

UNIQUE TO SKYJACK

EASYDRIVE™

DRIVE & STEER DIRECTION SENSING

A unique feature only utilized by Skyjack - the Boom lift drive function operates in accordance with the general orientation of the turret's counterweight over the chassis (i.e. joystick forward = counterweight facing forward). This provides intuitive operation by allowing the unit to move in the general direction of the joystick's movement.



SKYRISER™

TRUE VERTICAL RISE

SKYRISER™ is common to all Skyjack's AJ booms. The single function riser design ensures that the riser, and main pivot point connecting the main boom to the riser, travel in a straight vertical manner, avoiding any unnecessary machine repositioning.



Rental companies and major contractors face increasing demands for sustainability information. Skyjack has introduced its ECO mark to support our customers by providing products that deliver benefits in environmental performance and long-term sustainability.

Skyjack's Electric boom ECO benefits include:

-  Zero emissions
-  <70 dB inherently quiet machine operation (excl. alarms)
- White noise alarm – *optional*
-  90% recyclable (by weight)
-  Bio-degradeable hydraulic oil – *optional*
-  Telematics – Remote diagnostics reduces site visits (operational carbon foot print)



On each Skyjack machine a QR code provides operators access to critical machine information, including the machine's current state of health, pre-use inspection guides, and familiarization materials.



SJ45 ARJN

ELECTRIC ARTICULATING BOOMS



STANDARD FEATURES

- EASYDRIVE™ Direction sensing drive and steer controls
- SKYRISER™ True vertical rise
- Direct AC electric drive
- Dual spring applied, electromagnetically released brakes
- Speed and angle sensing traction control
- Drivable at full height
- 30% Gradeability
- SKYCODED™ color coded control system
- 48V 360 Ah Battery pack
- Removable front and top battery covers
- Swing out control box and manifold cover
- Proportional controls
- Function speed selector
- Rotating jib (SJ45 ARJN)
- Bolt-in platform railing system
- Lanyard attachment points
- Side-entry sliding mid rail
- Secondary Guarding Electrical (SGE)
- Overload sensing system
- 110V AC Outlet on platform with GFI
- Tilt alarm (3° x 3°) with drive and lift cut-out
- Powered emergency lowering
- Hourmeter
- Operator horn
- All motion alarm
- 355° Non-continuous turret rotation
- Tie down/lifting lugs
- Solid rubber, non-marking tires
- Telematics ready
- 2 Year Gold Leaf Warranty (5 year structural warranty)

WHY SKYJACK?

- ✓ Superior working height of up to 51' (15.54 m)
- ✓ Class leading up-and-over capability – 25' 7" (7.8 m)
- ✓ Machine width that is 12 inches narrower than standard machines in the 45' (13.7 m) height class.
- ✓ The narrow 4' 11" (1.5 m) machine width allows for access through standard double doors and in confined spaces
- ✓ Low stowed height 6' 6" (1.98 m)
- ✓ Features EASYDRIVE™ and SKYRISER™
- ✓ The SJ45 ARJN represents one of the few machines in this class with a rotating jib which provides 180 degree horizontal movement to allow precise positioning of the platform and increased worker productivity

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This brochure is for illustrative purpose only and based on the latest information at the time of printing. Skyjack Inc. reserves the right to make changes at any time, without notice, to specifications, standard and optional equipment. Consult the Operating Maintenance and Parts Manuals for proper procedures. Work platforms have been tested to comply with ANSI and CSA standards as interpreted by Skyjack Inc.

