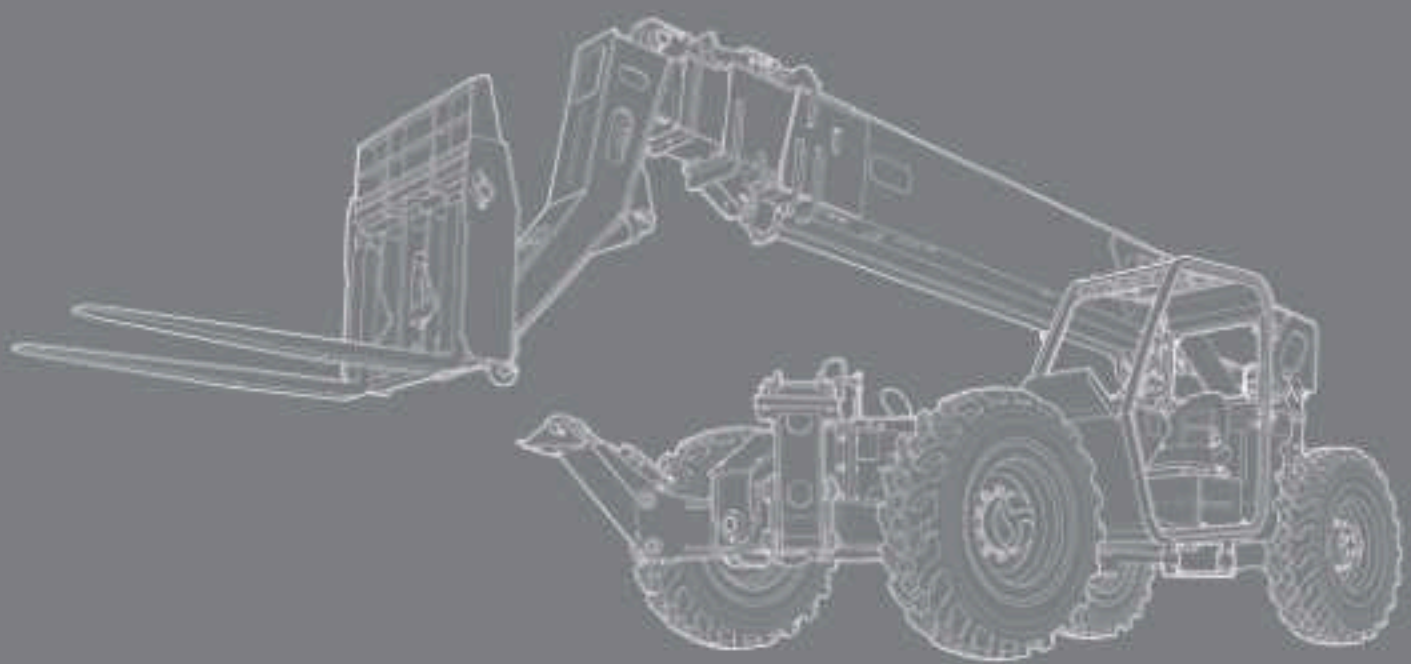
SKYJACK

OPERATING MANUAL

SJ1256 THS

TELEHANDLER



205161AHA
July 2021
ANSI/CSA

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Table of Contents

Section 1 – About Your Telehandler 9

1.1 **Read and Heed 9**

1.1-1 Telehandler Definition 9

1.1-2 Purpose of Equipment 9

1.1-3 Use of Equipment 9

1.1-4 Manual 9

1.1-5 Operator 9

1.1-6 Service Policy and Warranty 9

1.1-7 Ownership of Machine 9

1.1-8 Optional Accessories 9

1.1-9 Scope of this Manual 9

1.2 **Symbols & Nomenclature 11**

1.3 **Forklift Hand Signals 11**

1.4 **Major Assemblies 12**

1.5 **Serial Number Nameplate 12**

1.6 **Operator's Responsibility for Maintenance 13**

1.6-1 Maintenance and Inspection Schedule 13

1.6-2 Owner's Inspections 13

Section 2 – Operator Safety 15

2.1 **Electrocution Hazard 15**

2.2 **Safety Precautions 16**

2.3 **Cab Access 20**

2.4 **Jobsite Inspection 20**

Section 3 – Familiarization 21

3.1 **Component Identification 22**

3.2 **Manual Storage Box 23**

3.3 **Control Functions 23**

3.3-1 Operator's Cab Controls 23

3.3-2 Standard Multi-functional Joystick 24

3.3-3 Premium Multi-functional Joystick (If Equipped) 25

3.3-4 Operator's Cab Dash Controls 26

3.4 **Safety Features and Devices 29**

3.4-1 Reverse Alarm 29

3.4-2 Parking Brake 29

3.4-3 Operator's Cab 29

3.4-4 Operator's Seat 29

MidWestTech | Skyjack SJ1256 THS Telehandler Operating Manual | Publication 205161A... Order the manual at mid-west-tech.com >

