

## Achiever TC-55 58 ft Tracked Aerial with Jib

### Hi-Ranger Optima TC-55

<b><u>GENERAL DATA</u></b>																											
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<b><u>STANDARD FEATURES</u></b>																											
<p>Side-mount 24" x 48" x 42" two-person platform with two outside access steps with a slip-resistant surface</p> <p>Safety harness with attached lanyard</p> <p>24" x 48" vinyl platform cover (waterproof with internal elastic cord around edge)</p> <p>Control-PLUS "3-D" single stick control at platform Category "C" rating per ANSI A92.2</p> <p>Upper and lower boom fiberglass inserts</p> <p>Hydraulic platform tilt at upper and lower controls</p> <p>Hydraulic lower, mechanical upper platform leveling system</p> <p>Extended life leveling chain</p> <p>116° degree lower boom articulation to ground in the non-overcenter position</p> <p>Simplified compact, hydraulic extending jib</p> <p>½" x 75' jib load line with swivel hook, latch and load chart</p> <p>Boom overstay protection</p>		<p>Hydraulic dual tools outlet with flow control</p> <p>Rectangular, bi-axial epoxy resin, filament wound fiberglass booms</p> <p>Continuous unrestricted worm gear rotation (self locking with bi-directional motor)</p> <p>Individual lever lower controls</p> <p>Non-compensated, full pressure open-centered hydraulic system</p> <p>24" pedestal height for tracked vehicle mounting</p> <p>Engine stop /start</p> <p>Outrigger interlock</p> <p>Moving outrigger alarm</p> <p>Level indicator</p> <p>Main boom 1,000 lb lifting eye</p> <p>Front boom support &amp; tie down</p> <p>Bucket support</p> <p>Bucket access stairs &amp; grab handle</p> <p>Powder coat white finish</p> <p>Two sets operations &amp; maintenance manuals</p> <p>Standard parts and labor warranty</p>																									
<b><u>AVAILABLE BOOM OPTIONS</u></b>																											
<p>Side mount 24" x 30" x 42" one-person platform</p> <p>24" x 30" platform cover</p> <p>Liners with or without steps</p> <p><b>Jib options (side mount only)</b></p> <p>Single wire / 46 Kv insulated single line lifter</p> <p>Single wire / 15 Kv insulated single line lifter</p>		<p>24" platform lifter (90° side mount)</p> <p>Boom storage warning light</p> <p>Category "B" rating up to 138 KV per ANSI A92.2</p> <p><b>Miscellaneous:</b></p> <p>Additional manuals</p>																									
<b>CARRIER OPTIONS on PAGE 2</b>																											

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## Achiever TC-55 58 ft Tracked Aerial with Jib

