






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.

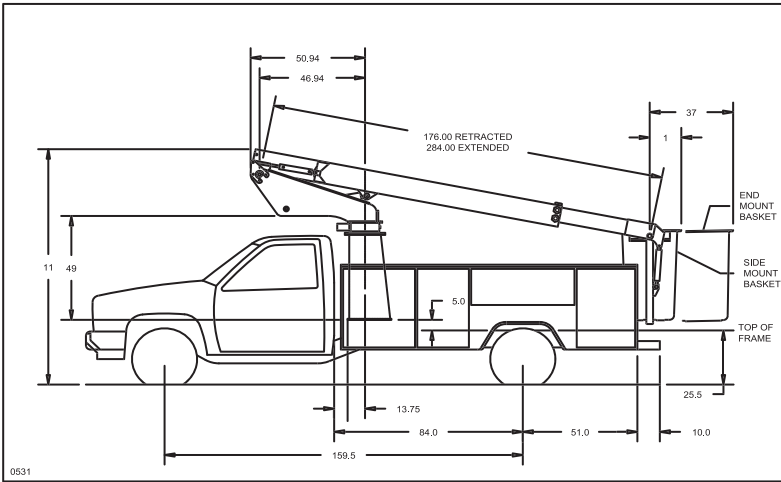
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UTEM SKYTEL UTLN35A/UTLI35A



Dimensional Outline

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

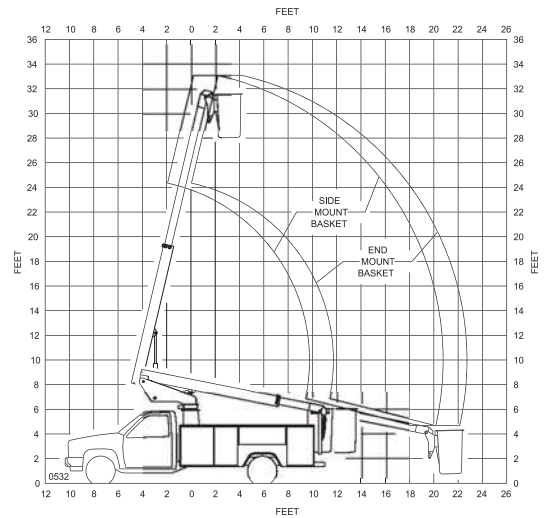
- 540° Boom rotation with mechanical stop
- Rotation drive is hourglass worm gear acting on a shear ball bearing
- Side mount basket includes infinite position brake
- End mount basket includes hydraulic leveling
- All hoses or controls cables are enclosed within the outer boom
- Boom elevation and extension 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 ³	5.42 in ³
RBM of frame	195000 in lbs	195000 in lbs
Approx. weight for stability	7800 lbs	7800 lbs



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Operating Area Diagram

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 ²)
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