cold package for operations to -40 deg F/-40 deg C External Power Available includes: 120v battery blanket heaters, insulated battery box, glycol coolant, synthetic engine & hydraulic oil
Extreme cold package for operations to -40 deg F/-40 deg C No External Power Available includes: 12v engine coolant heater, coolant battery heater, insulated battery box, glycol coolant, synthetic engine & hydraulic oil
2x 120v battery heaters
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
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

RT-02 DD OPTIONAL EQUIPMENT & ACCESSORIES Cont'd

Track Options

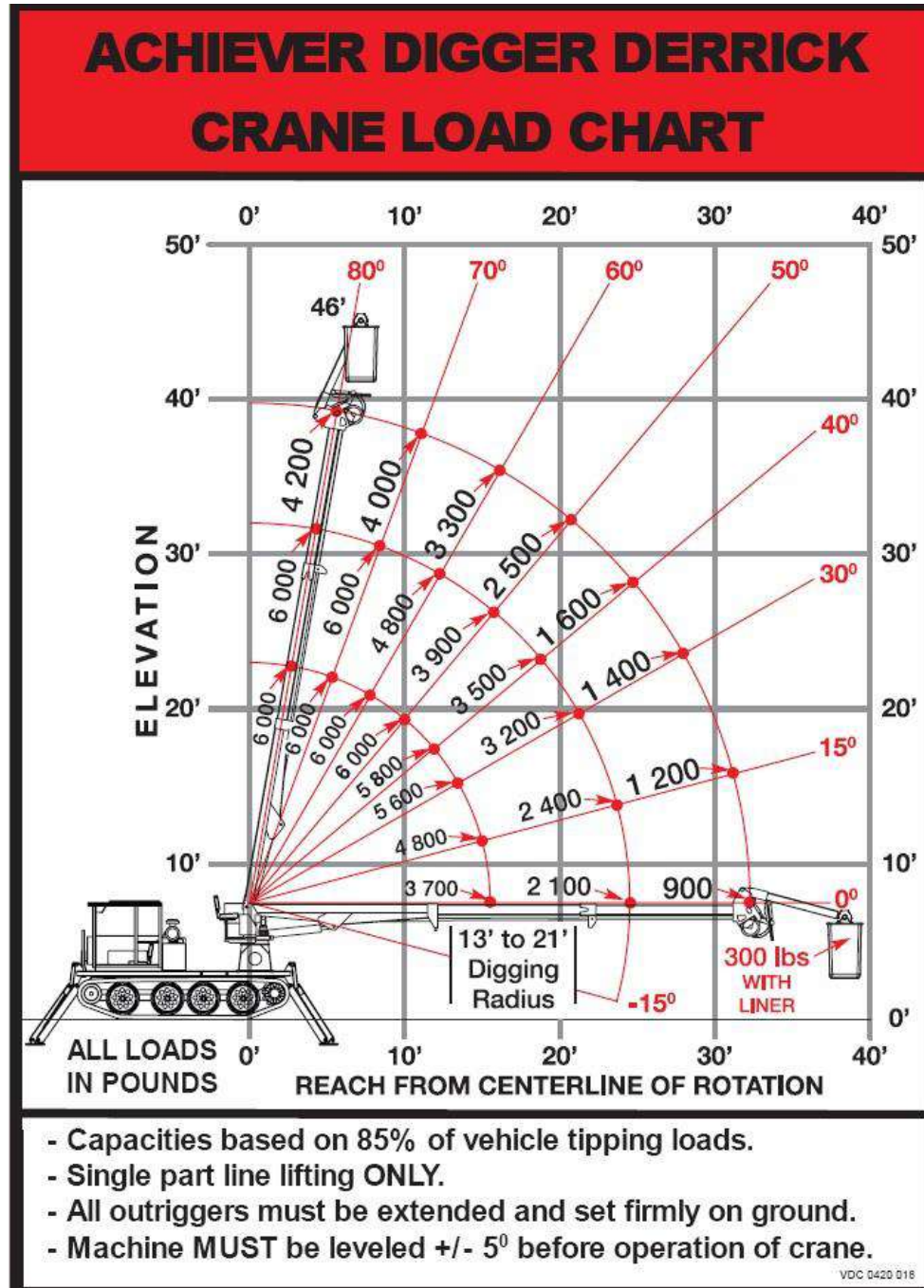
Change 29" to 33" high profile rubber tracks with heat treated aluminum inserts
Ice claws for tracks (17 each side)

