

## EL-CF Electric Ladder

The Safe-Away® Electric Centre Folding 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-CFs 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



# Safety & Efficiency

The **Safe-Away® EL-CF** 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 ECM **stainless steel box** to withstand harsh operating environments.
- **Momentary Operation** is available with the Park Brake Alarm. The alarm will activate when the park brake is released if the ladder is not fully raised and in its 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 its 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.
- Status LED indicator.



## 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-CF** is designed to suit OEM vehicles and are able to be retrofitted if replacing existing systems. The EL-CF may be varied to accommodate your requirements for specific mount points, platform handrails, infills and site and/or OEM colours.

## EL-CF

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

990F-H      988F-H      WA600-6 to 8      WA900-6 to 8  
 WD600-6 to 8      WD834F-K      WD844F-K      WD 854F-K  
 WD900-3

Can be adapted for other equipment.

## Specifications

The Safe-Away® EL-CF 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  
 AS1657-2013

## EL-CF Range Dimensions

Steps	A - Max Deck Height		C - Lowered Reach Limit		F - Raised Handrail Width		G - Raised Ladder Width		H - Raised Extremity	
5	1390mm	54.7in	1016mm	39.9in	504mm	19.8in	657mm	25.8in	1711mm	67.3in
6	1640mm	64.6in	1161mm	45.7in	504mm	19.8in	687mm	27in	1711mm	67.3in
7	1890mm	74.4in	1341mm	52.8in	598mm	23.5in	787mm	30.9in	2011mm	79.1in
8	2140mm	84.3in	1485mm	58.4in	598mm	23.5in	866mm	34.1in	2011mm	79.1in
9	2390mm	94.1in	1640mm	64.5in	546mm	21.5in	983mm	38.7in	1873mm	73.7in
<b>B- Fixed Handrail Height</b>			1026mm	40.3in						
<b>D - Tread Height</b>			250mm	9.8in						
<b>E - Ladder Width</b>			903mm	35.5in						
<b>J - Max Step Height</b>			400mm	15.7in						

