

General Safety

1293165

⚠ DANGER	⚠ WARNING	⚠ WARNING
<p>Tip-over Hazard Tipping over the machine will result in death or serious injury.</p>	<p>Fall Hazard Failure to use fall protection can result in death or serious injury.</p>	<p>Electrocution Hazard Death or injury can result from contacting electric power lines.</p>
<p>Only use the safety harness, lanyard, and anchor points when working on a scissor lift.</p>	<p>Do not sit, stand or climb on the platform. Qualified fall arrest or ground anchors.</p>	<p>Always use the correct distribution of floor plates. Always use the correct distribution of floor plates. Always use the correct distribution of floor plates.</p>

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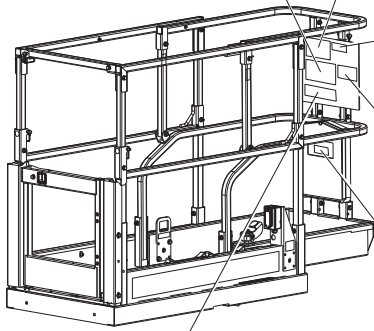
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<p>Electrocution Hazard Death or injury can result from contacting electric power lines. Always contact the electric power line owner. The electric power shall be disconnected or the power lines moved or isolated before machine operation begins.</p>	<table border="1"> <thead> <tr> <th>Configuration</th> <th>Rated Capacities</th> </tr> </thead> <tbody> <tr> <td>20' (6.1m)</td> <td>1100 (2400)</td> </tr> <tr> <td>22' (6.7m)</td> <td>1100 (2400)</td> </tr> <tr> <td>24' (7.3m)</td> <td>1100 (2400)</td> </tr> <tr> <td>26' (7.9m)</td> <td>1100 (2400)</td> </tr> <tr> <td>28' (8.5m)</td> <td>1100 (2400)</td> </tr> <tr> <td>30' (9.1m)</td> <td>1100 (2400)</td> </tr> <tr> <td>32' (9.7m)</td> <td>1100 (2400)</td> </tr> <tr> <td>34' (10.3m)</td> <td>1100 (2400)</td> </tr> <tr> <td>36' (10.9m)</td> <td>1100 (2400)</td> </tr> <tr> <td>38' (11.5m)</td> <td>1100 (2400)</td> </tr> <tr> <td>40' (12.1m)</td> <td>1100 (2400)</td> </tr> <tr> <td>42' (12.7m)</td> <td>1100 (2400)</td> </tr> <tr> <td>44' (13.3m)</td> <td>1100 (2400)</td> </tr> <tr> <td>46' (13.9m)</td> <td>1100 (2400)</td> </tr> <tr> <td>48' (14.5m)</td> <td>1100 (2400)</td> </tr> <tr> <td>50' (15.1m)</td> <td>1100 (2400)</td> </tr> <tr> <td>52' (15.7m)</td> <td>1100 (2400)</td> </tr> <tr> <td>54' (16.3m)</td> <td>1100 (2400)</td> </tr> <tr> <td>56' (16.9m)</td> <td>1100 (2400)</td> </tr> <tr> <td>58' (17.5m)</td> <td>1100 (2400)</td> </tr> <tr> <td>60' (18.1m)</td> <td>1100 (2400)</td> </tr> <tr> <td>62' (18.7m)</td> <td>1100 (2400)</td> </tr> <tr> <td>64' (19.3m)</td> <td>1100 (2400)</td> </tr> <tr> <td>66' (19.9m)</td> <td>1100 (2400)</td> </tr> <tr> <td>68' (20.5m)</td> <td>1100 (2400)</td> </tr> <tr> <td>70' (21.1m)</td> <td>1100 (2400)</td> </tr> <tr> <td>72' (21.7m)</td> <td>1100 (2400)</td> </tr> <tr> <td>74' (22.3m)</td> <td>1100 (2400)</td> </tr> <tr> <td>76' (22.9m)</td> <td>1100 (2400)</td> </tr> <tr> <td>78' (23.5m)</td> <td>1100 (2400)</td> </tr> <tr> <td>80' (24.1m)</td> <td>1100 (2400)</td> </tr> <tr> <td>82' (24.7m)</td> <td>1100 (2400)</td> </tr> <tr> <td>84' (25.3m)</td> <td>1100 (2400)</td> </tr> <tr> <td>86' (25.9m)</td> <td>1100 (2400)</td> </tr> <tr> <td>88' (26.5m)</td> <td>1100 (2400)</td> </tr> <tr> <td>90' (27.1m)</td> <td>1100 (2400)</td> </tr> <tr> <td>92' (27.7m)</td> <td>1100 (2400)</td> </tr> <tr> <td>94' (28.3m)</td> <td>1100 (2400)</td> </tr> <tr> <td>96' (28.9m)</td> <td>1100 (2400)</td> </tr> <tr> <td>98' (29.5m)</td> <td>1100 (2400)</td> </tr> <tr> <td>100' (30.1m)</td> <td>1100 (2400)</td> </tr> </tbody> </table>	Configuration	Rated Capacities	20' (6.1m)	1100 (2400)	22' (6.7m)	1100 (2400)	24' (7.3m)	1100 (2400)	26' (7.9m)	1100 (2400)	28' (8.5m)	1100 (2400)	30' (9.1m)	1100 (2400)	32' (9.7m)	1100 (2400)	34' (10.3m)	1100 (2400)	36' (10.9m)	1100 (2400)	38' (11.5m)	1100 (2400)	40' (12.1m)	1100 (2400)	42' (12.7m)	1100 (2400)	44' (13.3m)	1100 (2400)	46' (13.9m)	1100 (2400)	48' (14.5m)	1100 (2400)	50' (15.1m)	1100 (2400)	52' (15.7m)	1100 (2400)	54' (16.3m)	1100 (2400)	56' (16.9m)	1100 (2400)	58' (17.5m)	1100 (2400)	60' (18.1m)	1100 (2400)	62' (18.7m)	1100 (2400)	64' (19.3m)	1100 (2400)	66' (19.9m)	1100 (2400)	68' (20.5m)	1100 (2400)	70' (21.1m)	1100 (2400)	72' (21.7m)	1100 (2400)	74' (22.3m)	1100 (2400)	76' (22.9m)	1100 (2400)	78' (23.5m)	1100 (2400)	80' (24.1m)	1100 (2400)	82' (24.7m)	1100 (2400)	84' (25.3m)	1100 (2400)	86' (25.9m)	1100 (2400)	88' (26.5m)	1100 (2400)	90' (27.1m)	1100 (2400)	92' (27.7m)	1100 (2400)	94' (28.3m)	1100 (2400)	96' (28.9m)	1100 (2400)	98' (29.5m)	1100 (2400)	100' (30.1m)	1100 (2400)
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44736

