

Section Contents

IMPORTANT:

This section applies to manually propelled, self-propelled, and boom-supported elevating work platforms.

YOUR RESPONSIBILITY:

To meet these requirements when operating elevating work platforms

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Operation

WAC 296-869-600

Rule

WAC 296-869-60005

Intended use

You must

- Make sure elevating work platforms are used only for their intended purpose as specified by the manufacturer.



Note:

- Misuse of an elevating work platform includes, but isn't limited to:
- Using the elevating work platform as a crane
- Using the platform to jack the wheels off the ground, unless the machine was designed for that purpose by the manufacturer
- Operating the elevating work platform from a truck, trailer, railway car, floating vessel, scaffold, or similar equipment unless the application is approved in writing by the manufacturer



WAC 296-869-60010

Workplace survey

You must

- Have the operator survey the area before and during use of an elevating work platform for hazards such as:
 - Drop-offs or holes
 - Slopes
 - Bumps and floor obstructions
 - Debris
 - Overhead obstructions and high voltage conductors
 - Hazardous locations
 - Inadequate surface and support to withstand the load imposed on them by the elevating work platform in all operating configurations
 - Wind and weather conditions
 - Unauthorized persons in the area
 - Other possible unsafe conditions



Operation

WAC 296-869-600

Rule

WAC 296-869-60015

Hazardous locations

You must

- Determine the hazard classification of any area where the elevating work platform will operate using National Fire Protection Association (NFPA) 505-2002, Fire Safety Standard for Powered Industrial Trucks Including Type Designations, Areas of Use, Conversions, Maintenance, and Operations.
- Make sure only approved elevating work platforms are used in Class I, II, or III locations.
- Make sure elevating work platforms are used in hazardous (classified) locations as follows:
 - Elevating work platforms authorized to be used in Class 1 locations are shown in Table 3, Approved Elevating Work Platform Use in Class 1 Locations
 - Elevating work platforms authorized to be used in Class 2 locations are shown in Table 4, Approved Elevating Work Platform Use in Class 2 Locations
 - Elevating work platforms authorized to be used in Class 3 locations are shown in Table 5, Approved Elevating Work Platform Use in Class 3 Locations
- Elevating work platforms authorized to be used in unclassified locations are:
 - Approved elevating work platforms designated as Type D, E, G, or LP

and

 - Elevating work platforms that meet the requirements of Type D, E, G, or LP elevating work platforms.
- Have operators report any hazardous atmosphere or location that becomes apparent while operating the elevating work platform.

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WAC 296-869-60015

Hazardous locations (continued)



Definitions:

An **unclassified location** is an area that's not designated as a Class 1, 2, or 3 location.

The type designation is a code to identify types of elevating work platforms. It is used to determine if an elevating work platform can be used in a specific classified or unclassified location.

- **D** refers to elevating work platforms that are diesel engine powered that have minimum safeguards against inherent fire hazards.
- **DS** refers to diesel powered elevating work platforms that, in addition to meeting all the requirements for type **D** elevating work platforms, are provided with additional safeguards to the exhaust, fuel and electrical systems.
- **DY** refers to diesel powered elevating work platforms that have all the safeguards of the **DS** elevating work platforms and, in addition, any electrical equipment is completely enclosed. They are equipped with temperature limitation features.
- **E** refers to electrically powered elevating work platforms that have minimum acceptable safeguards against inherent fire hazards.
- **ES** refers to electrically powered elevating work platforms that, in addition to all of the requirements for the **E** elevating work platforms, have additional safeguards to the electrical system to prevent emission of hazardous sparks and to limit surface temperatures.
- **EE** refers to electrically powered elevating work platforms that, in addition to all of the -requirements for the **E** and **ES** type elevating work platforms, have their electric motors and all other electrical equipment completely enclosed.
- **EX** refers to electrically powered elevating work platforms that differ from **E**, **ES**, or **EE** type elevating work platforms in that the electrical fittings and equipment are designed, constructed and assembled to be used in atmospheres containing flammable vapors or dusts.
- **G** refers to gasoline powered elevating work platforms that have minimum acceptable safeguards against inherent fire hazards.
- **GS** refers to gasoline powered elevating work platforms that are provided with additional exhaust, fuel, and electrical systems safeguards.
- **LP** refers to liquefied petroleum gas-powered elevating work platforms that, in addition to meeting all the requirements for type **G** elevating work platforms, have minimum acceptable safeguards against inherent fire hazards.
- **LPS** refers to liquefied petroleum gas-powered elevating work platforms that in addition to meeting the requirements for **LP** type elevating work platforms, have additional exhaust, fuel, and electrical systems safeguards.

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Hazardous locations (continued)

Table 3
Approved Elevating Work Platform Use in Class 1 Locations

Class 1							
Locations in which flammable gases or vapors are, or may be, present in the air in quantities sufficient to produce explosive or ignitable mixtures							
Division 1				Division 2			
Conditions exist continuously, intermittently, or periodically under normal operating conditions.				Conditions may occur accidentally, for example, due to a puncture of a storage drum.			
Group A	Group B	Group C	Group D	Group A	Group B	Group C	Group D
Acetylene	Hydrogen	Ethyl ether	Acetone	Acetylene	Hydrogen	Ethyl ether	Acetone
			Alcohols				Alcohols
			Benzene				Benzene
			Gasoline				Gasoline
			Lacquer				Lacquer
			Solvent				Solvent
No type can be used	No type can be used	No type can be used	Use this elevating work platform type	No type can be used	No type can be used	No type can be used	Use this elevating work platform
			EX				DS
							DY
							ES
							EE
							EX
							GS
							LPS

