

SkyJacker

Non-Overcenter Articulated Aerial Lift

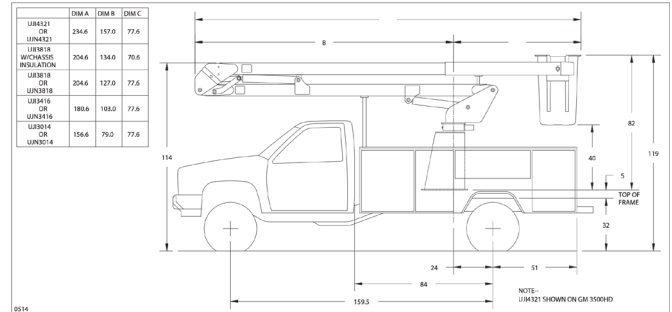
UJI/UJN3015

UJI/UJN3416

UJI/UJN3818

UJI/UJN4321

Insulated or
Non-insulated



The Lift Crews Count On—Day In, Day Out

STRENGTH, INNOVATION & SERVICE FROM UTEM

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

OPTIONAL EQUIPMENT

- + Baskets with step, walk-thru door or chain, and duck-cover
- + Basket liner and covers
- + Extended fiberglass section for 78 in (2.0m) insulation gap
- + Chassis insulation system on UJI3818 and UJI4321
- + Continuous and unrestricted boom rotation
- + Manual or hydraulic basket tilt
- + “EHM” electric/hydraulic drive system
- + “DPM” dual hydraulic power system
- + Emergency lowering - 12/24VDC powered
- + Hydraulic tool outlet at upper and/or lower controls
- + Single stick upper controls
- + Dielectric Category C with Boom Tip Covers
- + Outriggers for increased stability
- + Torsion bars for increased stability

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DIMENSIONAL SPECS	UJI/N3015	UJI/N3416	UJI/N3818	UJI/N4321
Horizontal side reach - overcenter	15 ft 4 in (4.67m)	17 ft 6 in (5.33m)	19 ft 8 in (5.99m)	22 ft 5 in (6.83m)
Height to bottom of basket	25 ft 6 in (7.77m)	29 ft 6 in (8.99m)	33 ft 5 in ² (10.19m)	38 ft 4 in ² (11.68m)
Working height ¹	30 ft 6 in (9.30m)	34 ft 6 in (10.58m)	38 ft 5 in ² (11.71m)	43 ft 4 in ² (13.21m)
Stowed height ¹	10 ft 4 in (3.15m)			
Upper boom articulation in degrees	180° Relative to the lower boom			
Lower boom articulation in degrees	-5° to 95°			
Standard basket capacity	300 lbs (136kg)			
Standard insulation gap is 42 in (1.07m) on UJI models				
UJI tested and rated for Category D 46kV and below per ANSI A92.2-2021				
UTEM aerials meet or exceed ANSI A92.2-2021 and OSHA requirements				

¹Based on 36 in (0.91m) chassis frame height ²Add 7 in (18m) with chassis insulation system

HYDRAULIC SPECIFICATIONS

Operating pressure UJI/N3015	2000 PSI (141kg/cm ²)
Operating pressure UJI/N3416	2200 PSI (155kg/cm ²)
Operating pressure UJI/N3818, 4321	2500 PSI (176kg/cm ²)
Reservoir capacity w/sight gauge	10 Gal (38l)
Suction strainer mounted in reservoir	100 Mesh
Return line filter with bypass	10 Micron

MECHANICAL SPECS

- + 540° 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
- + Pedestal is welded structure with reservoir mounted inside
- + Standard color is UTEM white powder coat
- + Body harness with shock absorbing lanyard
- + Dielectric category D Rating (UJI)

MINIMUM CHASSIS REQUIREMENTS

	UJI/N3015	UJI/N3416	UJI/N3818	UJI/N4321
Vehicle GVWR	10,100 lbs	10,100 lbs	10,100 lbs	14,500 lbs
Front axle GAWR	4,000 lbs	4,000 lbs	4,000 lbs	5,000 lbs
Rear axle GAWR	7,500 lbs	7,500 lbs	7,500 lbs	11,000 lbs
Frame section modulus	5.4 in ³	5.4 in ³	5.4 in ³	6.5 in ³
RBM of frame	195k in lbs	195k in lbs	195k in lbs	234k in lbs
Approximate weight for stability	7,100 lbs	8,800 lbs	10,000 lbs	11,000 lbs