### CARRIER SPECIFICATIONS

<p><b><u>DIMENSIONS / WEIGHT</u></b></p> <p>Overall Length      345" boom tip to bucket end                                  215" between stowed outriggers</p> <p>Overall Width        102"</p> <p>Height                119" to top of stowed boom</p> <p>Ground Clearance   16"</p> <p>Weight                20,060 lbs vehicle with boom</p> <p>GVW                   24,000 lbs</p> <p>Deck                  52 ft<sup>2</sup> (approx. 72"L x 87"W)</p> <p><b><u>PERFORMANCE</u></b></p> <p>Maximum speed      8 mph loaded</p> <p>Turning radius       0 ft</p> <p>Climbing Ability</p> <p style="padding-left: 20px;">- Uphill                40° (84%)</p> <p style="padding-left: 20px;">- Side-hill             15° (27%)</p> <p>Ground Pressure    2.83 PSI (no load) (29" Tracks)        2.9 PSI (loaded)</p> <p>Working Range      12 hours (no load)</p> <p><b><u>ENGINE</u></b></p> <p>Make                    Deutz AG Tier 4</p> <p>Model                   TCD 3.6 L4, 4 cylinder Turbo                                  Charged Diesel</p> <p>Displacement        3.6 liters</p> <p>Horsepower           134 HP at 2,300 RPM</p> <p>Torque                 369 ft lbs at 1,600 RPM</p> <p>Fuel capacity         40 gals</p> <p>DEF Tank              2.6 gals</p>	<p><b><u>FRAME / SUSPENSION</u></b></p> <p>Type                    Welded Tub</p> <p>Axle                     Torsion Axle</p> <p>Tires                    Solid Rubber</p> <p><b>Suspension system:</b></p> <ul style="list-style-type: none"> <li>➤ 2 independent idler wheels with oil bath hubs</li> <li>➤ 8 solid wheels with grease hubs and dust cap retainers</li> <li>➤ 2 rear drive sprockets</li> </ul> <p><b><u>POWER TRAIN FOR HYDROSTATIC DRIVE</u></b></p> <p>Transmission        Hydrostatic, 2-speed</p> <p>Service Brakes      Positive deceleration through the hydrostatic transmission</p> <p>Parking brakes      Multi-Disc, spring applied &amp; pressure released</p> <p><b><u>ELECTRICAL</u></b></p> <p>Voltage                12v</p> <p>Batteries, Capacity 2x 1,060 CCA</p> <p>Alternator Capacity 120 Amps</p> <p>Ground                Negative</p> <p><b><u>TRACKS</u></b></p> <p>Rubber 5-ply belts with 29" rubber cross links with heat treated aluminum inserts</p> <p><b><u>STEERING</u></b></p> <p>Independent dual joysticks with cable control for each track</p>		
<p><b><u>STANDARD FEATURES</u></b></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none; vertical-align: top;"> <p>1-Man Open Cab 24,000 lbs ROPS Certified</p> <p>Roll Over Protection Structure ISO 3471:2008</p> <p>Seat with mechanical suspension, 2-point seat belt</p> <p>Full instrumentation, illuminated panel gauge</p> <p>Fire extinguisher, backup alarm and horn</p> <p>High power LED lights: 2 front &amp; 1 rear on cab, 1 strobe on top</p> <p>Cab entrance step, removable curb side deck ladder</p> <p>120v block heater, glow plugs, muffler</p> <p>12v heated primary fuel filter</p> <p>Secondary fuel filter with water separator</p> <p>Electric engine shut down system</p> </td> <td style="width: 50%; border: none; vertical-align: top;"> <p>Hydraulic oil cooler</p> <p>2" receiver socket, front and rear</p> <p>Front and rear rectangular ground lugs</p> <p>Extra long (71") heavy duty front outriggers with 18" x 20" feet &amp; extra long (71") super duty rear outriggers with 10" x 10" feet (allows deck levelling to within 5 degrees on 12 degree slopes)</p> <p>(4) 18,000 lb D-Rings</p> <p>Removeable wood side walls on deck</p> <p>2 sets of parts &amp; service manuals</p> <p>Standard one year warranty</p> </td> </tr> </table>		<p>1-Man Open Cab 24,000 lbs ROPS Certified</p> <p>Roll Over Protection Structure ISO 3471:2008</p> <p>Seat with mechanical suspension, 2-point seat belt</p> <p>Full instrumentation, illuminated panel gauge</p> <p>Fire extinguisher, backup alarm and horn</p> <p>High power LED lights: 2 front &amp; 1 rear on cab, 1 strobe on top</p> <p>Cab entrance step, removable curb side deck ladder</p> <p>120v block heater, glow plugs, muffler</p> <p>12v heated primary fuel filter</p> <p>Secondary fuel filter with water separator</p> <p>Electric engine shut down system</p>	<p>Hydraulic oil cooler</p> <p>2" receiver socket, front and rear</p> <p>Front and rear rectangular ground lugs</p> <p>Extra long (71") heavy duty front outriggers with 18" x 20" feet &amp; extra long (71") super duty rear outriggers with 10" x 10" feet (allows deck levelling to within 5 degrees on 12 degree slopes)</p> <p>(4) 18,000 lb D-Rings</p> <p>Removeable wood side walls on deck</p> <p>2 sets of parts &amp; service manuals</p> <p>Standard one year warranty</p>
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### ACHIEVER TC-55 CARRIER OPTIONS & ACCESSORIES

#### Front Vehicle Options

Front 2 way plow
Front plow blade with float position
16,500 lbs electric winch with front wiring
Electric winch rear wiring

## ACHIEVER TC-55 CARRIER OPTIONS & ACCESSORIES continued

### Front Vehicle Options continued

(2) Side receivers for electric winch with wiring
Front mount storage for electric winch when hydraulic winch equipped
18,000 lbs hydraulic winch, fixed front mount with in cab control

### 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 all four sides have wire mesh)
Steel escape hatch for open or closed cab (adds FOPS certification)
Opening sunroof (hinged aluminum escape hatch with adjustable opening, not FOPS certified)
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
<b>1 Man Closed Cab 24,000 lbs ROPS Certified Includes</b> Front windshield on/off wiper & windshield washer Aluminum escape hatch Sliding left & right side window Cab heater & circulation fan Door with dual locking system
Front windshield intermittent wiper (closed cab)
Driver's 3 point seat belt
Sun visor
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
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
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 control
DOT road lighting (includes outrigger mounted clearance lights)
Outrigger mounted clearance lights

## ACHIEVER TC-55 CARRIER OPTIONS & ACCESSORIES continued

### Engine & Cold Weather Options

Spark arrestor
12v engine coolant heater, 17,000 Btu with 7 day programmable timer
120v hydraulic oil tank heater
120v battery charger
Synthetic engine oil
Winter bridge & engine cover
Insulated battery box
Coolant battery heater
2x 120v battery heaters
Glycol coolant
Synthetic hydraulic oil
1,800 watt gas powered portable generator / inverter with on deck storage