⚠ DANGER	⚠ DANGER
<p>Tip-over Hazard If tilt alarm sounds, unit is on a sensitive slope. Death or serious injury could occur.</p>	<p>1 Lower the platform. 2 Move the machine to level surface.</p>

1294635

⚠ DANGER	⚠ DANGER
<p>Platform Overload LED Indicator Light -OL- If Platform Overload LED Indicator Light is illuminated, the platform is overloaded. Do not operate the machine until the Platform Overload LED Indicator Light is extinguished. If the Platform Overload LED Indicator Light is illuminated, the platform is overloaded. Do not operate the machine until the Platform Overload LED Indicator Light is extinguished.</p>	<p>Tip-over Hazard If the platform is overloaded, the machine will tip over, resulting in death or serious injury.</p>



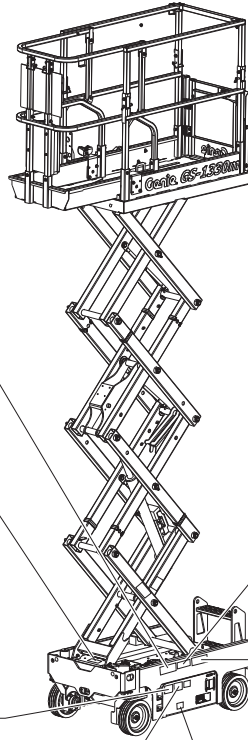
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⚠ DANGER	<p>Maximum allowable wind speed: 0 mph / 0 m/sec</p>	<p>Maximum allowable side force: 50 lbf / 400 N</p>	<p>Maximum capacity: 500 lbs / 227 kg Occupants and equipment must not exceed 500 lbs / 227 kg.</p> <p>Maximum occupants: 2</p>	<p>Platform extended: Main deck: 200 lbs / 156 kg extension deck: 200 lbs / 151 kg</p>
<p>Tip-over Hazard Tipping over the machine will result in death or serious injury.</p>				

