

OPERATING MANUAL (ANSI/CSA)

DC ELECTRIC SCISSORS

MODELS SJIII 3215 SJIII 3219 SJIII 3220 SJIII 3226 SJIII 4620 SJIII 4626 SJIII 4632

159175AEA November 2022

SKYJACK

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Table of Contents

Section 1 - About Your Aerial Platform 5
Read and Heed 5
Safety Rules 6

Section 2 - Familiarization 13
2.1 Familiarization of SJIII Series 13
2.2 Component Identification 14
2.3 Visual & Daily Maintenance Inspections 18
2.4 Function Tests 25
2.5 Winching and Towing Procedures 32
2.6 Emergency Lowering Procedure 34

Section 3 - Operation 35
3.1 General 35
3.2 Major Components 36
3.3 Major Assemblies 37
3.4 Serial Number Nameplate 37
3.5 Component Identification 38
3.6 Component Identification (Optional Equipment/Attachments) 41
3.7 Operator's Responsibility 44
3.8 Start Operation 45
3.9 Guardrail Folding Procedure 50
3.10 Loading/Unloading 52
3.11 Moving the Aerial Platform Through a Doorway 54
3.12 Maintenance Support Procedure 56
3.13 Battery Maintenance 57

Section 4 - Tables 61
Table 4.1 Standard and Optional Features - ANSI/CSA 61
Table 4.2 Owner's Annual Inspection Record 62
Table 4.3a Specifications and Features 63
Table 4.3b Specifications and Features 64
Table 4.4 Floor Loading Pressure 65
Table 4.5 Maximum Platform Capacities (Evenly Distributed) 67
Table 4.6 Maintenance and Inspection Schedule 68
Table 4.7 Operator's Checklist 69

Section 5- Labels 71

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3.8-3 To Activate Platform Control Console

1. Turn main power disconnect switch to "|"on position.
2. On base control console, pull out "●" emergency stop button.
3. Select off/platform/base key switch to "⛟" platform position.

⚠ WARNING

Ensure that you maintain three points of contact when using the ladder to mount/ dismount platform.

4. Use the ladder of aerial platform to access platform.
5. Close the gate.
6. On platform control console, pull out "●" emergency stop button.

3.8-4 To Raise or Lower Platform Using Platform Control Console

⚠ WARNING

Be aware of overhead obstructions or other possible hazards around the aerial platform when lifting.

⚠ WARNING

Do not lower the platform unless the area below is clear of personnel and obstructions.

1. Activate platform control console (refer to Section 3.8-3).
2. Select lift/off/drive switch to "↕" lift position.
3. Activate and hold "⛑" enable trigger switch.
4. Move controller handle forward or backward until desired height is reached.

NOTE

Lowering is not proportional.

5. Return controller to neutral center position to stop. Release "⛑" enable trigger switch.

⚠ WARNING

To protect against unintended movement of the aerial platform, push in the emergency stop button after you have arrived at your desired location or elevation.

NOTE

If the tilt alarm sounds and the platform does not, or only partially raises, immediately lower the platform completely and ensure that the aerial platform is on a firm level surface.

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Table 4.5 Maximum Platform Capacities (Evenly Distributed)

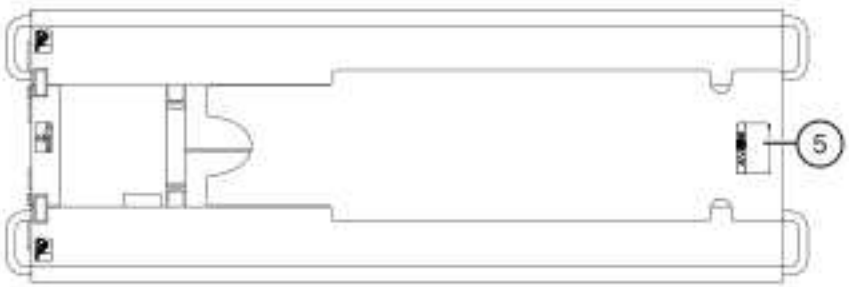
MODEL	Manual Extension Platform				Powered Extension Platform				Maximum Wind Speed	Tilt Cutout Setting (Degrees)
	Total Capacity		Extension Capacity		Total Capacity		Extension Capacity			
3215	600 lb. 272 kg	2 Persons	250 lb. 113 kg	1 Person	N/A				28 mph 12.5 m/s	1.5 x 3.5
3219	550 lb. 249 kg	2 Persons	250 lb. 113 kg	1 Person	N/A				28 mph 12.5 m/s	1.5 x 3.5
3220	900 lb. 408 kg	2 Persons	300 lb. 136 kg	1 Person	800 lb. 363 kg	2 Persons	300 lb. 136 kg	1 Person	28 mph 12.5 m/s	1.5 x 3.5
3226	500 lb. 227 kg	2 Persons	250 lb. 113 kg	1 Person	N/A				28 mph 12.5 m/s	1.5 x 3.5
4620	1300 lb. 590 kg	3 Persons	300 lb. 136 kg	1 Person	1300 lb. 590 kg	3 Persons	300 lb. 136 kg	1 Person	28 mph 12.5 m/s	2.5 x 4.5
4626	1000 lb. 454 kg	3 Persons	300 lb. 136 kg	1 Person	1000 lb. 454 kg	3 Persons	300 lb. 136 kg	1 Person	28 mph 12.5 m/s	2.5 x 4.5
4632	700 lb. 318 kg	2 Persons	250 lb. 113 kg	1 Person	N/A				28 mph 12.5 m/s	2.5 x 4.5