### Track Options

Ice claws for tracks (17 each side)
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### Vehicle Options / Features

Tool box on deck (front right side)
Non slip coating on deck
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
(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
(8) road wheel oil hubs
Cable grounding reel on deck, spring loaded, 50 ft 1/0 black cable & clamp
Pintle hook
Maintenance kit (high performance filter set for first 100 hour maintenance Return & Supercharge Filters)
Additional sets of boom and carrier manuals

### Additional Available Options

One full day on site operations and maintenance training
Recommended spare parts for remote operations

**Other options available upon request**

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### Jib Load Chart Example

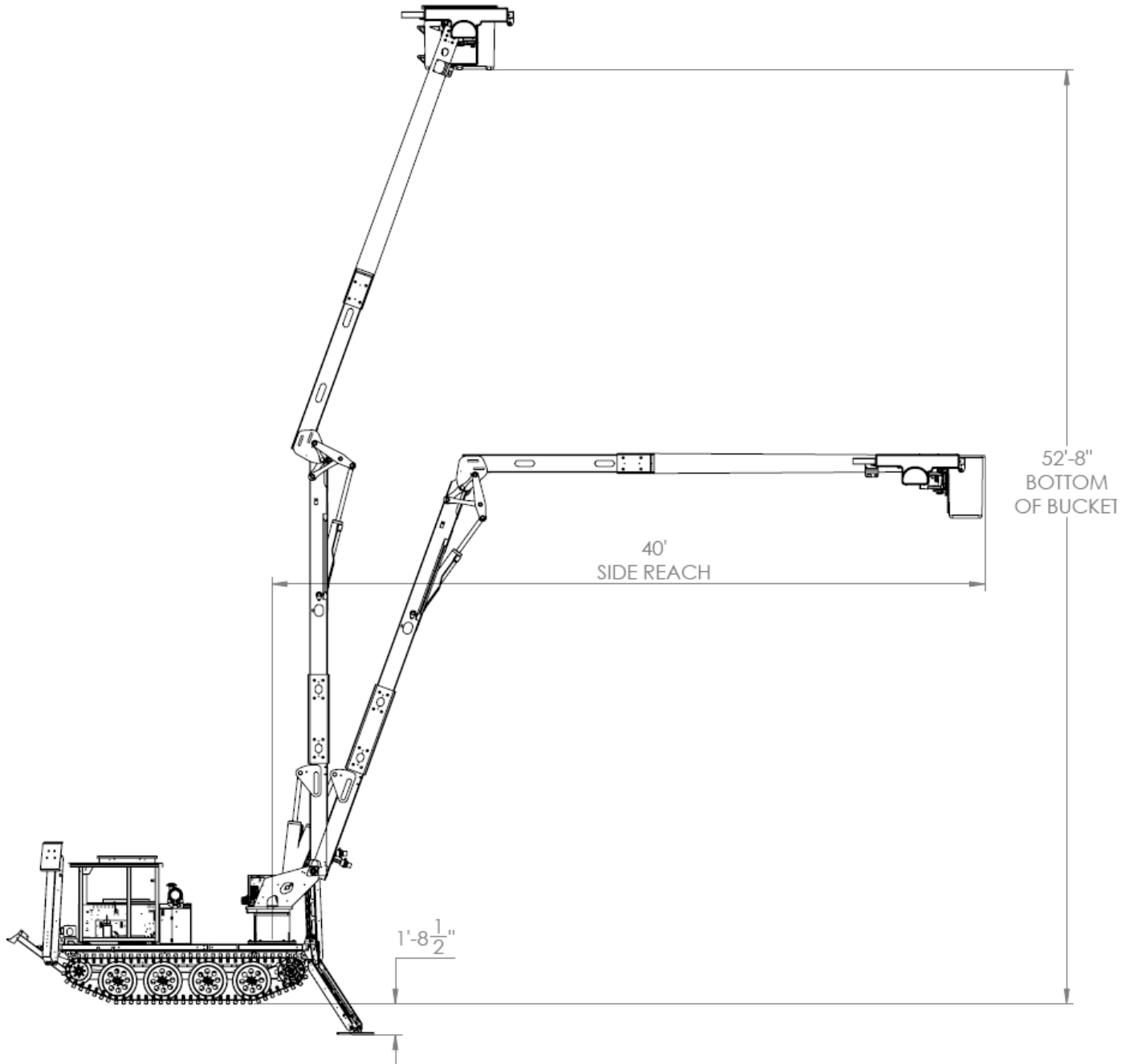
<b>TEREX UTILITIES</b>					
OPTIMA TC55 JIB CAPACITIES					
JIB CAPACITY AT LOAD RADIUS SHOWN					
Upper Boom Angle	Zone A			Zone B	
	Lower Boom to 110 deg			LB Over 110 deg	
	0-2'	2-4'	4-6'	0-2'	2'+
-60	1380	750	500	870	500
-30	580	560	500	140	140
0	560	540	500	0	0
15	570	550	500	0	0
30	750	700	500	230	200
45	1150	750	500	530	500
60	1500	750	500	1140	500
65	1500	750	500	1400	500
70	1500	750	500	1500	500