-Continued-



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Hazardous locations (continued)

Table 4
Approved Elevating Work Platform Use in Class 2 Locations

Class 2					
Locations which are hazardous because of the presence of combustible dust					
Division 1			Division 2		
Explosive mixture may be present under normal operating conditions, or where failure of equipment may cause the condition to exist simultaneously with arcing or sparking of electrical equipment, or where dusts of an electrically conducting nature may be present.			Explosive mixture not normally present, but where deposits of dust may cause heat rise in electrical equipment, or where such deposits may be ignited by arcs or sparks from electrical equipment.		
Group E	Group F	Group G	Group E	Group F	Group G
Metal dust	Carbon black	Grain dust	Metal dust	Carbon black	Grain dust
	Coal dust	Flour dust		Coal dust	Flour dust
	Coke dust	Starch dust		Coke dust	Starch dust
		Organic dust			Organic dust
No type can be used	Use this elevating work platform type	Use this elevating work platform type	No type can be used	No type can be used	Use this elevating work platform type
	EX	EX			DS
					DY
					ES
					EE
					EX
					GS
					LPS

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Hazardous locations (continued)

Table 5
Approved Elevating Work Platform Use in Class 3 Locations

Class 3	
Locations where easily ignitable fibers or flyings are present but not likely to be in suspension in quantities sufficient to produce ignitable mixtures	
Division 1	Division 2
Locations in which easily ignitable fibers or materials producing combustible flyings are handled, manufactured, or used.	Locations in which easily ignitable fibers are stored or handled (except in the process of manufacture).
Use this elevating work platform type	Use this elevating work platform type
DY	DS
EE	DY
EX	E
	ES
	EE
	EX
	GS
	LPS



WAC 296-869-60020

Set up

You must

- Prohibit positioning the elevating work platform against another object in order to steady the platform.
- Do the following when other moving equipment or vehicles are present:
 - Take special precautions to meet the requirements of local ordinances or workplace safety standards**and**
 - Use warnings such as, but not limited to, flags, roped-off areas, flashing lights and barricades

WAC 296-869-60025

Travel speed

You must

- Make sure the operator limits travel speed according to conditions, including:
 - Condition of the ground or support surface
 - Congestion
 - Visibility
 - Slope
 - Location of personnel
 - Other factors that may create a hazard of collision or injury to personnel



Operation

WAC 296-869-600

Rule

WAC 296-869-60030

Driving

IMPORTANT:

This section doesn't apply to manually propelled elevating work platforms.

You must

- Make sure the operator does all of the following before and while driving with the platform elevated:
 - Maintains a clear view of the path of travel
 - Keeps a safe distance from obstacles, debris, drop-offs, holes, depressions, ramps, and other hazards to safe travel
 - Keeps a safe distance from overhead obstacles
- Prohibit stunt driving and horseplay.



WAC 296-869-60035

Elevating and lowering the platform

You must

- Have the operator make sure all of the following are done before each elevation of the platform:
 - The elevating work platform is on a surface that is within the limits specified by the manufacturer
 - Outriggers, stabilizers, extendable axes, or other stability enhancing means are used as required by the manufacturer
 - Guardrails are installed and access gates or openings are closed per the manufacturer's instructions
 - The load and its distribution on the platform and any platform extension doesn't exceed the manufacturer's rated capacity for the configuration being used
 - There is adequate clearance from overhead obstructions
 - The minimum safe approach distance (MSAD) to energized power lines and parts listed in Table 6, Minimum Safe Approach Distance, is maintained
 - All persons on the platform are wearing fall protection devices and other safety gear if required
- Prevent rope, electric cords, hoses and similar objects from becoming entangled with the platform.
- Have the operator make sure the area is clear of personnel and equipment before lowering the platform.
- Remove all personnel from a platform that has been caught, snagged, or otherwise prevented from normal motion before attempting to free it using ground controls.

-Continued-



Operation

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Elevating and lowering the platform (continued)



Note:

If possible, reverse the platform controls to free a platform that is caught, snagged, or otherwise prevented from normal motion by an adjacent structure or other obstacle.

Table 6
Minimum Safe Approach Distance

Voltage	Minimum Safe Approach Distance
Less than 300 volts (insulated lines)	3 feet (0.9 m)
Less than 300 volts (uninsulated lines)	10 feet (3.1 m)
300 volts to 50 kv	10 feet (3.1 m)
More than 50 kv	10 feet (3.1 m) + 0.4 inches (1.0 cm) for each 1 kv over 50 kv

WAC 296-869-60040

Working from the platform

You must

- Make sure persons working from the platform:
 - Keep a firm footing on the platform**and**
 - Do not use guardrails, planks, ladders, or any other device to gain additional height or reach
- Make sure all persons on the platform of boom-supported elevating work platforms wear a full body harness and lanyard fixed to manufacturer provided and approved attachment points.
- Make sure the rated capacities of the platform aren't exceeded when transferring loads to the platform at any height.



Note:

Guardrails are the primary means of fall protection for manually propelled elevating work platforms.

WAC 296-869-60045

Malfunctions or unsafe conditions

You must

- Make sure operators, if they suspect a malfunction of the elevating work platform or encounter any hazard or potentially unsafe condition, do all of the following:
 - Cease operation
 - Report the problem or malfunction
 - Discontinue using the elevating work platform until problems or malfunctions that affect safe operation have been corrected



Notes