Vehicle Options / Features

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 to 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)
Outrigger feet ice cleat ready
(Set of 4) 24"x24"x1" soft outrigger pads with side deck storage
(8) Road wheel oil hubs
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
10,000 ft lb 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
15,000 ft lb anchor drive locking dog assembly & Kelly Bar adaptor (2.5" dia) with on deck storage
3.5' anchor drive tool extension wrench
Change anchor tooling from 2 1/2" to 2 5/8" dia
Side deck storage <u>only</u> for 7 ft, 1 1/2" anchor drive tool
On deck storage <u>only</u> for anchor drive locking dog assembly & Kelly Bar adaptor
3,000 watt hard wired inverter with enclosed box, raised on deck, replace standard batteries with (3) 700 CCA Dual Purpose batteries
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
Spare auger holder on deck
One full day on site operations and maintenance training
Recommended spare parts for remote operations
Other options available upon request

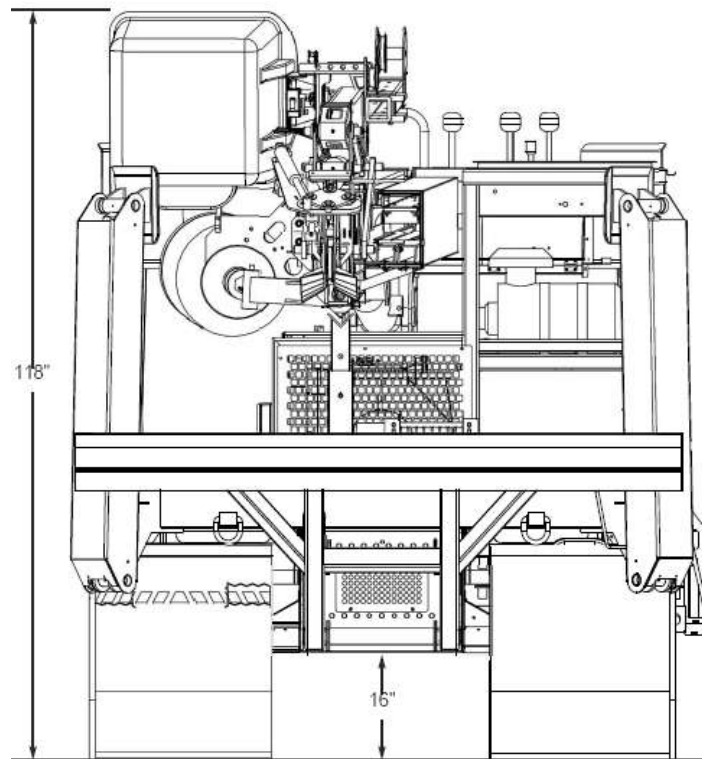