3.4-5 RAS (Rear Axle Stabilization) System . . . 29
3.4-6 Boom Interlock . . . 30
3.4-7 Frame Level . . . 30
3.5 General Components . . . 30
3.5-1 Outriggers . . . 30
3.6 Optional Equipment . . . 31
3.6-1 Positive Air Shutoff Switch (If Equipped) . . . 31
3.6-2 Reserve Braking System (If Equipped) . . . 31
3.6-3 Flashing Beacon (If Equipped) . . . 31
3.6-4 Road Lights, Boom Lights & Work Lights (If Equipped) . . . 31
3.6-5 Fire Extinguisher (If Equipped) . . . 31
3.6-6 Back-up Sensor with Display Buzzer (If Equipped) . . . 31
3.6-7 Back-up Sensor/Camera with Monitor (If Equipped) . . . 32
3.7 Optional Attachments . . . 33
3.7-1 Side Tilt Carriage . . . 33
3.7-2 Swing Carriage . . . 33
3.7-3 Block Forks . . . 34
3.7-4 Jib Boom . . . 34
3.7-5 Loader Bucket . . . 35
3.7-6 Truss Boom . . . 35
3.7-7 Fork Positioner . . . 36

Section 4 – Pre-operation . . . 37
4.1 Operator's Responsibility . . . 37
4.2 Visual & Daily Maintenance Inspections . . . 38
4.2-1 Labels . . . 38
4.2-2 Electrical . . . 38
4.2-3 Hydraulic . . . 38
4.2-4 Cylinders . . . 38
4.2-5 Mirrors . . . 39
4.2-6 Frame . . . 39
4.2-7 Engine Compartment . . . 42
4.2-8 Transmission . . . 42
4.2-9 Boom . . . 43
4.2-10 Lifting Attachment . . . 43
4.2-11 Grease Fittings . . . 43
4.2-12 Operator's Cab . . . 44
4.2-13 Operator's Cab Controls . . . 45
4.3 Function Tests . . . 46
4.3-1 Test Starter Operation . . . 46
4.3-2 Test Horn . . . 47
4.3-3 Test Lights (If Equipped) . . . 47
4.3-4 Test Boom Functions . . . 48

MidWestTech | Skyjack SJ1256 THS Telehandler Operating Manual | Publication 205161A... Order the manual at mid-west-tech.com >

4.3-5 Test Attachment Functions . . . 48
4.3-6 Test Frame Leveling and Level Indicator . . . 49
4.3-7 Test Boom Interlock & Rear Axle Stabilization (RAS) System . . . 49
4.3-8 Test Accelerator Pedal . . . 50
4.3-9 Test Reverse Alarm, Driving & Service Brake . . . 50
4.3-10 Test Parking Brake . . . 51
4.3-11 Test Steering . . . 51
4.3-12 Test Outriggers . . . 53
4.3-13 Test Back-up Sensor with Display Buzzer (If Equipped) . . . 53
4.3-14 Test Back-up Sensor/Camera with Monitor (If Equipped) . . . 53
4.4 Operator's Checklist . . . 54

