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# Design Philosophy

Skyjack products are designed and engineered to be easy to service and maintain. Keeping the design more simple and using proven technology, ensures the reliability and ease of service common to all Skyjack products. Skyjack Products offer the rental industry's best life cycle value through low cost of ownership, ease of service and maintenance. They retain high residual values.



simply reliable



# Skyjack's TH Series

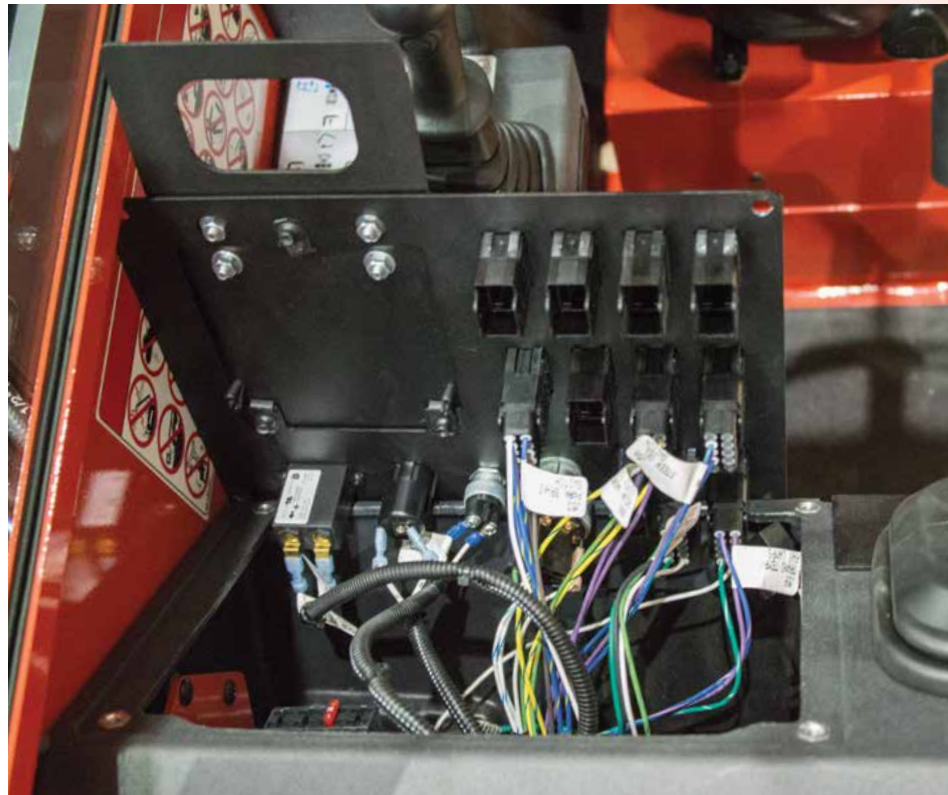
Skyjack's new range of telehandlers extends the principle of simple reliability that has made the company a world leader in aerial work platforms. With simpler rear axle stabilization, hydraulics, outriggers, controls, engine servicing, electronics and option packages...Skyjack gives you the features you need to put loads at height while promoting leading return on investment. All with Skyjack's leading 2 year warranty program.







At the heart of every Skyjack machine, proven and simplistic control systems using Skyjack's color coded and numbered wiring system make our machines the easiest to troubleshoot and repair (No multiplex or CAN Bus components). Using a relay based control system allows Skyjack's Telehandlers to operate with less expensive components - less maintenance and lower costs.







## **FLEX**CAB™

Skyjack's TH series telehandlers feature an innovative cab design that allows fleet operators to easily convert between open and enclosed cabs with simple hand tools, providing increased flexibility for fleet movement and fast response to customer demands. Easily sourced flat glass panels with no custom curved profiles and a bolt-on/bolt-off window retention system ensures minimal downtime and incurred costs for repairing damaged glass in the field.

