### HEDWELD USA INCORPORATED



Ladder and Stair Access Systems

## **EL-CF Electric Ladder**

The Safe-Away<sup>®</sup> 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<sup>®</sup>.

Easy to operate & competitively priced



Through innovation we provide improved safety and efficiency

www.hedweld.com

# 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



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<sup>®</sup> Access Systems can be supplied with **momentary operation.** 



## Designed to suit your fleet

The **Safe-Away**<sup>®</sup> **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 colors.

#### **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.

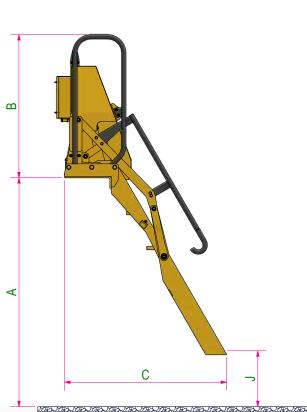
### Specifications

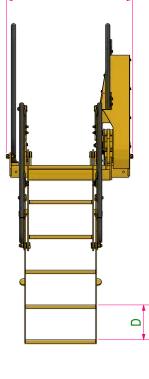
The Safe-Away<sup>®</sup> EL-CF Ladder has been designed and manufactured to comply where practicably possible with the relevant sections of the following standards:-

SAE J185\_200305ISO 2867:2011ANSI Z535.4-2007ANSI A14.2-2007AS 3868-1991AS 5327:2019AS1657-2013AS 5327:2019

#### **EL-CF** Range Dimensions

Steps	A - Max De	eck Height	C -Low	ered Reach Limit	F - Rais	ed Handrail Widtl	h G - Rais	ed Ladder Width	H- Raise	d Extremity
5	54.7in	1390mm	39.9in	1016mm	19.8in	504mm	25.8in	657mm	67.3in	1711mm
6	64.6in	1640mm	45.7in	1161mm	19.8in	504mm	27in	687mm	67.3in	1711mm
7	74.4in	1890mm	52.8in	1341mm	23.5in	598mm	30.9in	787mm	79.1in	2011mm
8	84.3in	2140mm	58.4in	1485mm	23.5in	598mm	34.1in	866mm	79.1in	2011mm
9	94.1in	2390mm	64.5in	1640mm	21.5in	546mm	38.7in	983mm	73.7in	1873mm
	B - Fixed H	landrail Heig	ght 4	40.3in 1026	imm					
	D - Tread I	Height		9.8in 250r	nm					
	E - Ladder	Width		35.5in 903n	nm					
	J - Max Ste	ep Height		15.7in 400r	nm					





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