

# UTEM SKYTEL UTLN35A/UTLI35A

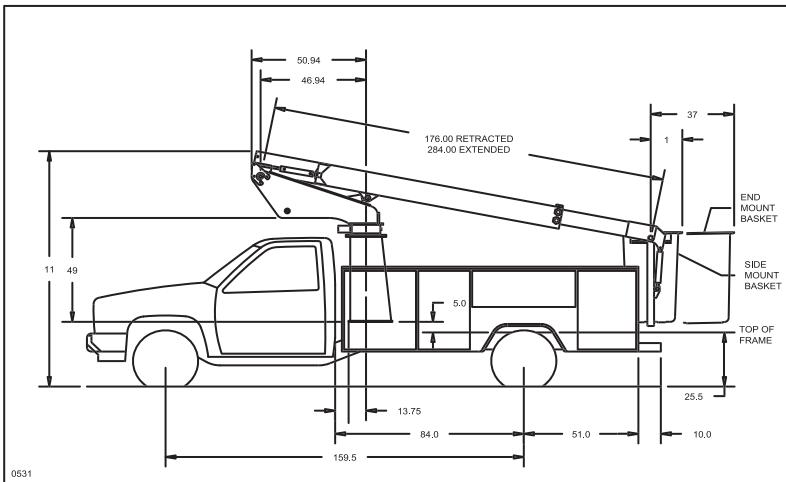


- Exclusive 540 degree boom rotation with hourglass worm gear drive  
Provides smooth and self locking rotation with a mechanical stop
  - One hand joystick control standard  
Single handle proportional control is optional
  - Outer boom is high strength steel, with steel inner boom on UTLN35A  
Provides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

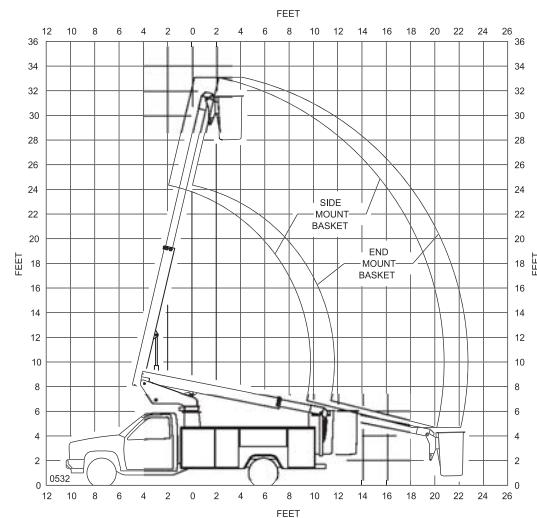


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# UTEM SKYTEL UTLN35A/UTLI35A



Dimensional Outline



Operating Area Diagram

## Dimensional Specifications

Horizontal side reach - side mount

Horizontal side reach - end mount

Height to bottom of basket\*

Working height\*

Stowed height\*

Outer boom articulation in degrees

Standard basket capacity

Maximum basket capacity

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

## UTLN35A/UTLI35A

20 ft 9 in (6.32m)

22 ft 9 in (6.93m)

29 ft(8.83m)

34 ft(10.36m)

10 ft 1 in (3.07m)

-14° to 78°

300 lbs (136kg)

350 lbs (159kg)

## 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

## 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

2200 PSI (155kg/cm<sup>2</sup>)

10 Gallons (38l)

100 Mesh

10 Micron

## Hydraulic Specifications

Operating pressure

Reservoir capacity with sight gauge

Suction strainer mounted in reservoir

Return line filter with bypass

## 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

## 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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