
UTEM SKYTEL UTLI 41A/46A



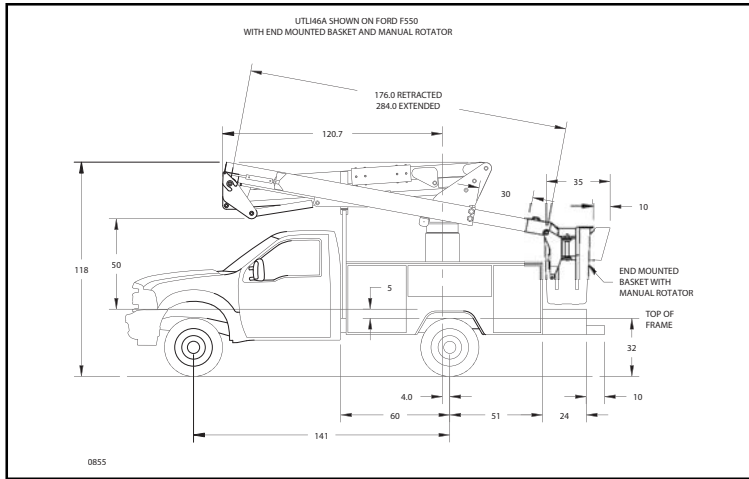
- 🔴 Exclusive 540 degree boom rotation with hourglass worm gear drive
Provides smooth and self locking rotation with a mechanical stop
- 🔴 Non-Lube bearings at all points of boom movement
- 🔴 Full pressure individual lever upper controls standard
Single stick upper control is optional
- 🔴 Outer boom is high strength steel
Inner boom is oven cured epoxy resin fiberglass
Provides maximum strength and durability
- 🔴 Non-tracking 30 in. insulation gap

Strength, innovation and service from UTEM

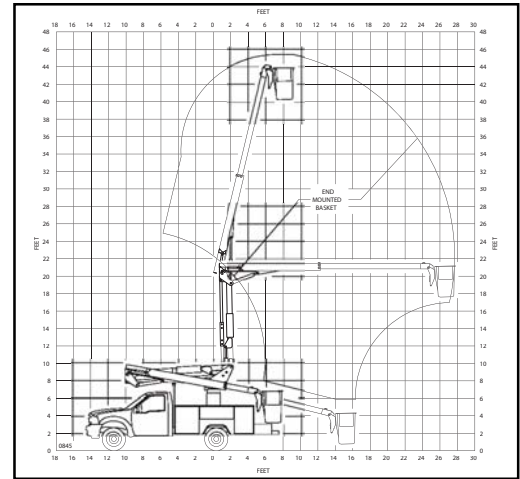


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UTEM SKYTEL UTLI 41A/46A



UTLI 46A Dimensional Outline



UTLI 46 Operating Area Diagram

Dimensional Specifications

	UTLI 41A	UTLI 46A
Horizontal side reach - side mount	25 ft 9 in (7.86 m)	25 ft 8 in (7.84 m)
Horizontal side reach - end mount	27 ft 9 in (8.46 m)	27 ft 8 in (8.43 m)
Height to bottom of basket*	36 ft 9 in (11.19 m)	40 ft 9 in (12.41 m)
Working height*	41 ft 9 in (12.72 m)	45 ft 9 in (13.94 m)
Stowed height*	10 ft 2 in (3.10 m)	10 ft 2 in (3.10 m)
Upper boom articulation in degrees	-14° to 77°	-14° to 77°
Lower boom articulation in degrees	-6° to 90°	-4° to 90°
Standard basket capacity	300 lbs (136 kg)	300 lbs (136 kg)
Maximum basket capacity	400 lbs (181 kg)	400 lbs (181 kg)

UTLI 41A and UTLI 46A 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 with hyd. leveling includes upper and lower controls
 All hoses are enclosed within the booms
 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 filament wound epoxy resin fiberglass
 Lower boom consists of a parallelogram linkage
 Pedestal is welded structure with reservoir mounted inside
 Standard color is UTEM white enamel over an epoxy primer
 Body harness with adjustable length shock absorbing lanyard included

Recommended Chassis Requirements - UTLI 41A

Vehicle GVWR	15,000 lbs
Front axle GAWR	6000 lbs
Rear axle GAWR	11,000 lbs
Frame section modulus	8 in ³
RBM of frame	280,000 in lbs
Approx. weight for stability	12,200 lbs

Controls

Full pressure individual lever locking upper controls
 Turret mounted full pressure lower controls
 Engine stop/start provided with "HM" hydraulics
 Emergency stop is provided at basket controls
 Upper control override is included
 Master switch in chassis cab is provided

Hydraulic Specifications

UTLI 41A operating pressure	2200 PSI (155 kg/cm ²)
UTLI 46A operating pressure	2500 PSI (176 kg/cm ²)
Flow rate	3 GPM (11.4 lpm)
Reservoir capacity w/ sight gauge	15 Gallons (57 l)
Suction strainer mounted in reservoir	100 Mesh
Return line filter with bypass	10 Micron

Optional Equipment

Full pressure single stick upper controls
 Continuous rotation
 Fiberglass baskets with steps and doors
 End mount basket
 Hydraulic tool outlet at basket
 12VDC emergency powered lowering
 Bridge mount pedestal and remote reservoir
 Manual basket rotator
 Hydraulic basket rotator
 Outriggers for increased stability
 Torsion bars for increased stability

Recommended Chassis Requirements - UTLI 46A

Vehicle GVWR	17,500 lbs
Front axle GAWR	6000 lbs
Rear axle GAWR	13,500 lbs
Frame section modulus	8 in ³
RBM of frame	280,000 in lbs
Approx. weight for stability	14,200 lbs



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