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# UTEM SKYTEL UTLN35A/UTLI35A



- 🛑 Exclusive 540 degree boom rotation with hourglass worm gear drive  
Provides smooth and self locking rotation with a mechanical stop
- 🛑 One hand joystick control standard  
Single handle proportional control is optional
- 🛑 Outer boom is high strength steel, with steel inner boom on UTLN35A  
Provides maximum strength and durability
- 🛑 Non-tracking 30 in. insulation gap on the UTLI35A
- 🛑 Radio control on UTLI35A

Strength, innovation and service from UTEM



Utility Truck Equipment MFG, L.L.C.

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Hewitt, Texas 76643

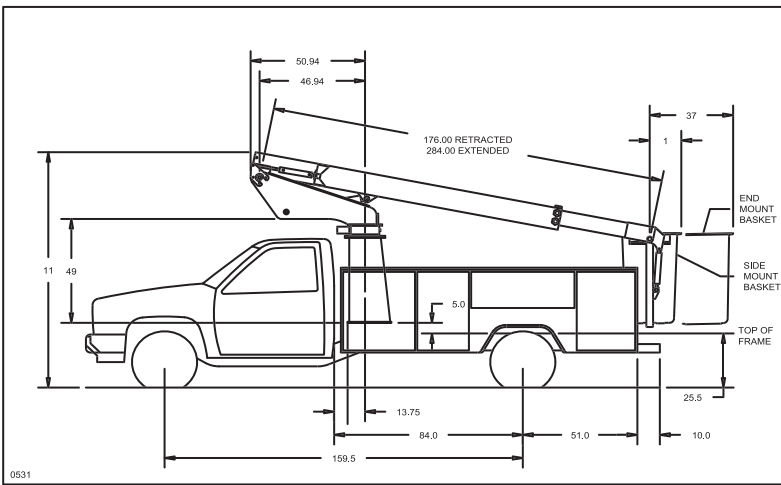
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[www.UTEMbuckets.com](http://www.UTEMbuckets.com)

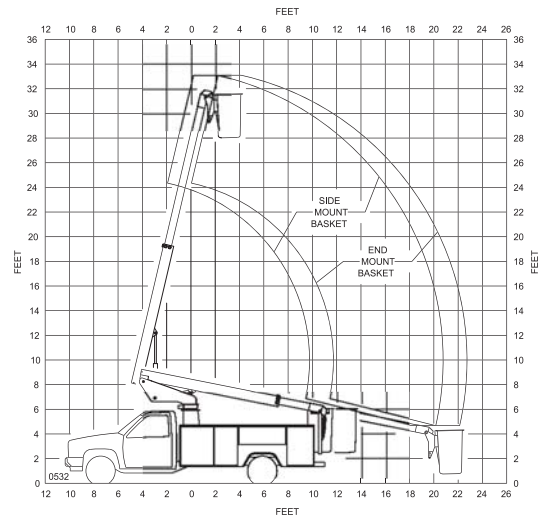
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# UTEM SKYTEL UTLN35A/UTLI35A



Dimensional Outline



Operating Area Diagram

## Dimensional Specifications

### UTLN35A/UTLI35A

Horizontal side reach - side mount	20 ft 9 in (6.32m)
Horizontal side reach - end mount	22 ft 9 in (6.93m)
Height to bottom of basket*	29 ft (8.83m)
Working height*	34 ft (10.36m)
Stowed height*	10 ft 1 in (3.07m)
Outer boom articulation in degrees	-14° to 78°
Standard basket capacity	300 lbs (136kg)
Maximum basket capacity	350 lbs (159kg)
UTLI non-tracking insulation gap is 30 in (0.76m)	
UTLI Tested and rated for Category C 46kV and below per ANSI A92.2-1990	
UTLN and UTLI meet or exceed ANSI A92.2-1990 and OSHA requirements	
* Based on 36 in (0.91m) chassis frame height	

## Mechanical Specifications

- 540° Boom rotation with mechanical stop
- Rotation drive is hourglass worm gear acting on a shear ball bearing
- Side mount basket includes infinite position brake
- End mount basket includes hydraulic leveling
- All hoses or controls cables are enclosed within the outer boom
- Boom elevation and extension by hydraulic cylinders
- Boom and extension cylinders have load holding valves
- Outer boom is high strength steel with screw in wear pads
- Inner boom is high strength steel (UTLN) or machine wound FRP (UTLI)
- Pedestal is welded structure with reservoir mounted inside
- Standard color is UTEM white powder coat
- Body harness with adjustable length shock absorbing lanyard included

## Chassis Requirements

### Minimum Recommended

Vehicle GVWR	10100 lbs	11000 lbs
Front axle GAWR	4000 lbs	4200 lbs
Rear axle GAWR	7500 lbs	7500 lbs
Frame section modulus	5.42 in <sup>3</sup>	5.42 in <sup>3</sup>
RBM of frame	195000 in lbs	195000 in lbs
Approx. weight for stability	7800 lbs	7800 lbs

## Controls

- Joystick basket controls with 12 VDC lower control valve
- Joystick and all electric switches are environmentally sealed
- UTLN basket controls are electric cable connection to valve
- UTLI basket controls are radio interface to lower controls
- Engine stop/start provided with "HE" and "DP" options
- Emergency stop is provided at basket controls
- Lower control override selector included
- Lower controls have keyed master switch

## Hydraulic Specifications

Operating pressure	2200 PSI (155kg/cm <sup>2</sup> )
Reservoir capacity with sight gauge	10 Gallons (38l)
Suction strainer mounted in reservoir	100 Mesh
Return line filter with bypass	10 Micron

## Optional Equipment

- Proportional upper controls with single handle actuator - UTLN only
- Baskets with steps, crawl thru and walk thru openings
- Basket door, tent, top and heater
- Hydraulic leveling for side mount basket
- End mount basket with hydraulic leveling
- Electric tool outlet at basket - UTLN only
- Hydraulic tool outlet at basket
- Emergency lowering - 12VDC powered
- Emergency descent - gravity lowering
- Bridge mount pedestal and remote reservoir
- Manual basket rotator
- Hydraulic basket rotator
- Outriggers for increased stability
- Torsion bars for increased stability



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