



# Telescopic BOOM LIFTS

## Models

SJ 40T

SJ 45T





T SERIES

1

# Telescopic BOOM LIFTS

SJ 40T  
SJ 45T



SJ 40T ANSI model shown

At Skyjack we engineer a lift solution that is  
**robust, reliable and easy to service,**  
with the lowest life cycle costs

Skyjack's world class product designs provide the best possible value and lowest life cycle costs through unsurpassed reliability and ease of service. The new SJ 40T and SJ 45T boom lifts make no exception to these philosophies, offering innovative design features such as an analog based control system and relay based electrical system.

Anyone familiar with Skyjack's world class Rough Terrain scissor lifts will recognize the axle based 4WD system. There are no wheel motors or torque hubs, and as a result there are no hydraulic hoses left unprotected from job site hazards and the number of potential hydraulic leak sites are reduced. The axle based 4WD system offers unsurpassed traction and terrainability; using a 'Detroit Locker' type differential on the rear axle and limited slip differential (sometimes referred to as Posi-trac) on the front oscillating axle, ensures the least amount of power loss when one or more of the wheels lose traction.

Skyjack's hallmark control and electrical systems, together with an axle based 4WD system, are only a few examples of how Skyjack keeps serviceability and life cycle costs in mind. These models are also packed full of innovative, service friendly features, such as the unique central grease points at the rear of the turret for quick and easy maintenance, as well as easy to adjust (and lock) rotation deflection adjustment located inside the engine side cabinet. The SJ 40T and SJ45T also feature Skyjack's exclusive DIRECTION SENSING controls, which ensure the boom lift will always drive and steer with respect to the operator rather than the orientation of the base.



SJ 45T ANSI model shown





T SERIES

2

# Telescopic BOOM LIFTS

SJ 40T  
SJ 45T

## Axle based 4WD system

offers unsurpassed traction and terrainability

### STANDARD FEATURES

- Axle based drive system
- "Detroit Locker" type rear differential and limited slip front differential
- Diesel engine
- Directional sensing drive and steer control
- Proportional controls
- Drivable at full height
- 8ft. platform with modular railings
- Swing up cowlings for easy access
- Swing out engine tray
- 12V DC auxiliary power
- 360° continuous turret rotation
- Dual wet disc — SAHR brakes
- 12 x 16.5 Grip lug air-filled tires
- Tie down/lifting lugs
- Hourmeter
- Operator horn
- Base controls
- Spring hinged gate full height gate, side entry
- Comprehensive operating, parts and maintenance manuals
- All motion alarm
- 45% gradeability
- Oscillating axle

- Relay based control system
- Color coded and numbered wiring system

### OPTIONS§

- 3.5kw generator
- Welder ready package  
(Includes 12kw hydraulic generator w/oil cooler)
- Welder package  
(Includes 12kw hydraulic generator w/oil cooler and Lincoln V275-s welder)
- Cold weather start kit
- Diesel scrubber
- Hydraulic oil cooler
- Flashing amber light
- Platform work heights
- Airline to platform (1/2")
- Dual fuel engine

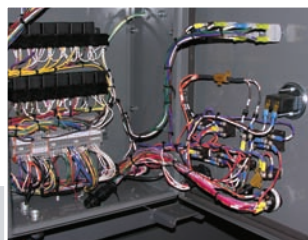
### TIRE OPTIONS

- Grip lug foam-filled tires
- Tire sealant (in standard air-filled tires)
- High flotation air-filled tires

§ Capacities, and machine weights may differ when options are added



Axle based 4WD system



Analog based control system



45% gradeability



Modular platform construction





S45T ANSI model shown





## ANSI & CSA SPECIFICATIONS

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# Telescopic BOOM LIFTS

## ANSI & CSA SPECIFICATIONS

| Technical Specifications             | SJ 40T                               | SJ 45T                   |
|--------------------------------------|--------------------------------------|--------------------------|
| Weight $\Sigma$                      | 14,900 lbs<br>(6,759 kg)             | 15,850 lbs<br>(7,189 kg) |
| Gradeability (4WD) $\Omega$          | 45%                                  | 45%                      |
| Turning Radius (inside) - 4WD        | 9'<br>(2.74 m)                       | 9'<br>(2.74 m)           |
| Turning Radius (outside) - 4WD       | 18'7"<br>(5.66 m)                    | 18'7"<br>(5.66 m)        |
| Axle Oscillation                     | 8"<br>(0.20 m)                       | 8"<br>(0.20 m)           |
| Drive Speed (stowed)                 | 4.5 mph<br>(7.2 km/h)                | 4.5 mph<br>(7.2 km/h)    |
| Drive Speed (raised)                 | 0.5 mph<br>(0.8 km/h)                | 0.5 mph<br>(0.8 km/h)    |
| Capacity $\Sigma$                    | 650 lbs<br>(295 kg)                  | 500 lbs<br>(227 kg)      |
| Local Floor Load (with rated load)   | 136 psi<br>(938 kPa)                 | 137 psi<br>(945 kPa)     |
| Overall Floor Load (with rated load) | 283 psf                              | 292 psf                  |
| Maximum # of Persons                 | 2                                    | 2                        |
| Tire Type                            | Air Filled                           | Air Filled               |
| Tire Size                            | 12 x 16.5                            | 12 x 16.5                |
| Diesel Engine                        | Deutz F3L-2011<br>(oil cooled) 48 HP |                          |
| Fuel Tank Capacity                   | 45 gal.                              |                          |
| Hydraulic Reservoir                  | 59 gal.                              |                          |

| Dimensional Specifications | SJ 40T                       | SJ 45T                       |
|----------------------------|------------------------------|------------------------------|
| Platform Size              | 36" x 96"<br>(0.91 x 2.44 m) | 36" x 96"<br>(0.91 x 2.44 m) |
| Stowed Width               | 90"<br>(2.29 m)              | 90"<br>(2.29 m)              |
| Tailswing                  | 37"<br>(0.94 m)              | 37"<br>(0.94 m)              |
| Stowed Height              | 94"<br>(2.39 m)              | 94"<br>(2.39 m)              |
| Stowed Length              | 25'5"<br>(7.75 m)            | 28'10"<br>(8.79 m)           |
| Wheelbase                  | 96"<br>(2.44 m)              | 96"<br>(2.44 m)              |
| Ground Clearance           | 11"<br>(0.28 m)              | 11"<br>(0.28 m)              |
| Platform Height            | 40'<br>(12.2 m)              | 45'<br>(13.7 m)              |
| Horizontal Reach           | 34'<br>(10.4 m)              | 39'9"<br>(12.1 m)            |
| Rotation                   | 360° Continuous              |                              |
| Platform Rotation          | 170°                         | 180°                         |
| Jib Length                 | -                            | 5"<br>(1.52 m)               |
| Jib Range +/-              | -                            | 75° / 60°                    |

‡ Lift times with rated load

$\Omega$  Gradeability calculated with 1 operator capacity

$\Sigma$  Some capacities are reduced and overall machine weights increased when equipped with deck extensions and/or optional tires - consult factory for details



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This literature is for illustrative purposes only. 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. Specifications are nominal and subject to change without notice.

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