

- Powered Lifts & Ladders

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Do you have a Genie Lift. It is actually a manufacturer name (like Xerox, Kleenex, Coke)

Ariel Work Platform or Powered Lift is the official name of this type of equipment.

By definition: An aerial work platform, also called an AWP, is a movable mechanical device that raises people, materials or both to higher elevations. Other names for aerial work platforms include personnel lifts, lifts, push-arounds and mobile elevating work platforms (MEWPs)



Temple Theaters
has this one!



Aerial Work Platforms

AWP® Super Series™

Specifications

Models	AWP-20S		AWP-25S		AWP-30S	
Measurements	US	Metric	US	Metric	US	Metric
Working height*	26 ft 1 in	8.12 m	30 ft 10 in	9.60 m	35 ft 6 in	11.00 m
Platform height	20 ft 1 in	6.12 m	24 ft 11 in	7.60 m	29 ft 6 in	9.00 m
▲ Height - stowed (Standard)	6 ft 6 in	1.98 m	6 ft 6 in	1.98 m	6 ft 6 in	1.98 m
▲ stowed (RT/Narrow)	6 ft 7 in	2.01 m	6 ft 7 in	2.01 m	6 ft 7 in	2.01 m
▲ tilted back** (Standard)	—	—	—	—	—	—
▲ Length - stowed (Standard)	4 ft 1 in	1.24 m	4 ft 3.5 in	1.31 m	4 ft 5 in	1.35 m
▲ stowed (RT/ Narrow)	5 ft 3 in	1.60 m	5 ft 3 in	1.60 m	5 ft 3 in	1.60 m
▲ Length - tilted back**	—	—	—	—	—	—
▲ Width (Standard)	2 ft 5 in	.74 m	2 ft 5 in	.74 m	2 ft 5 in	.74 m
Width (RT)	2 ft 6 in	.76 m	2 ft 6 in	.76 m	2 ft 6 in	.76 m
Width (Narrow)	1 ft 10 in	.56 m	1 ft 10 in	.56 m	1 ft 10 in	.56 m

Productivity

Lift capacity	350 lbs	159 kg	350 lbs	159 kg	350 lbs	159 kg
ANSI/CSA:						
▲▲ Outrigger footprint (l/w) (Standard)	5 ft 1 in/4 ft 5 in	1.55/1.35 m	5 ft 1 in/4 ft 5 in	1.55/1.35 m	5 ft 9 in/5 ft 1 in	1.75/1.55 m
Outrigger footprint (l/w) (RT/Narrow)	5 ft 4 in/4 ft 2 in	1.63/1.27 m	5 ft 4 in/4 ft 2 in	1.63/1.27 m	6 ft/5 ft	1.83/1.52 m
▲ Corner access*** (Standard)	1 ft 3 in	.38 m	1 ft 2 in	.36 m	1 ft 7 in	.48 m
Corner access*** (RT/Narrow)	1 ft 2 in	.36 m	1 ft 1 in	.33 m	1 ft 7 in	.48 m
▲▲ Wall access front/side (Standard)	6 in/1 ft 1 in	.15/.33 m	3 in/1 ft 1 in	.08/.33 m	5 in/1 ft 5 in	.13/.43 m
Wall access front/side (RT/Narrow)	9 in/1 ft	.23/.30 m	6 in/1 ft	.15/.30 m	7 in/1 ft 5 in	.18/.43 m
Platform Dimensions: (l/w/h)						
Standard	27/26/44.75 in	.69/.66/1.14 m	27/26/44.75 in	.69/.66/1.14 m	27/26/44.75 in	.69/.66/1.14 m
Gated standard	27/26/44.75 in	.69/.66/1.14 m	27/26/44.75 in	.69/.66/1.14 m	27/26/44.75 in	.69/.66/1.14 m
Gated narrow	26/20/44.75 in	.66/.51/1.14 m	26/20/44.75 in	.66/.51/1.14 m	26/20/44.75 in	.66/.51/1.14 m
Gated ultra-narrow	22/18/44.75 in	.56/.46/1.14 m	22/18/44.75 in	.56/.46/1.14 m	22/18/44.75 in	.56/.46/1.14 m
Standard fiberglass	29/26.5/43.5 in	.74/.67/1.10 m	29/26.5/43.5 in	.74/.67/1.10 m	29/26.5/43.5 in	.74/.67/1.10 m