A standard side glass and rear glass with wiper/washer on open cab machines increases operator comfort through reduced noise levels or thrown site debris while providing a clear rear view with the standard rear wiper/washer.

This new cab design, when combined with the narrow chassis, provides best in class visibility.







1

### 1 CONTROL PANEL

- Simple control panel design consistent with other Skyjack products



### 2 ENGINE MULTI-FUNCTION DISPLAY

- Engine Multi-function display as standard which provides engine diagnostic data with no need for external laptops & engine servicing software. The display shows data on engine temperatures, fuel consumption, loads etc.

2



3

### 3 SEAT

- A standard adjustable suspension provides comfort for operators of a wide range of weights and sizes and removes the need to balance fleet between fixed and suspension seat machines.





## 1 BOOM

- The TH series boom features an externally mounted underslung extension cylinder and top mounted extension chain that allows easy access for service and maintenance. Internal boom hoses, chains and sheaves can be serviced through rear and side access panels with no disassembly of the boom.

## 2 MAIN FRAME

- The strong, simple and narrow main frame provides the TH series with a high strength, reliable platform to weather the day in day out demands of harsh rental environments. The narrow design results in class leading right side and rear visibility; ensuring that the operator can easily see the location of all four wheels.



# READYHOOK™

Skyjack's yoke mounted lifting hook is fitted as standard on TH series telehandlers. With capacities that match the maximum lift capability of the telehandler the hook allows the safe under-slinging of loads and avoids the practice of using the forks as an underslung lifting device.



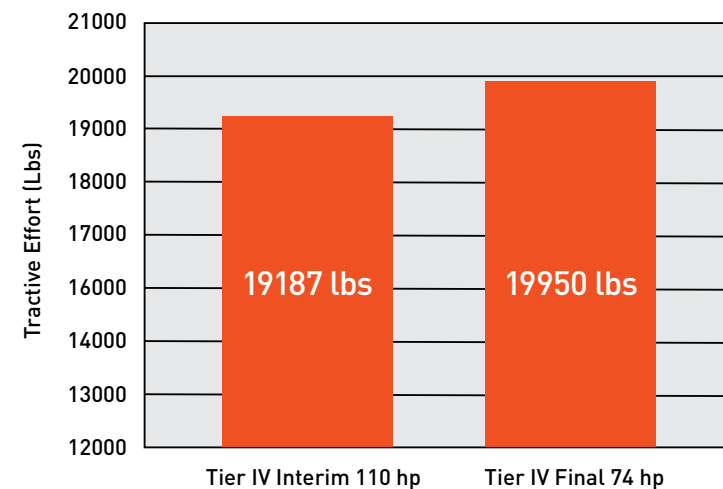


## SMARTORQUE™

Skyjack has consistently approached the issue of emission compliance with the knowledge that rental rates don't just go up with emissions standards cost increases.

To this end the all new Skyjack TH range is engineered to require NO DPF (Diesel Particulate Filter), NO DEF (Diesel Exhaust Fluid) and NO other active exhaust after treatment on standard engines for Tier IV Final. By utilizing improved gearing, high torque engines and a simplified, high efficiency hydraulics package, the TH range is able to employ 74hp engines to deliver the same on-site job performance as higher power units. In addition this allows for improved residual value as a simple more reliable machine competes positively with active emission controls. This solution is much more than the simple use of a 74hp engine and involves optimizing gearing and axle ratios, utilizing an enhanced torque convertor optimization and the development of other synergies through the use of Deutz engines, Dana powershift transmission and Dana axles.

Previous Gen vs. New Gen  
1056 Tractive Effort







While still packing fully-loaded potential gradeabilities of 50% for SJ1056 TH to 63% for SJ843 TH and no increase in hydraulic function times, the SJ TH range delivers all the job site functionality expected of a rough terrain telehandler, requiring only a trade-off in 3rd gear travel performance on 10K models. Those with a need for higher speeds can select the optional 107hp power plant which uses only a DEF after treatment system with no DPF requirement for SJ1044 TH and SJ1056 TH. Decreased complexity means decreased down time.