28236

⚠ WARNING	⚠ WARNING
<p>Improper operation or maintenance can result in serious injury or death.</p>	<p>Read and understand Operator's Manual, Responsibilities Manual and Safety Manual and all safety signs before using or maintaining machine. If you do not understand the information in the manuals, consult your supervisor, the owner or the manufacturer.</p>

General Safety



82561

DANGER

Crushing Hazard
Death or serious injury can result from contact with moving scissor arms.

Engage safety switches, interlocks, emergency stop, or release.

See section 4.10.

31060

DANGER

Tip-over Hazard
Adjusting or disabling limit switches can result in machine tip-over. Machine tip-over will result in death or serious injury.

Do not alter or disable limit switches.

1294681

WARNING

Improper operation or maintenance of this equipment can result in death or serious injury.

Access by trained and authorized personnel only.

1290675

DANGER

Tip-over Hazard
Failure to engage safety switches or contact with scissor arms can result in death or serious injury.

Use all safety features and always use the proper technique to use the lift. Do not use the lift for any other purpose.

READ MANUAL: Read and understand the manual before use.

DO NOT OPERATE the lift if you are not trained and authorized to use the lift.

Consult your supervisor, the owner or the manufacturer.

1294707

DANGER

Electrocution Hazard
Death or injury can result from contacting electric power lines.

Always contact the electric power line owner. The electric power lines should be de-energized or the power lines should be bonded and grounded before machine operation begins.

Line Voltage	Minimum Clearance
120V AC	4 ft (1.2 m)
240V AC	6 ft (1.8 m)
347V AC	10 ft (3.0 m)
480V AC	12 ft (3.7 m)
600V AC	15 ft (4.6 m)
720V AC	18 ft (5.5 m)
825V AC	20 ft (6.1 m)
1000V AC	25 ft (7.6 m)
1500V AC	35 ft (10.7 m)
2000V AC	45 ft (13.7 m)
2500V AC	55 ft (16.8 m)
3000V AC	65 ft (19.8 m)
3500V AC	75 ft (22.9 m)
4000V AC	85 ft (25.9 m)
4500V AC	95 ft (29.0 m)
5000V AC	105 ft (32.0 m)
5500V AC	115 ft (35.1 m)
6000V AC	125 ft (38.1 m)
6500V AC	135 ft (41.1 m)
7000V AC	145 ft (44.2 m)
7500V AC	155 ft (47.2 m)
8000V AC	165 ft (50.3 m)
8500V AC	175 ft (53.3 m)
9000V AC	185 ft (56.4 m)
9500V AC	195 ft (59.4 m)
10000V AC	205 ft (62.5 m)

1290657

DANGER

Tip-over Hazard
Failure to replace batteries with proper weight batteries will result in death or serious injury.

Batteries are used as counterweight and are critical to machine stability. Each battery must weigh 66 lbs / 29 kg. Batteries too light or too heavy will result in a machine tip-over.

138 lbs / 62.5 kg

1290659

DANGER

Electrocution / Fire Hazard
Death or serious injury will result from use of damaged or damaged standard outlet.

Connect charger to a grounded AC 5 wire electrical outlet only. Before each use, inspect for damaged cord, outlet and wires. Replace damaged items before operating.



Personal Safety

Personal Fall Protection

Personal fall protection equipment (PFPE) is not required when operating this machine. If PFPE is required by job site or employer rules, the following shall apply:

All PFPE must comply with applicable governmental regulations and must be inspected and used in accordance with the manufacturer's instructions.

Work Area Safety

⚠ Electrocutation Hazards

This machine is not electrically insulated and will not provide protection from contact with or proximity to electrical current.



Obey all local and governmental regulations regarding required clearance from electrical power lines. At a minimum, the required clearance contained in the chart below must be followed.

Line Voltage	Required Clearance
0 to 50KV	3.05 m
50 to 200KV	4.60 m
200 to 350KV	6.10 m
350 to 500KV	7.62 m
500 to 750KV	10.67 m
750 to 1000KV	13.72 m

Allow for platform movement, electrical line sway or sag, and beware of strong or gusty winds.