Power

Power source	12V DC 110/50-60 Hz or 220/50-60 Hz AC
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Weight

AC models (Standard)	677 lbs	307 kg	727 lbs	330 kg	777 lbs	352 kg
AC models (RT/Narrow)	660 lbs	299 kg	694 lbs	315 kg	729 lbs	330 kg
DC models (Standard)	766 lbs	348 kg	817 lbs	371 kg	867 lbs	393 kg
DC models (RT/Narrow)	749 lbs	339 kg	780 lbs	355 kg	818 lbs	370 kg
Air motor (Standard)	—	—	—	—	777 lbs	352 kg
Air motor (RT/Narrow)	—	—	—	—	729 lbs	331 kg

ARIEL WORK PLATFORM SAFETY RULES

The best way to reduce the risk of incidents from happening while operating an aerial work platform on a jobsite, **operators should know and follow these 10 tips as a minimum for safe work practices:**

1. Receive **proper training** (both general training and hands-on practical training) on, as well as become familiar with, the exact aerial work platform you will be operating. This includes thoroughly **reading the operator's manual** and safety signs on the machine, as well as understanding the function and location of all safety devices and controls before beginning operation.
2. Read, understand and **obey all of your employer's safety rules and worksite regulations**, as well as any applicable local, governmental or provincial regulations that apply before operating the machine.
3. **Perform a pre-operation inspection** and function tests on the equipment before each shift. If the machine fails any of these inspections or tests, make sure it is immediately tagged and removed from service until it can be repaired by a qualified service technician.
4. **Perform a workplace hazard assessment** prior to moving machine to the jobsite. Look for hazardous situations such as drop-offs and holes, slopes, slippery or unstable surfaces, overhead obstacles, power lines and any other hazards that may exist and develop a plan to avoid those hazards through all phases of machine operation.
5. ***Wear the proper fall protection** and always connect them to the designated anchor points. A properly fitted full body harness and appropriate lanyard or self-retracting lifeline will reduce the potential for an operator being catapulted from the platform of a boom. The impact at the base of the machine can translate into a sudden and powerful whiplash at the platform — if this happens, wearing the proper fall protection may reduce the chances of serious injury or even death.
6. **Only raise the platform on firm level surface**. If the level alarm sounds, it means you need to move it to a level surface before elevating the platform. If you are already elevated when the alarm sounds, immediately lower the platform and move to a firm level area.
8. **Do not sit, stand or climb on the platform guardrails**. Operator should maintain a firm footing on the platform floor at all times. If an operator is required to reach an overhead work area that is too small for the platform guardrails to allow access to, determine if the selected aerial work platform is the right one for the job. Alternatively, the use of a manufacturer-approved device, specifically designed to provide additional access to confined spaces is recommended.
9. **Do not exit an elevated boom or scissor lift platform** unless you have been properly trained to do so, maintain 100 percent tie-off at all times and are in possession of an approval letter from the manufacturer that provides the proper guidance.
10. **Do not climb down from the platform when it is raised**. Whenever possible, keep a cell phone or two-way radio with you while you are in the platform and always have a rescue plan in place in the event that the secondary lowering system (i.e. emergency lowering system) system malfunctions.

BEARS AND LADDERS

WHAT DO YOU SEE GOING ON HERE? **PROS** & **CONS**



BEARS AND LADDERS

A brown bear is shown climbing a red metal structure, which appears to be a ladder or scaffolding. The bear is positioned in the center of the frame, gripping the structure with its paws. The structure is made of thick red metal beams and ladders. The background is a plain, light-colored sky. The overall scene is a humorous take on industrial safety.

