






# UTEM SKYVAN UVN35A/UVI35A



-  Exclusive 540 degree boom rotation with hourglass worm gear drive  
Provides smooth and self locking rotation with a mechanical stop
-  Non-lube bearing at all points of boom movement
-  One hand joystick control standard  
Single handle proportional control is optional
-  Outer boom is high strength steel, with steel inner boom on UVN35A  
Provides maximum strength and durability
-  Non-tracking 30 in. insulation gap on the UVI35A  
Radio control on UVI35A

Strength, innovation and service from UTEM



Utility Truck Equipment MFG, L.L.C.

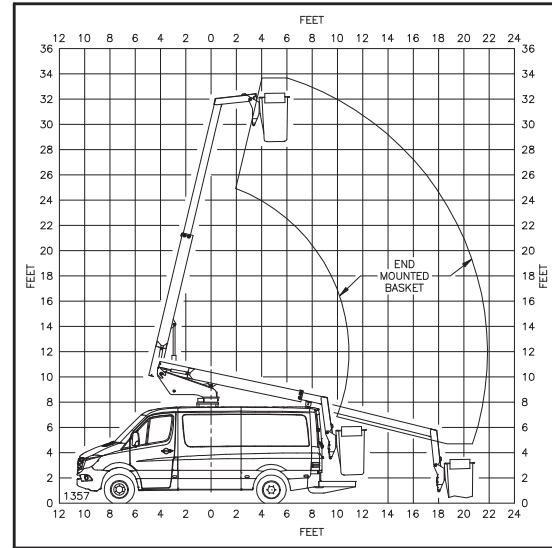
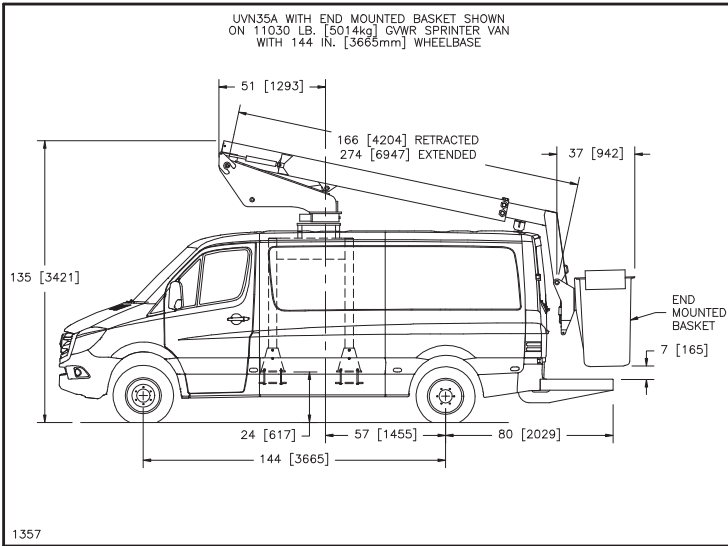
P.O. Box 9

Hewitt, Texas 76643

Phone: 254-857-8204 Fax: 254-857-9253

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

# UTEM SKYVAN UVN35A/UIV35A



## Dimensional Outline

### Dimensional Specifications

UVN35A/UIV35A

#### Side Mounted Basket

Horizontal Reach	20 ft 11 in (6.39m)
Height to Bottom of basket*	29 ft 8 in (9.03m)
Working Height*	34 ft 8 in (10.56m)

#### End Mounted Basket

Horizontal Reach	21 ft 11 in (6.67m)
Height to Bottom of basket*	28 ft 8 in (8.74m)
Working Height*	33 ft 8 in (10.27m)
Stowed Height*	11 ft 3 in (3.43m)
Standard basket capacity	300 lbs (136kg)
Maximum basket capacity	350 lbs (159kg)

UVI non-tracking insulation gap is 30 in (0.76m)

UVI tested and rated for Category C 46kV and below per ANSI A92.2-2009

UVN and UVI meets or exceeds ANSI A92.2-2009 and OSHA requirements

\*Based on a 24" floor 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 and controls cables are enclosed within the outer boom
- Boom elevation and extension by hydraulic cylinders
- Boom and extension cylinders have load holding valves
- 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 (UVN) or machine wound FRP (UVI)
- 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

#### Recommended

Vehicle GVWR	11,300 lbs
Front GVWR	4410 lbs
Rear GVWR	7720 lbs
Wheel Base	144"
Low Roof Van Height	
Approx. weight for stability	7900 lbs

## Operating Area Diagram

### Controls

- Joystick basket controls with 12VDC lower control valve
- Joystick and all electric switches are environmentally sealed
- UVN basket controls are electric cable connection to valve
- UVI 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 - UVN only
- Baskets with steps, crawl-thru and walk-thru openings
- Basket door, tent, top and heater
- Standard color is UTEM white powder coat
- Body harness with adjustable length shock absorbing lanyard included
- Electric tool outlet at basket - UVN 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
- Remote lower controls, hand held or box mount
- Hydraulic leveling for side mount basket
- End mount basket with hydraulic leveling



Utility Truck Equipment MFG, L.L.C.  
PO Box 9  
Hewitt, TX 76643

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