

# 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.

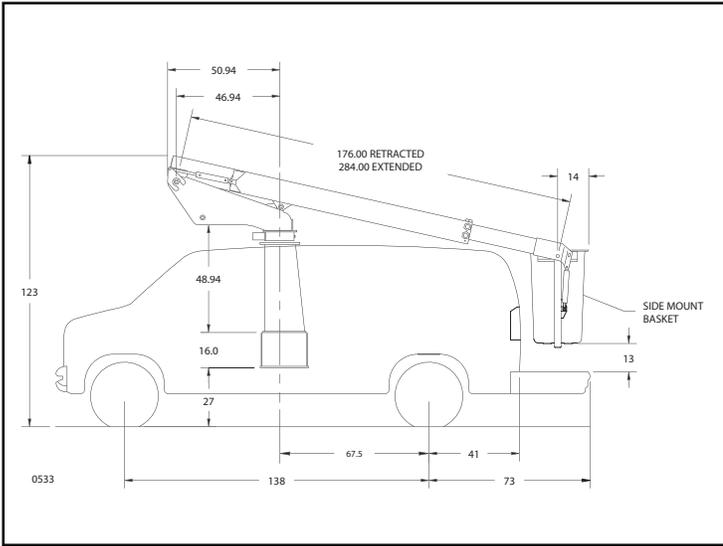
P.O. Box 9

Hewitt, Texas 76643

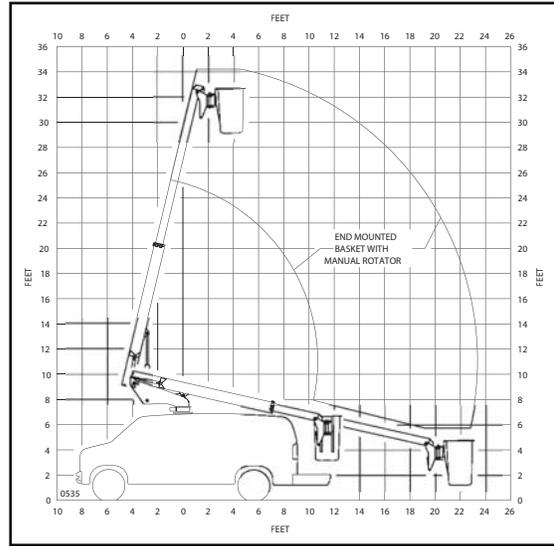
Phone: 254-857-8204 Fax: 254-857-9253

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# UTEM SKYVAN UVN35A/UIV35A



**Dimensional Outline**



**Operating Area Diagram**

**Dimensional Specifications**

UVN35A/UIV35A

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 2 in (8.83m)
Working height*	34 ft 2 in (10.36m)
Stowed height*	10 ft 3 in (3.07m)
Outer boom articulation in degrees	-14° to 77°
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 A92.2-2001	
UVN and UVI meet or exceed ANSI A92.2-2001 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 and 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 (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**

	Minimum	Recommended
Vehicle GVWR	9000 lbs	9600 lbs
Front axle GAWR	3900 lbs	4100 lbs
Rear axle GAWR	6000 lbs	6100 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 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



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