SJ45 AJN/ARJN ELECTRIC ARTICULATING BOOMS

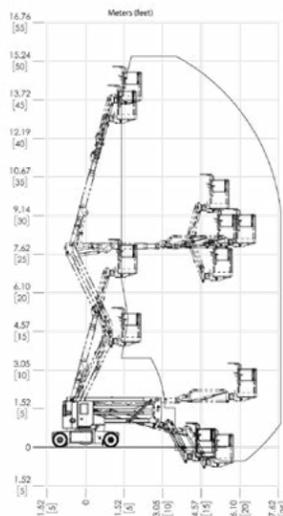
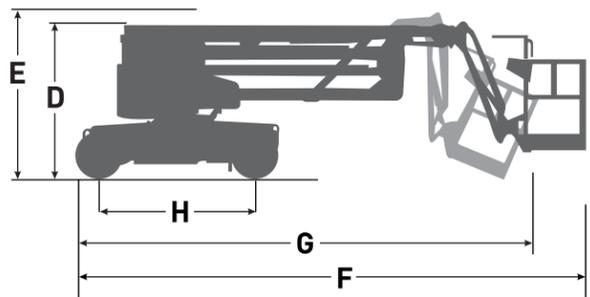
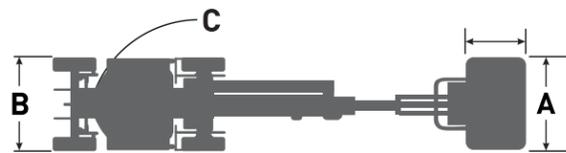
Dimensions	SJ45 AJN	SJ45 ARJN
Work Height	50' 11" (15.52 m)	51' (15.54 m)
Platform Height	44' 11" (13.69 m)	45' (13.72 m)
Horizontal Reach	22' (6.72 m)	22' 5" (6.82 m)
Up and Over Height	25' 7" (7.8 m)	25' 7" (7.8 m)
A Platform Size	30" x 58" (0.76 x 1.47 m)	
B Stowed Width	4' 11" (1.5 m)	4' 11" (1.5 m)
C Tailswing	6" (0.15 m)	6" (0.15 m)
D Stowed Height	6' 6" (1.98 m)	6' 6" (1.98 m)
E Transport Height	6' 6" (1.98 m)	6' 6" (1.98 m)
F Stowed Length	20' 11" (6.37 m)	22' 9" (6.93 m)
G Transport Length	20' (6.11 m)	21' 7" (6.57 m)
H Wheelbase	6' 7" (2 m)	6' 7" (2 m)
Ground Clearance	3" (7.6 cm)	3" (7.6 cm)
Specifications	SJ45 AJN	SJ45 ARJN
Turret Rotation	355° NC	355° NC
Platform Rotation	175°	175°
Jib Length	4' 8" (1.42 m)	4' 8" (1.42 m)
Jib Range of Motion - Vertical	145° (+75° / -70°)	145° (+75° / -70°)
Jib Range of Motion - Horizontal	N/A	180°
Weight	15,063 lbs (6,832 kg)	15,600 lbs (7,076 kg)
Gradeability	30%	30%
Turning Radius (Inside)	3' 8" (1.12 m)	3' 8" (1.12 m)
Turning Radius (Outside)	11' (3.35 m)	11' 4" (3.45 m)
Drive Speed (Stowed)	3 mph (4.8 km/h)	3 mph (4.8 km/h)
Drive Speed (Elevated/Extended)	0.4 mph (0.6 km/h)	0.4 mph (0.6 km/h)
Capacity	500 lbs (227 kg)	500 lbs (227 kg)
Local Floor Load (With Rated Load)	225 psi (15.82 kg/cm ²)	230 psi (16.17 kg/cm ²)
Overall Floor Load (With Rated Load)	483 psf (2357 kg/m ²)	499 psf (2435 kg/m ²)
Ground Bearing Pressure (With Rated Load)	176 psi (12.37 kg/cm ²)	180 psi (12.66 kg/cm ²)
Maximum # of Persons (Indoors/Outdoors)	2 / 1	2 / 1
Wind Rating	28 mph (12.5 m/s)	28 mph (12.5 m/s)
Tire Type	Solid, NM	Solid, NM
Tire Size	600 x 190	600 x 190