Section 5 – Operation . . . 55

5.1 Starting the Engine . . . 56
5.2 Driving the Telehandler . . . 56
5.2-1 Driving on Level Terrain . . . 56
5.2-2 Driving on Slopes . . . 56
5.3 Steering the Telehandler . . . 57
5.3-1 Four-wheel Steering . . . 57
5.3-2 Front Steering (Two-Wheel) . . . 57
5.3-3 Crab Steering . . . 57
5.4 Operating the Boom . . . 58
5.4-1 Raising or Lowering Boom . . . 58
5.4-2 Extending or Retracting Boom . . . 58
5.5 Leveling the Telehandler . . . 58
5.6 Tilting the Attachment . . . 58
5.7 Handling Loads . . . 58
5.8 Handling Loads at Ground Level . . . 59
5.8-1 Picking up a Load . . . 59
5.8-2 Transporting a Load . . . 59
5.8-3 Placing a Load . . . 60
5.9 Handling Loads at Variable Heights . . . 60
5.9-1 Picking up a Load . . . 60
5.9-2 Placing a Load . . . 60
5.10 Parking and Shutting Down the Telehandler . . . 61
5.11 DEUTZ Engine Data Display Module . . . 62
5.11-1 Function Buttons . . . 62
5.11-2 Contrast & Illumination Settings . . . 62
5.11-3 Engine Main Display . . . 62
5.11-4 Quad Display . . . 63
5.11-5 Graphic Display . . . 63
5.11-6 Error Messages . . . 63
5.11-7 Display Configuration . . . 64

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1.6 Operator's Responsibility for Maintenance

⚠ WARNING

Maintenance must be performed by trained and competent personnel who are familiar with mechanical procedures.

Death or serious injury could result from the use of a telehandler that is not properly maintained or kept in good working condition.

The operator must be sure that the telehandler has been properly maintained and inspected before using it.

The operator must perform all the daily inspections and function tests found on the Operator's Checklist (see Section 4.4), even if the operator is not directly responsible for the maintenance of this telehandler.

1.6-1 Maintenance and Inspection Schedule

Refer to Service manual for quarterly (or 250 hours) and annual inspection details.

The actual operating environment of the telehandler may affect the maintenance schedule.

⚠ WARNING

Use original or manufacturer-approved parts and components for the telehandler.

NOTE

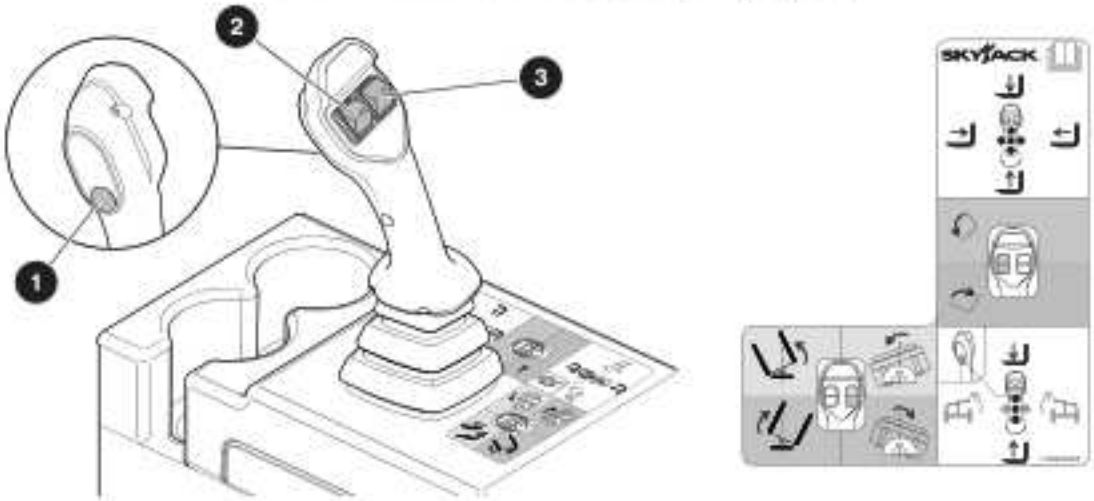
Refer to Skyjack's website www.skyjack.com *for the latest service bulletins prior to performing frequent/ periodic or annual inspections.*

1.6-2 Owner's Inspections

It is the responsibility of the owner and/or operator to arrange daily, quarterly (or 250 hours) and annual inspections of the telehandler. Refer to the Service manual for recommended maintenance and inspection areas and intervals.

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Premium Multi-functional Joystick (If Equipped)



3.3-3 Premium Multi-functional Joystick (If Equipped)

This dual-axis lever is a multi-functional control that includes the following additional controls:

❶ Frame Level Enable Switch

❷ Attachment Tilt Switch

❸ Auxiliary Function Switch

These controls allow boom operation (extend or retract and up or down), frame leveling, fork tilt, and auxiliary functions such as carriage side tilt or carriage swing. The lever returns to neutral position when released.