CON: NO CLIMBING HARNESS. NO FALL PROTECTION.

PRO: SUBJECT IS USING MULTIPLE POINTS OF CONTACT.



NOTICE
THIS DUMPSTER IS FOR
HOUSEHOLD WASTE ONLY
NO BUSINESS OR INDUSTRIAL
WASTE ALLOWED
NO FLAMMABLE, CORROSIVE,
TOXIC OR HAZARDOUS
MATERIALS
NO LIQUIDS
NO REFRIGERATORS
NO A/C UNITS
NO STOVE TOPS
NO WASHING MACHINES
NO DRYERS
NO FREEZERS
NO REFRIGERATORS
NO A/C UNITS
NO STOVE TOPS
NO WASHING MACHINES
NO DRYERS
NO FREEZERS



Con:

Subjects need a properly sized ladder.

Over-extension of reach beyond balance point.

Pro: Good teamwork towards goal.





Con: Is this is a GFI circuit? Always seems like fun and games until you get your mouth shocked!

Pro: Buddy system is in use. Safety spotter-lookout in the background. But, does he know CPR and first aid?



Con: No safety harnesses.
Improper footwear.

Climbing in tandem

Pro: Top bear checking
on status of co-worker.
Three points of contact
at all times.







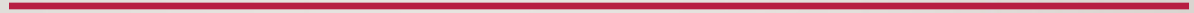
Con: Not a designated walkway.
No harness or safety line.

Pro: Avoided slipping on icy pathway below.



LADDER SAFETY

OSHA 29 CFR 1910.25, 1910.26, and 1910.27



TYPE OF LADDERS

- We'll look at in person on the stage!

LADDER SAFETY

Ladders present unique opportunities for unsafe acts and unsafe conditions.

Associates who use ladders must be trained in proper selection, inspection, use and storage.



LADDER HAZARDS

Hazards include:

- Ladders with missing or broken parts.
- Using a ladder with too low a weight rating.
- Using a ladder that is too short for purpose.
- Using metal ladders near energized electrical equipment.
- Using ladders as a working platform.
- Objects falling from ladders.

LADDER INSPECTION

Inspect ladders before each use.

- All rungs and steps are free of oil, grease, dirt, etc.
- All fittings are tight.
- Spreaders or other locking devices are in place.
- Non-skid safety feet are in place.
- No structural defects, all support braces intact.

DO NOT use broken ladders. Contact Maintenance to have broken ladders tagged “Do Not Use” and removed from service.



LADDER SETUP

Procedure to prevent ladder incidents:

- Place ladder on a clean slip free level surface.
- Extend the ladder 3-4 feet above the top support, if used to access roof or other elevated surface.
- Anchor or secure the top of the ladder when the 3-4 foot extension is not possible.
- Place the ladder base $\frac{1}{4}$ the height of the ladder from the wall when using a straight ladder.

LADDER SETUP CONTINUED

- Never allow more than one person on a ladder.
- Use tool belts or hand lines to carry objects.
- Do not lean out from the ladder in any direction.
- If you have a fear of heights – don't climb a ladder.
- Do not allow others to work under a ladder in use.



LADDER MAINTENANCE

- Keep ladders clean.
- Never replace broken parts unless provided by the original manufacturer.
- Do not attempt to repair broken side rails.
- Keep all threaded fasteners properly adjusted.



FIVE RULES OF LADDER SAFETY

1. Select the right ladder for the job.
2. Inspect ladder before you use it.
3. Setup the ladder with care.
4. Climb and descend ladders cautiously.
 - Face ladder and hold on with both hands.
 - Carry tools on belt or raise and lower with hand line.
 - Check shoes and rungs for slippery surfaces.
5. Use safe practices when working on a ladder.
 - Always hold on with one hand and never reach too far to either side or rear to maintain balance.
 - Never climb higher than second step from top on a stepladder or third from the top on a straight ladder.
 - Never attempt to move, shift, or extend ladder while in use.