Keep away from the machine if it contacts energized power lines. Personnel on the ground or in the platform must not touch or operate the machine until energized power lines are shut off.

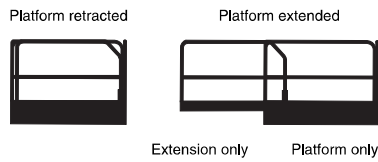
Do not operate the machine during lightning or storms.

Do not use the machine as a ground for welding.

⚠ Tip-over Hazards

Occupants, equipment and materials shall not exceed the maximum platform capacity or the maximum platform capacity of the platform extension.

Maximum capacity				
Platform extended				
Model	Platform retracted	Platform only	Extension only	Maximum occupants
GS-1330m	227 kg	136 kg	91 kg	2



The weight of options and accessories, such as panel carriers, will reduce the rated platform capacity and must be subtracted from the platform capacity. See the decals with the options and accessories.

If using accessories, read, understand and obey the decals, instructions and manuals with the accessory.

Work Area Safety



Do not raise the platform unless the machine is on a firm, level surface.



Do not operate the machine in strong or gusty winds. Do not increase the surface area of the platform or the load. Increasing the area exposed to the wind will decrease machine stability.



Use extreme care and slow speeds while driving the machine in the stowed position across uneven terrain, debris, unstable or slippery surfaces and near holes and drop-offs.

Do not depend on the tilt alarm as a level indicator. The tilt alarm sounds on the chassis only when the machine is on a severe slope.

If the tilt alarm sounds:
Lower the platform. Move the machine to a firm, level surface. If the tilt alarm sounds when the platform is raised, use extreme caution to lower the platform.

Do not drive over 0.8 km/h with the platform raised.

Outdoor Use: Do not raise the boom when wind speeds may exceed 12.5 m/s. If wind speeds exceed 12.5 m/s when the boom is raised, lower the boom and do not continue to operate the machine.

Indoor Use: When raising the platform, follow ratings for allowable side force and number of occupants on the next page.

Do not drive the machine on or near uneven terrain, unstable surfaces or other hazardous conditions with the platform raised.

Do not use the machine as a crane.

Do not push the machine or other objects with the platform.

Do not contact adjacent structures with the platform.

Do not tie the platform to adjacent structures.

Do not place loads outside the platform perimeter.

Do not operate the machine with the chassis trays open.

Work Area Safety



Do not push off or pull toward any object outside of the platform.



Do not place or attach fixed or overhanging loads to any part of this machine.

Model	Maximum allowable side force	Maximum occupants
GS-1330m	400 N	Indoor only – 2

Do not alter or disable the limit switches.

Do not alter or disable machine components that in any way affect safety and stability.

Do not replace items critical to machine stability with items of different weight or specification.

Do not use batteries that weigh less than the original equipment. Batteries are used as counterweight and are critical to machine stability. Each battery must weigh 21 kg. Battery tray including batteries must weigh a minimum of 62.5 kg.

Do not modify or alter a mobile elevating work platform without prior written permission from the manufacturer. Mounting attachments for holding tools or other materials onto the platform, toeboards, or guard rail system can increase the weight in the platform and the surface area of the platform or the load.



Do not place ladders or scaffolds in the platform or against any part of this machine.

Do not transport tools and materials unless they are evenly distributed and can be safely handled by person(s) in the platform.

Do not use the machine on a moving or mobile surface or vehicle.

Be sure all tires are in good condition, castle nuts are properly tightened and cotter pins are properly installed.

Work Area Safety

▲ Crushing Hazard

Keep hands and limbs out of scissors.

Keep hands clear when folding rails.

Do not work under the platform or in the scissor links without the safety arm in place.

Use common sense and planning when operating the machine with the controller from the ground. Maintain safe distances between the operator, the machine and fixed objects.

▲ Operation on Slopes Hazards

Do not drive the machine on a slope that exceeds the slope and side slope rating of the machine. Slope rating applies to machines in the stowed position.