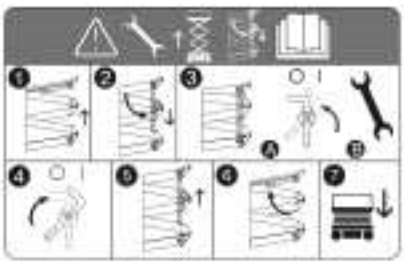
S.III T4 SAC - 133173AM

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Labels and Nameplates - Models 3220, 3226 & 46xx

Top View (Continue)



No.	Label Pictorial	Description
5		**How to engage maintenance support for inspection or maintenance.** Refer to Operating manual. 1. Raise platform until there is adequate clearance to swing down maintenance support. 2. Swing maintenance support down from storage bracket into a vertical position. Lower platform until the bottom end of maintenance support rests on the lower cross bar. 3. Maintenance support is now secured. (A) Turn main power disconnect switch to off position. (B) Perform inspection/maintenance. 4. Turn main power disconnect switch to on position. 5. Raise platform until there is adequate clearance to swing up maintenance support. 6. Swing maintenance support up and place into storage bracket. 7. Ensure platform is fully lowered.

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Table 4.4 Floor Loading Pressure

MODEL		Total Aerial Platform Weight		Total Aerial Platform Load					
				Wheel		LCP**		OUP**	
		lb.	kg	lb.	kg	psi	KPa (kN/m²)	psf	KPa (kN/m²)
3215	min*	2400	1089	960	435	100	689.5	160	7.5
	max*	3000	1361	1200	544	110	758.5	200	9.5
3219	min*	2580	1170	1032	468	100	689.5	170	8.0
	max*	3130	1420	1252	568	110	758.5	210	10.0
3220	min*	3400	1542	1396	633	110	758.5	175	8.5
	max*	4299	1950	1936	878	130	896.5	245	11.5
3226	min*	4100	1860	1644	746	120	827.5	210	10.0
	max*	4610	2091	1844	836	130	896.5	235	11.5
4620	min*	4100	1860	1640	744	191	1316.9	146	7.0
	max*	5620	2549	2251	1021	222	1530.6	199	9.5
4626	min*	4700	2132	1880	853	206	1420.3	168	8.0
	max*	5920	2685	2370	1075	224	1544.4	210	10.1
4632	min*	5075	2302	2030	921	208	1434.1	180	8.6
	max*	5775	2620	2310	1048	223	1537.5	205	9.8

SJIII T4.4AE - 133173AM

* **min** - Total aerial platform weight with no options

max - Aerial platform weight + all options + full capacity

** **LCP - Locally Concentrated Pressure** is a measure of how hard the aerial platform presses on the areas in direct contact with the floor. The floor covering (tile, carpet, etc.) must be able to withstand more that the indicated values above.

OUP - Overall Uniform Pressure is a measure of the average load the aerial platform imparts on the whole surface directly underneath it. The structure of the operating surface (beams, etc.) must be able to withstand more than the indicated values above.

NOTE:

The **LCP** or **OUP** that an individual surface can withstand varies from structure to structure and is generally determined by the engineer or architect for that particular structure.

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Safety Precautions

Know and understand the safety precautions before going on to next section.

⚠ WARNING

Failure to heed the following safety precautions could result in tip over, falling, crushing, or other hazards leading to death or serious injury.

- **KNOW** all national, state or territorial/provincial and local rules which apply to your aerial platform and jobsite.
- **TURN** main power disconnect switch "○" off when leaving the aerial platform unattended. Remove the key to prevent unauthorized use of the aerial platform.
- **WEAR** all the protective clothing and personal safety devices issued to you or called for by job conditions.
- **DO NOT** wear loose clothing, dangling neckties, scarves, rings, wristwatches or other jewelry while operating this lift.



- **AVOID** entanglement with ropes, cords or hoses.



- **AVOID** falling. Stay within the boundaries of the guardrails.



- **DO NOT** raise the aerial platform in windy or gusty conditions.



- **DO NOT** increase the lateral surface area of the platform. Increasing the area exposed to the wind will decrease aerial platform stability. Avoid tenting.



- **DO NOT** drive elevated on a soft or uneven surface.



- **DO NOT** elevate the aerial platform if it is not on a firm, level surface.
- **DO NOT** drive elevated near depressions or holes of any type, loading docks, debris, drop-offs or surfaces that may affect the stability of the aerial platform.



- **IF OPERATION IN AREAS WITH HOLES OR DROP-OFFS IS ABSOLUTELY NECESSARY**, elevated driving shall not be allowed. Position the aerial platform horizontally only with the platform fully-lowered. After ensuring that all 4 wheels or outriggers (if equipped) have contact with a firm, level surface, the aerial platform can be elevated. After elevation, the drive function must not be activated.



- **DO NOT** elevate or drive elevated on a slope. Elevated driving must be done on a firm, level surface.
- **DO NOT** ascend or descend a grade when elevated. When fully-lowered, ascend or descend grades up to maximum rated inclines listed in Table 4-3a and Table 4-3b.



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