ACCESSORYZERS †

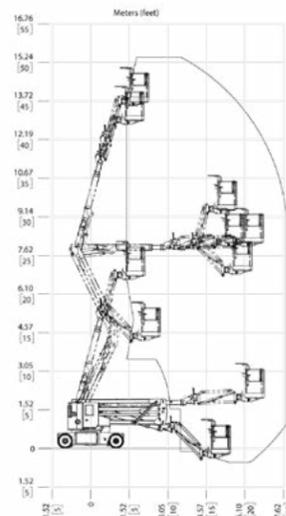
- Tool Caddy
- Control box cover
- LanyardGO

OPTIONS †

- AGM batteries
- Side spring hinged entry gate
- Bio oil
- Non destructive testing
- Flashing light
- White noise alarm
- ELEVATE telematics



SJ45 AJN WORKING ENVELOPE



SJ45 ARJN WORKING ENVELOPE



- Variable speed dual wheel electric drive
- 48V DC Power source – 8x6V, 360Ah
- 30% gradeability
- Dual spring applied, electromagnetically released brakes
- Re-regenerative braking
- Speed and angle sensing traction control
- 28 mph (12.5 m/s) wind rating
- DC Powered emergency lowering
- Solid rubber non-marking tires



SIMPLY MORE

SUPERIOR WORKING HEIGHT CLASS LEADING UP & OVER ACCESS

Skyjack's new SJ45 AJN and SJ45 ARJN battery powered electric articulated slab booms have been developed to provide a clean, quiet, sustainable rental solution with no emissions, lower operating costs and increased utilization.

Featuring a working height up to 50' 11" (15.52 m) and suitable for indoor at outdoor use the SJ45 AJN includes many of the design features you have come to expect from Skyjack. High performance AC electric traction and pump motors deliver high torque power and consistent multi-function capability.

With a machine width that is 12 inches narrower than standard machines in the 45' (13.72 m) height class the range has a platform capacity of 500 lb (227 kg) and with a 4' 8" (1.42 m) jib as standard. The SJ45 AJN and SJ45 ARJN provide class leading up-and-over access capability of 25' 7" (7.8 m), together with outstanding onsite maneuverability and ability to work in confined spaces.

The range remains simple, reliable and provides an environmentally friendly and sustainable choice for rental.

ELECTRIC DRIVE

Skyjack's 50' 11" (15.52 m) electric slab boom range has been designed to offer superior performance in a wide range of indoor and outdoor maintenance, industrial, renovation, and event applications.

Direct electric AC drive features two-wheel motors operating in parallel to maximize gradeability and efficiency, while speed sensing traction control reduces loss of traction and tire scrubbing.

DESIGNED FOR RENTAL

Skyjack became an industry leader by providing machine features that combine durability, quality, and serviceability, making our products world renowned for product reliability.

Our team understands the importance of maximum uptime, so our equipment is designed to provide just that. All major service points are easily accessible, enabling straightforward troubleshooting and repairs.

PRECISION AND MANEUVRABILITY

Variable speed brushless electric drive provides exceptional duty cycles, controllability and consistent power, torque, and traction. Proportional drive and adjustable speed selection lifting controls offer superior jobsite positioning

The compact chassis with a narrow 4' 11" (1.5 m) width allows for access through standard double doors.

STANDARD AND ROTATING JIB

The SJ45 AJN features a standard 4' 8" (1.42 m) jib, while the SJ45 ARJN features a rotating 4' 8" (1.42 m) jib which provides 180 degree horizontal movement to allow precise positioning of the platform and increased worker productivity.



SKYCODED™

At the heart of every Skyjack machine is the proven and simplistic control systems, and the SJ45 AJN and SJ45 ARJN are no different. A single controller system integrates with a color coded and numbered wiring system, making these new Skyjack slab booms easy to service and maintain.

PROTECTION

Steel covers on the turret and the chassis provide robust protection (no plastic covers), and an optional steel control box cover ensures additional protection.

† Standard lead times may be increased when optional equipment is added, consult factory.

‡ Capacities and machine weights may differ when accessories and options are added.