Model	Maximum slope rating, stowed position	Maximum side slope rating, stowed position
GS-1330m	25% (14°)	25% (14°)

Note: Slope rating is subject to ground conditions with one person in the platform and adequate traction. Additional platform weight may reduce slope rating. See Driving on a Slope in the Operating Instructions section.

▲ Fall Hazards

The guard rail system provides fall protection. If occupant(s) of the platform are required to wear personal fall protection equipment (PFPE) due to job site or employer rules, PFPE and its use shall be in accordance with the PFPE manufacturer's instructions and applicable governmental requirements. Use approved lanyard attachment point provided.



Do not sit, stand, or climb on the platform guard rails. Maintain a firm footing on the platform floor at all times.



Do not climb down from the platform when raised.

Keep the platform floor clear of debris.

Do not enter or exit the platform unless the machine is in the stowed position.

Attach the platform entry chain or close the entry gate before operating.

Do not operate the machine unless the guard rails are properly installed and the entry is secured for operation.

Work Area Safety

▲ Collision Hazards



Be aware of limited sight distance and blind spots when driving or operating.

Be aware of extended platform position when moving the machine.

The machine must be on a level surface or secured before releasing the brakes.

Operators must comply with employer, job site, and governmental rules regarding use of personal protective equipment.



Check the work area for overhead obstructions or other possible hazards.



Be aware of crushing hazards when grasping the platform guard rail.

Observe and use color-coded direction arrows on the platform controls and the platform decal plate for drive and steer functions.



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



Limit travel speed according to the condition of the ground surface, congestion, slope, location of personnel, and any other factors which may cause collision.

Do not operate a machine in the path of any crane or moving overhead machinery unless the controls of the crane have been locked out and/or precautions have been taken to prevent any potential collision.

No stunt driving or horseplay while operating a machine.

Work Area Safety

▲ Bodily Injury Hazard

Do not operate the machine with a hydraulic oil or air leak. An air leak or hydraulic leak can penetrate and/or burn skin.

Improper contact with components under any cover will cause serious injury. Only trained maintenance personnel should access compartments. Access by the operator is only advised when performing a pre-operation inspection. All compartments must remain closed and secured during operation.

▲ Explosion and Fire Hazards

Do not operate the machine or charge the battery in hazardous locations or locations where potentially flammable or explosive gases or particles may be present.

▲ Damaged Machine Hazards

Do not use a damaged or malfunctioning machine.

Conduct a thorough pre-operation inspection of the machine and test all functions before each work shift. Immediately tag and remove from service a damaged or malfunctioning machine.

Be sure all maintenance has been performed as specified in this manual and the appropriate Genie service manual.

Be sure all decals are in place and legible.

Be sure the operator's, safety, and responsibilities manuals are complete, legible, and in the storage container located on the machine.

▲ Component Damage Hazards

Do not use any battery charger greater than 24V to charge the batteries.

Do not use the machine as a ground for welding.

Work Area Safety

▲ Battery Safety

Burn Hazards



Batteries contain acid. Always wear protective clothing and eye wear when working with batteries.

Avoid spilling or contacting battery acid. Neutralize battery acid spills with baking soda and water.

Do not expose the batteries or the charger to water or rain during charging.

Explosion Hazards



Keep sparks, flames, and lighted tobacco away from batteries. Batteries emit explosive gas.

The battery tray should remain open during the entire charging cycle.



Do not contact the battery terminals or the cable clamps with tools that may cause sparks.



Component Damage Hazard

Do not use any battery charger greater than 24V to charge the batteries.

Electrocution/Burn Hazards



Connect the battery charger to a grounded, AC 3-wire electrical outlet only.

Inspect daily for damaged cords, cables and wires. Replace damaged items before operating.

Avoid electrical shock from contact with battery terminals. Remove all rings, watches and other jewelry.

Tip-over Hazard

Do not use batteries that weigh less than the original equipment. Batteries are used as counterweight and are critical to machine stability. Each battery must weigh 21 kg. Battery tray including batteries must weigh a minimum of 62.5kg.

Lifting Hazard

Use the appropriate number of people and proper lifting techniques when lifting batteries.

Work Area Safety

Lockout After Each Use

- 1 Select a safe parking location—firm level surface, clear of obstruction and traffic.
- 2 Lower the platform.
- 3 Turn the key switch to the off position and remove the key to secure from unauthorized use.
- 4 Charge the batteries.