- **Raise the boom** by moving joystick backward .
- **Lower the boom** by moving the joystick forward .
- **Extend the boom** by moving the joystick to the right . **Retract the boom** by moving the joystick to the left .
- **Tilt attachment forward** by holding attachment tilt switch up. **Tilt attachment backwards** by holding attachment tilt switch down.
- **Frame level right** by pressing and holding frame level enable switch and moving joystick to the right . **Frame level left** by pressing and holding frame level enable switch and moving joystick to the left .
- **Left auxiliary function** and **right auxiliary function** (if equipped) are operated by pressing and holding the auxiliary function switch up or down. Hold up for a "left" function, and hold down for a "right" function.

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Table 7.2 Specifications and Features

Model		SJ1256 THS
Standard Engine		
Type		Deutz 3.6 L Tier 4 Final
Cylinders		4
Horsepower @ 2300 RPM		107 HP
Capacity		219 cu in (3600 cm³)
Torque @ 1300 RPM		288 lb ft (390 N-m)
Idle Speed*		1100 – 1150 RPM
Fuel type		Diesel
Transmission		
Powershift	Type	Powershift with soft shift
	Speeds forward	3
	Speeds reverse	3
CVT	Type	Continuously Variable Transmission - Two Range Powershift
	Speeds forward	2
	Speeds reverse	1
Travel Speeds		
Powershift	Range 1	0–4 mph (1–7 km/h)
	Range 2	5–8 mph (8–13 km/h)
	Range 3	9–15 mph (14–24 km/h)
CVT	Range	0-14 mph (1-23 km/h)
Electrical		
Negative ground		12 Volts
Alternator		60 Amps
Battery		900 Amps
Backup Alarm		107 DBM
Dimensions		
Wheelbase		133 in (337.8 cm)
Overall width		8 ft 6 in (259.1 cm)
Overall height		8 ft 7 in (261.6 cm)
Overall length (less forks)		22 ft 10 in (697 cm)
Ground clearance		19 in (48.3 cm)
Maximum weight without attachment		33,482 lb (15,188 kg)
Turn radius (inside)		73 in (185.4 cm)
Turn radius (outside)		173 in (439.4 cm)
Boom		
Number of sections		4
Maximum lift height		56 ft 3 in (17.15 m)
Maximum forward reach		42 ft 4 in (12.90 m)
Standard Forks		2.25 in x 5 in x 48 in (standard tapered forks)
Carriage rollback		20°
Carriage forward tilt		92.5°

** Engine idle speed is measured with 5% droop when in gear.* *1231AB*

*** Add 400 lb (181.437 kg) to the maximum weight for machines with CVT*

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KNOW the weight of the load you are transporting. Never lift more than the lifting capacity at any given extension or elevation of the boom as listed on the capacity charts.



CHECK for cracks and signs of stress.



BE AWARE of the telehandler's travel envelope, especially when turning. Keep sufficient clearance at all times between the telehandler and any obstacles or people.



WALK AROUND the telehandler before operation and check for any visible signs of damage or malfunction.



ALWAYS maintain three points of contact when entering vehicle. Use provided hand-holds and steps only.



CHECK for clearance before traveling between obstacles.



ALWAYS wear your seat belt when operating this vehicle.



DRIVE DOWNHILL UNLOADED. Without a load, the back end is the heaviest part of the telehandler. Driving downhill decreases potential for tip-over.



DRIVE UPHILL LOADED. When holding a load, driving uphill decreases potential for load to slip out.



LEVEL FRAME ON SLOPES before elevating the boom.



WHEN TRANSPORTING LOADS fully retract the boom, keep the load low to the ground and forks tilted back slightly. This is the most stable position possible for the vehicle.



KEEP forks close to the ground when in motion to increase telehandler stability and decrease potential for injury to others. When fully stopped, lower forks completely to the ground.



TILT forks backward slightly when traveling to decrease potential of load slipping off.



