



Ladder and Stair Access Systems

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 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.
- Status LED indicator.



Optional extras





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.
- 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 WD900-3

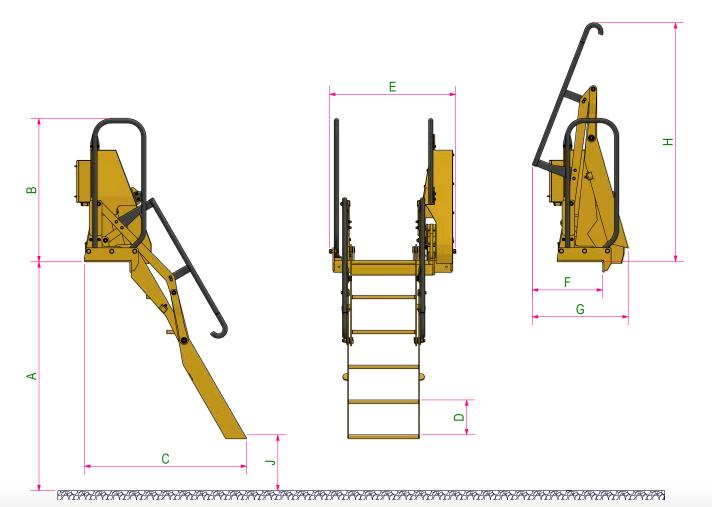
Can be adapted for other equipment.

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 | | | | | | | | | | | |
|-------------------------|---------------------|--------------|------------------------|------------|---------------|---------------------------|-------|-------------------------|--------|---------------------|--|
| EL El Hange Diffictions | | | | | | | | | | | |
| Steps | A - Max Deck Height | | C -Lowered Reach Limit | | mit F - Raise | 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- Fixed H | andrail Heig | ght 10 | 26mm | 40.3in | | | | | | |
| | D - Tread I | Height | 250mm 9 | | 9.8in | | | | | | |
| | E - Ladder | Width | 903mm 35. | | 35.5in | | | | | | |
| | J - Max Step Height | | | 400mm 15.7 | | | | | | | |



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