ACHIEVER RT-02 DD TRACKED DIGGER DERRICK

Tip Winch Load Chart



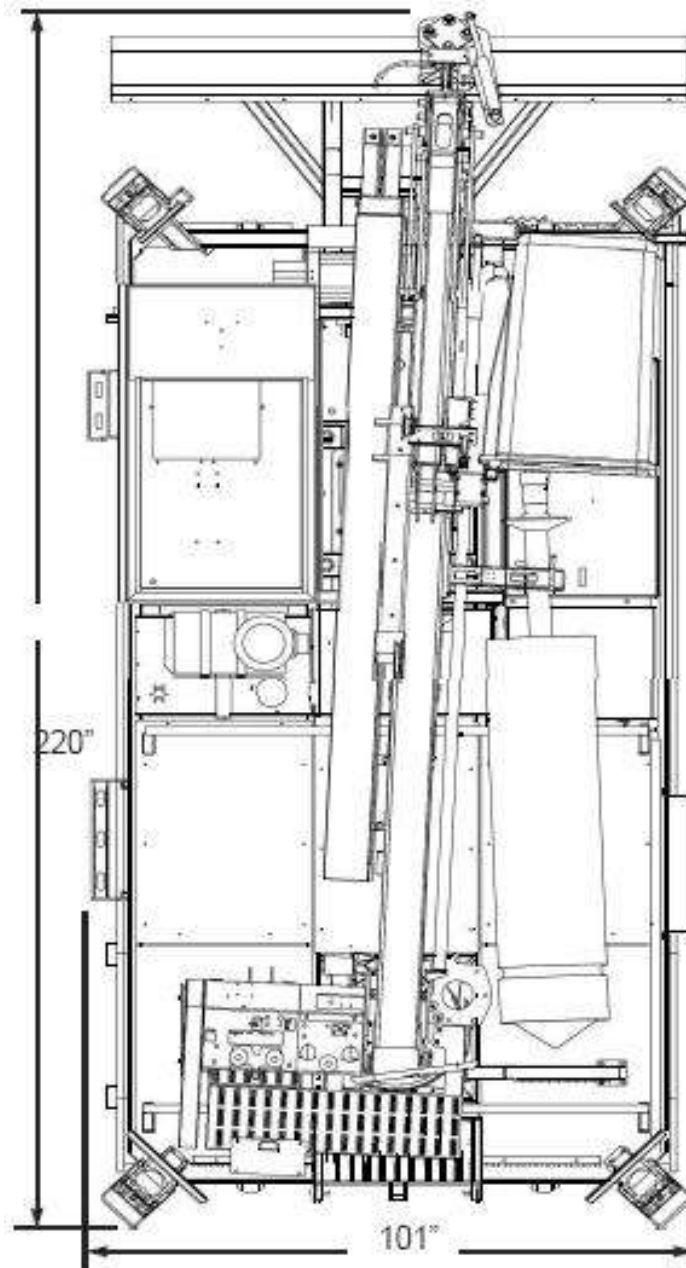
ACHIEVER RT-02 DD TRACKED DIGGER DERRICK

Dimensions

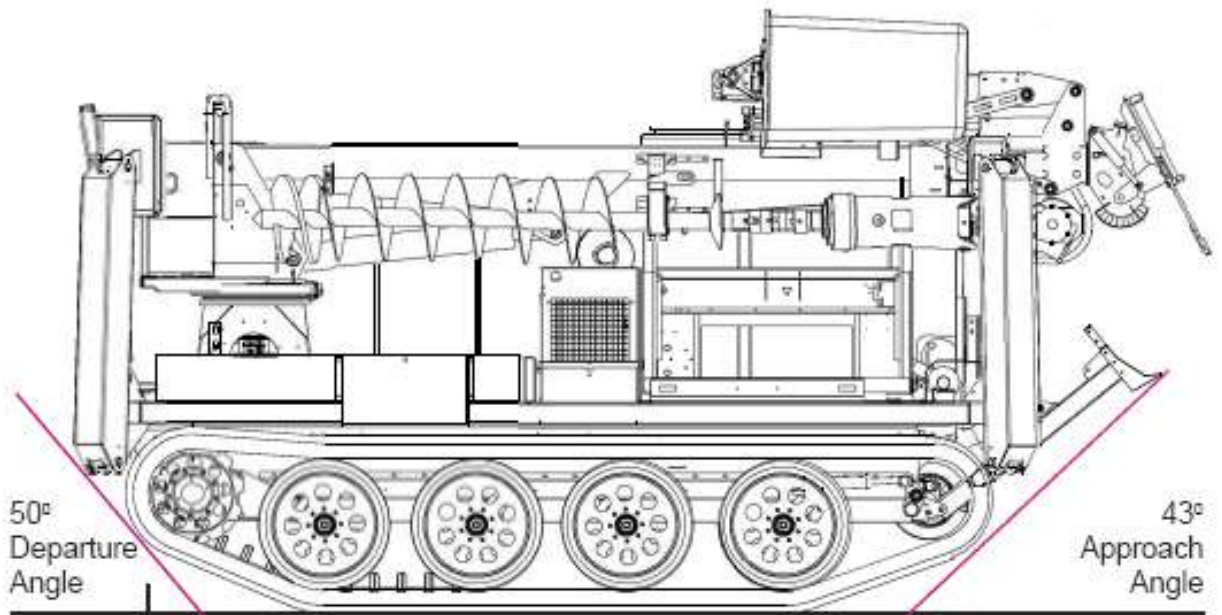


ACHIEVER RT-02 DD TRACKED DIGGER DERRICK

Dimensions

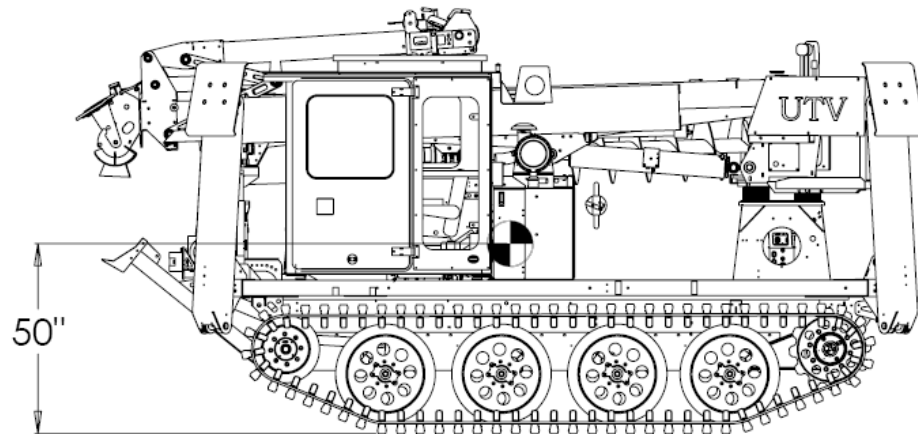
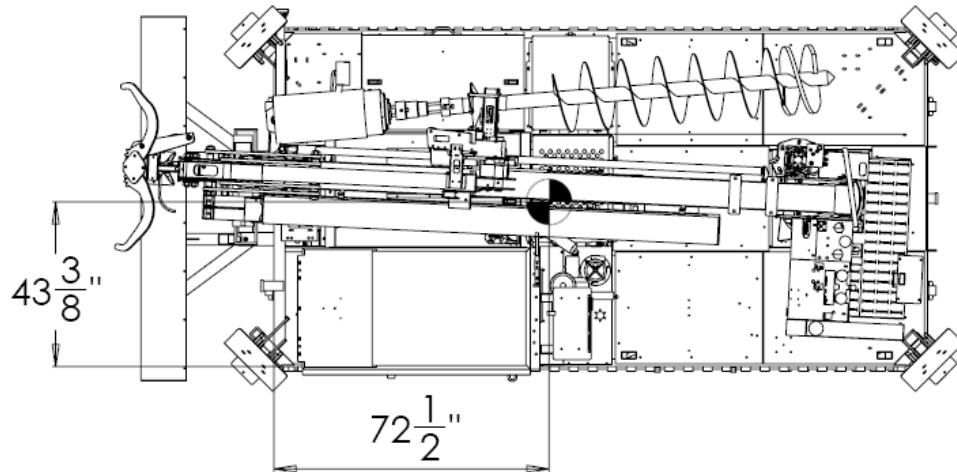


ACHIEVER RT-02 DD TRACKED DIGGER DERRICK

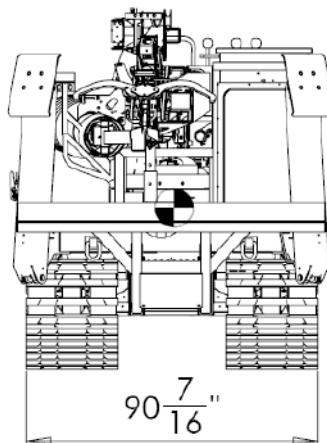


ACHIEVER RT-02 DD TRACKED DIGGER DERRICK

Center of Gravity



NOTE:
THE C.G. HAS BEEN MEASURED USING CLOSED CAB
& TIP WINCH CONFIGURATION.



29" Tracks