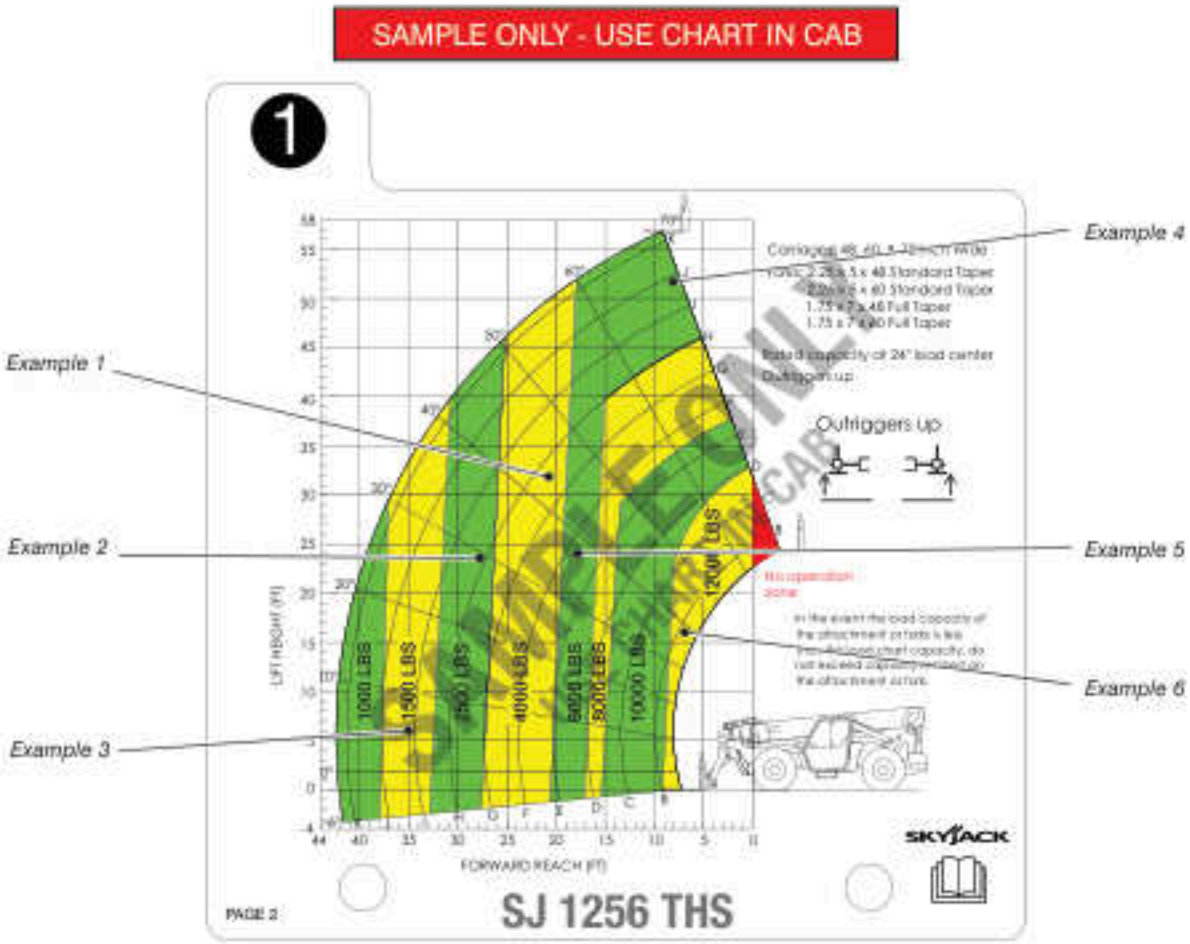
SECURE loose loads with chains or straps to decrease potential of spills or injury to others.

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5.12-1 Examples on Reading the Capacity Chart

The Operator must verify that the capacity chart corresponds with both telehandler and attachment model number.

The following scenarios show various conditions the operator may encounter:



Examples	Load Weight	Forward Reach	Lift Height	Boom Angle	Boom	Capacity	OK to Lift
1	2500 lb	21 ft	32 ft	43°	G	4000 lb	YES
2	2700 lb	28 ft	24 ft	28°	H	2500 lb	NO
3	1700 lb	35 ft	6 ft	6°	I	1500 lb	NO
4	3500 lb	8 ft	52 ft	69°	I	6000 lb	YES
5	6500 lb	18 ft	24 ft	36°	E	6000 lb	NO
6	9700 lb	7 ft	16 ft	39°	A	12000 lb	YES

NOTE

This is a sample capacity chart only! DO NOT use this capacity chart. Use chart inside cab.

NOTE

If the intersection occurs on a bold line separating the capacity regions, the smaller of the two capacity values must be used.

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