

Electric Ladders

The Safe-Away® Electric Ladders have been designed to suit various makes and models of mining and earthmoving equipment.

Without the need for a hydraulic power pack the electric ladders raise to a safe position when the vehicle is in motion. They are easy to install and utilise a simple on board control system without compromising the safety features you expect of Safe-Away® Access Systems.

Easy to
operate &
competitively
priced



Safety & Efficiency

The **Safe-Away® Electric Ladders** have been specifically designed to suit a wide range of equipment and provide:

- A 62° ladder offering safer access and egress while carrying tools.
- Three models that raise safely out of the way while the vehicle is in motion.
- Fixed handrails to give three points of contact.
- Easy installation.
- Low maintenance.
- No hydraulics.
- Compact designs.
- Safe and user friendly.
- Cost effective.



Ladder Features



- **Boarding Light and Wiring Harness Kit.** The LED boarding light will stay on for an adjustable/preset period.

- Incab membrane **touch pad panel** controlling the up and down ladder function with an internal audible alarm when the ladder is in motion.
- A **park brake interlock** provides additional protection by ensuring the ladder is raised automatically when the park brake is released.
- **Built-in system protection** includes: reverse battery connection protection, PCB over temperature cut out and stop motion due to abnormal ladder load.
- **Battery management system** to allow for operation of the ladder. Host equipment's main power recharges these batteries when host is in use.
- The operational voltage range for the actuator is 24VDC with a continuous current draw of 10A to a maximum 15A. Operating temperature range for the actuator is -40°C to 85°C.



Optional extras

1. Additional Raise and Lower Control Panel Kit



A remotely mounted control panel designed to enable the raise and lower operation from outside of the vehicle's cab, or at a position accessible from ground level.

Encased in protective aluminium box.

2. An **Emergency Stop** can be fitted to stop the ladder at any point in the raise/lower cycle. Motion can be resumed by pressing a directional button.

3. An external **Audible Alarm Kit** is activated by pressing the up or down directional switch.



4. An optional **Inhibit Kit** can be used to control vehicle functions such as (but not limited to) slew and propel on excavators, propel on electric drive trucks and blade inhibit on graders.

3 models designed to suit your fleet

The **Safe-Away® Electric Ladders** are designed to suit OEM vehicles and are able to be retrofitted if replacing existing systems. The Electric Ladders may be varied to accommodate your requirements for specific mount points, platform handrails, infills and site and/or OEM colours.



EL-CF



EL-RTV



EL-V

The Electric Ladder - Centre Folding is designed for use on:

- Haul Trucks (up to 100 T payload)
- Civil Works Plant and Equipment
- Earthmoving Plant and Equipment
- Quarrying Plant and Equipment

Compatible OEM models include:

988F 988G 988H WA600
WD600 WD900

The EL-CF can also be adapted for other equipment.

The Electric Ladder - Raise To Vertical is designed for use on:

- Civil Works Plant and Equipment
- Earthmoving Plant and Equipment
- Quarrying Plant and Equipment
- Mining Plant and Equipment

Compatible OEM models include:

HD605 HD455 HD785 HD985

The EL-RTV can also be adapted for other equipment.

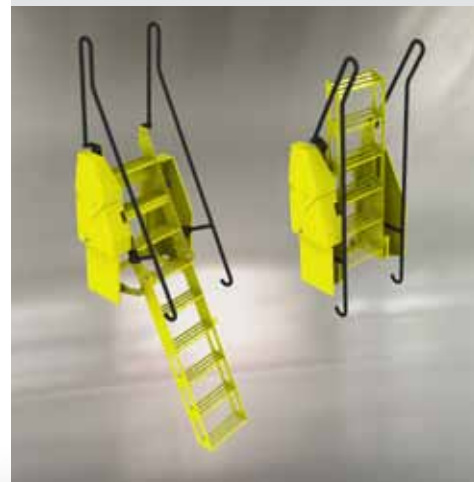
The Electric Ladder - V is designed to mount vertically and is for use on:

- Civil Works Plant and Equipment
- Earthmoving Plant and Equipment
- Quarrying Plant and Equipment
- Mining Plant and Equipment

Compatible OEM models include:

773B 773D 773E 773F 775B
775D 775E 775F 777B 777C
777D L1100 L1350 L1850

The EL-V can also be adapted for other equipment.



Specifications

The Safe-Away® Electric Ladders have been designed and manufactured to comply with the relevant sections of the following standards:-
SAE J185-88 ISO 2867-1989 (E)90 ANSI Z535.4-1991 ANSI A14.2-1990 AS 3868-1991

EL-CF Range Dimensions

Steps	Max Deck Height	Lowered reach limit	Raised extremity
5	1640mm 64.6in	695mm 27.4in	1710mm 67.3in
6	1890mm 74.4in	835mm 32.9in	1710mm 67.3in
7	2140mm 84.3in	1015mm 40in	2020mm 79.5in
8	2390mm 94.1in	1160mm 45.7in	2020mm 79.5in
9	2640mm 103.9in	1340mm 52.8in	2440mm 96.1in
Overall width	956mm	37.6in	
Ladder Tread width	514mm	20.2in	



EL-CF

EL-RTV Range Dimensions

Steps	Max Deck Height	Lowered reach limit	Raised extremity
5	1400mm 55.1in	654mm 25.7in	1275mm 50.2in
6	1650mm 65in	787mm 31in	1558mm 61.3in
7	1900mm 74.8in	920mm 36.2in	1841mm 72.5in
Overall width	906mm	35.7in	
Ladder Tread width	563mm	22.2in	



EL-RTV

EL-V Range Dimensions

Steps	Max Deck Height	Lowered reach limit	Raised extremity
6	1660mm 65.4in	2671mm 105.2in	591mm 23.3in
7	1910mm 75.2in	2921mm 115in	591mm 23.3in
8	2160mm 85in	3171mm 124.8in	591mm 23.3in
9	2410mm 94.9in	3421mm 134.7in	591mm 23.3in
10	2655mm 104.5in	3666mm 144.3in	591mm 23.3in
Overall width	796mm	31.3in	
Ladder Tread width	450mm	17.7in	



EL-V