## UTEM SKYJACKER

## UJI/UJN3014, UJI/UJN3416, UJI/UJN3818,UJI/UJN4321


(1)

Hydraulic overcenter limit Exclusive 540 degree boom rotation with hourglass worm gear drive Provides smooth and self locking rotation with a mechanical stop
() Upper and lower booms are high strength, low alloy steel Provides low weight and maximum strength

Strength, innovation and service from UTEM
Utility Truck Equipment MFG, L.L.C.

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Dimensional Specifications
Horizontal side reach
Height to bottom of basket ${ }^{1}$
Working height ${ }^{1}$
Stowed height ${ }^{1}$
Upper boom articulation in degrees
Lower boom articulation in degrees
Standard basket capacity

| UJI/N3014 | UJI/N3416 |
| :---: | :---: |
| 15 ft 4 in $(4.67 \mathrm{~m})$ | 17 ft 6 in $(5.33 \mathrm{~m})$ |
| 25 ft 6 in $(7.77 \mathrm{~m})$ | 29 ft 6 in $(8.99 \mathrm{~m})$ |
| 30 ft 6 in $(9.30 \mathrm{~m})$ | 34 ft 6 in $(10.58 \mathrm{~m})$ |

10 ft 4 in (3.15M)
$160^{\circ}$ Relative to the lower boom $-5^{\circ}$ to $95^{\circ}$
350 lbs ( 159 kg )

Standard insulation gap is 42 in ( 1.07 m ) on UJI models
UJI Tested and rated for Category C 46kV and below per ANSI A92.2-2001
UTEM aerials meet or exceed ANSI A92.2-2001 and OSHA requirements
${ }^{1}$ Based on 36 in $(0.91 \mathrm{~m})$ chassis frame height
${ }^{2}$ Add 7 in (.18m) with chassis insulation system

## Mechanical Specifications

$540^{\circ}$ Boom rotation with mechanical stop
Rotation drive is hourglass worm gear acting on a shear ball bearing
Upper control override integral to the lower control valve
Upper control emergency stop integral to the control valve
Basket leveling by chain and rod mechanical system
Hydraulic boom overcenter limit system
Boom cylinders have integral load holding valves
High strength boom pins with greaseable pin bosses
Booms are high strength low alloy steel with 70000 PSI yield
Pedestal is welded structure with reservoir mounted inside
Standard color is UTEM white enamel over an epoxy primer
Body harness with shock absorbing lanyard

Hydraulic Specifications
Operating pressure UJI/N3014
Operating pressure UJI/N3416
Operating pressure UJI/N3818, 4321
Reservoir capacity with sight gauge
Suction strainer mounted in reservoir
Return line filter with bypass

## UJI/N4321

22 ft 5 in ( 6.83 m )
$38 \mathrm{ft} 4 \mathrm{in}^{2}$ (11.68m)
43 ft 4 in $^{2}$ ( 13.21 m )

Optional Equipment

Baskets with molded step or steps
Extended fiberglass section for 78 in (2.0m) insulation gap
Chassis insulation system on UJI3818 and UJI4321
Continuous and unrestricted boom rotation
Manual basket tilt
"EHM" electric/hydraulic drive system
"DPM" dual hydraulic power system
Emergency lowering - 12VDC powered
Bridge mount pedestal and remote reservoir
Hydraulic tool outlet at upper and/or lower controls
Single stick upper controls
Outriggers for increased stability
Torsion bars for increased stability

Minimum Chassis Requirements
Vehicle GVWR
Front axle GAWR
Rear axle GAWR
Frame section modulus
RBM of frame
Approximate weight for stability

UJI/N3014
UJI/N3416
10100 lbs
4000 lbs
7500 lbs
$5.4 \mathrm{in}^{3}$
195k in lbs
7100 lbs

| UJI/N3818 | UJI/N4321 |
| :---: | :---: |
| 10100 lbs | 14500 lbs |
| 4000 lbs | 5000 lbs |
| 7500 lbs | 11000 lbs |
| $5.4 \mathrm{in}^{3}$ | $6.5 \mathrm{in}^{3}$ |
| 195 k in lbs | 234 in lbs |
| 10000 lbs | 11000 lbs |

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UTEM specifications are subject to improvements and change without notice

