HEDWELD



Ladder and Stair Access Systems

EL-V Electric Ladder

The Safe-Away[®] Electric Vertical Ladder has been designed to suit various makes and models of mining and earthmoving equipment.

Without the need for a hydraulic power pack the EL-Vs 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 from Safe-Away[®].

Easy to operate & competitively priced



Through innovation we provide improved safety and efficiency

www.hedweld.com

Safety & Efficiency

The **Safe-Away® EL-V** has been specifically designed to suit a wide range of equipment and provide:

- A 62° ladder offering safer access and egress while carrying tools.
- 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.

Features



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

- Incab touch screen controlling the up and down functions with a battery charge display.
- The **DVC710** is the master control for the electric access system input/ out and is located with the **Electrical Control Module (ECM).**

• The DVC710 is encapsulated in the



harsh operating environments.
Momentary Operation is available with the Park Brake Alarm. The alarm

ECM stainless steel box to withstand

will activate when the park brake is released if the ladder is not fully raised and in it's rest position.

 Batteries power the access system. The host equipment's main power recharges these batteries when host is in use.

ECM Functions

- The **state of charge** is regulated by the DVC710.
- The **operational voltage** is 24VDC with a maximum current draw of 12A.
- The DVC710 has it's own Controller Area Network (CAN) which is used by the Incab Controller.
- The system is **compatible with all CAN-BUS** and J1939 components.
- Reverse polarity protection.





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 access system 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.



5. Safe-Away[®] Access Systems can be supplied with **momentary operation.**



Designed to suit your fleet

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

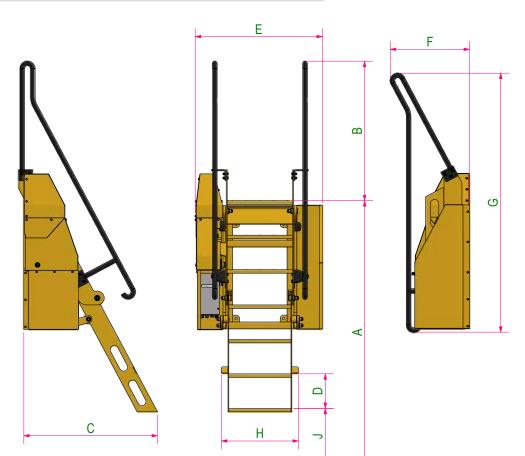
Specifications

The Safe-Away[®] EL-V Ladder has been designed and manufactured to comply where practicably possible with the relevant sections of the following standards:-

SAE J185_200305 ISO 2867:2011 ANSI Z535.4-2007 ANSI A14.2-2007 AS 3868-1991 AS 5327:2019 AS 1657-2013

EL-V										
The Electric Ladder - Vertical is designed for use on:										
773B	773D	773E	773F	775B	775D					
775E	775F	777B	777C	777D	L1100					
L1350	L1850	ROC D65								
Can be adapted for other equipment.										

EL-V Range Dimensions											
Steps	A - Max Deck Height C - Lowe			red Reach Limit G - Overall He			all Height				
6	64.9in	1650mm	32.9in	836mr	n	73.9in	1878mm				
7	74.8in	1900mm	38.1in	969mr	n	7.39in	1878mm				
8	84.6in	2150mm	43.4in	1102m	nm	81.7in	2076mm				
9	94.5in	2400mm	48.4in	1230m	nm	81.7in	2076mm				
10	104.3in	2650mm	54.8in	1394m	nm	93.1in	2366mm				
	B - Lowere	39.8in	101	1011mm							
	D - Tread	18.4in	469	9mm							
	E - Overal	36.3in	923	3mm							
	F - Raised	9.8in	250	250mm							
	J - Max First Tread Height				400	400mm					



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