1) Capacities are in pounds  
 2) Load radius is the horizontal distance from basket shaft to winch line  
 3) See lower boom angle indicator for correct zone  
 4) If upper is between angles shown, use lower jib capacity  
 5) Platform capacity is 700. Jib capacities are independent of platform load

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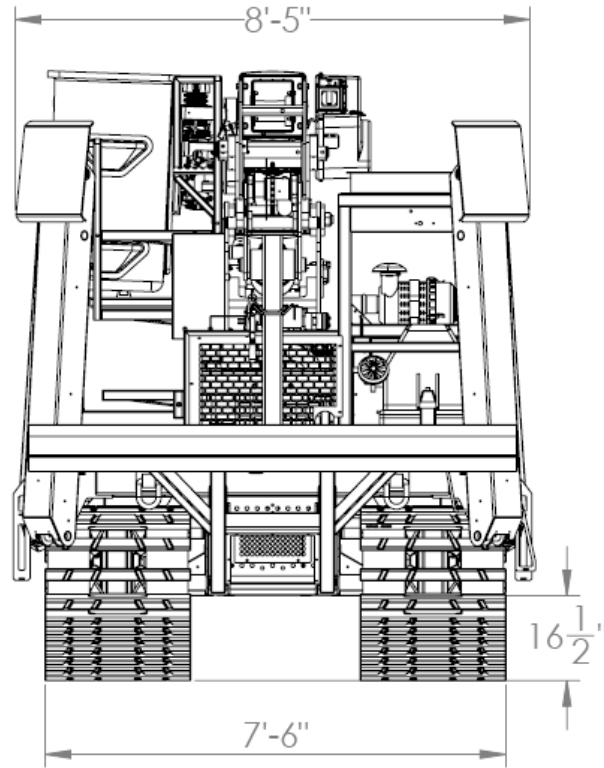
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## Bottom of Bucket & Side Reach



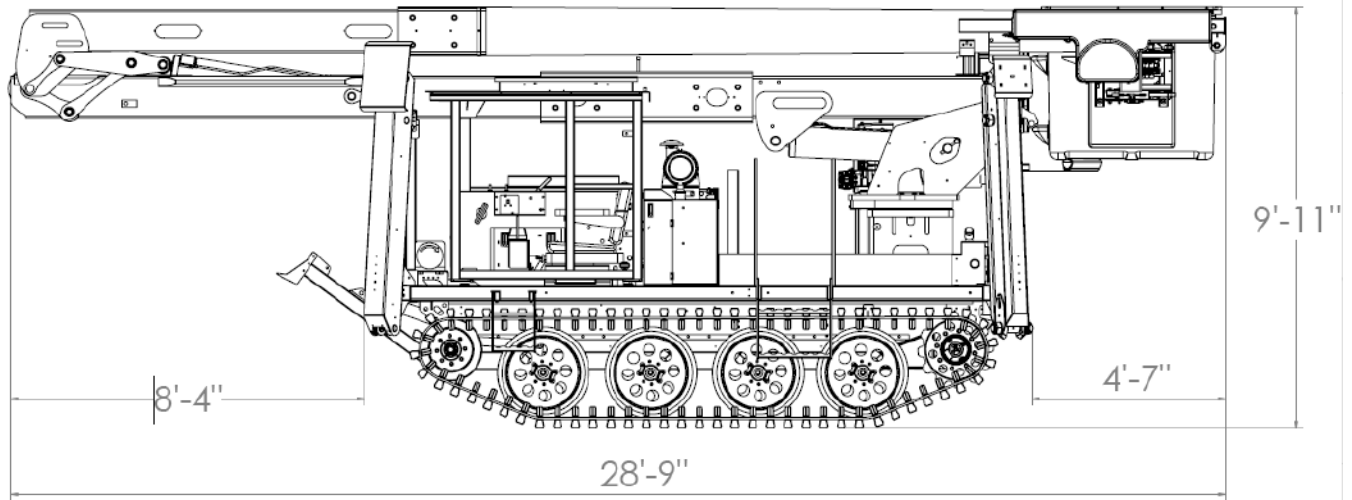


## Achiever TC-55 58 ft Tracked Aerial with Jib DIMENSIONS



## Achiever TC-55 58 ft Tracked Aerial with Jib

### DIMENSIONS





# Achiever TC-55 58 ft Tracked Aerial with Jib

## CENTER OF GRAVITY