Why pay for what you don't need ? - 74hp means... NO DEF requirement, NO additional engine and exhaust sensors, NO complicated engine programming and computer logic, NO SCR (Selective Catalytic Reduction).

Finally, an oversized engine bay allows access to engine and transmission service points. Strong and well-supported fiber glass cowlings minimize costs, unlike plastic cowlings, they are fully repairable in the event of accidental damage.



## AXLDRIVE™

Skyjack's mechanical "axle based" drive system gives positive traction and excellent rough ground "terrain-ability". This industry leading terrain capability means one can use the Skyjack Telehandlers in the most challenging of conditions.



TELEHANDLERS

INDUSTRY LEADING TERRAIN-ABILITY

simply reliable



# ZB2044

Skyjack's ZB2044 is in a class of its own. With a maximum capacity of 20,000 lbs. (9,072 kg), the ZB2044 features a three-section boom for a lift height of 44' 10" (13.67 m). Robust, rugged, and reliable, the ZB2044 offers unparalleled jobsite productivity, and its superior maneuverability make it the perfect substitute for heavy cranes and handlers.

## Designed for easy access

Engine cover panels and body panels allow for full and easy access to engine and hydraulic components. All steel covers add to the robust and durable design.



## Operator Cab

Deluxe suspension seat and tilting control stick console provide precision boom control.



## Boom linkage accessibility

Boom arm linkage is easily accessible by removal of boom cover plate for grease maintenance and troubleshooting.



## Robust steel construction

Thick steel construction contributes to the brute, robust and durable design of the ZB2044.



# ACCESSORYZERS™

Skyjack offers a full line of accessories to enhance product versatility. These factory-approved accessories are designed to add functionality to your machine and convenience for the operator. Whether it is helping you get materials to the work site, protecting equipment from the weather, or enhancing productivity, Skyjack has the right accessory.

## TH Series

48", 60" and 72" standard tapered forks  
48" or 60" fully tapered forks  
72" swing carriage  
positive air shut off valve  
48", 60" and 72" side tilting carriage  
foam filled tires  
open cab  
pintle hitch  
rotating beacon  
closed cab with AC  
service convenience package  
48", 60" and 72" standard quick attach carriage  
work light package  
reserve brake system  
boom light package  
1.75 cubic yard bucket  
airless tires  
15' truss boom  
air filled tires



## ZB2044

2.0 cubic yard light material handling bucket  
rotating beacon  
72" side shift carriage and dual hydraulic fork positioner  
front and rear turn signals with flashers  
72" or 84" dual hydraulic fork positioner  
boom light package  
2 3/4" x 6" x 72" forks  
road light package  
rotating pipe and pole manipulator  
2 3/4" x 6" x 96" forks  
front and rear fenders  
bridge stripper  
fully enclosed operator cab  
work light package  
pipe and pole clamp  
foam filled tires  
lighting kit with guards  
5' jib boom  
2 3/4" x 6" x 60" forks  
hydraulic winch  
extra operating light with guard  
open cab  
mine package



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[www.skyjack.com](http://www.skyjack.com)

**Skyjack North America, Head Office**

55 Campbell Road,  
Guelph, ON Canada N1H 1B9  
Sales Inquiries: 1-877-755-4387  
(1-877-SJLIFTS)  
Main Switchboard: 1-800-265-2738  
Phone: 519-837-0888  
Fax: 519-837-8104

**Skyjack Financial Services**

Howell, MI USA  
Phone: 517-579-5240  
Toll Free: 877-645-3273  
Fax: 517-579-2550

Guelph, ON CANADA  
Phone: 519-837-0888 ext 5902  
Toll Free: 800-265-2738 ext 5902  
Fax: 519-837-3102



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