

EL-DMV Electric Ladder

The Safe-Away[®] Electric Deck Mounted Raise to Vertical Ladder (EL-DMV) has been designed to suit various makes and models of smaller mining and earthmoving equipment.

The EL-DMV bolts onto the deck and provides safer access for operators of smaller mining and earthmoving equipment eg. Cat 773. Without the need for a hydraulic power pack the EL-DMV raises to a vertical position when the vehicle is in motion.

The EL-DMV is easy to install and utilises a simple on board control system.

Easy to
operate &
competitively
priced



Safety & Efficiency

The **Safe-Away® EL-DMV Ladder** has been specifically designed to suit a range of smaller equipment and provides:

- A 62° ladder offering safer access and egress while carrying tools.
- A design that raises safely out of the way while the vehicle is in motion.
- Convenient 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 **touch screen** controlling the up and down ladder functions with a battery charge display.
- The **DVC710** is the master control for the electric ladder 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 ladders. 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 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.

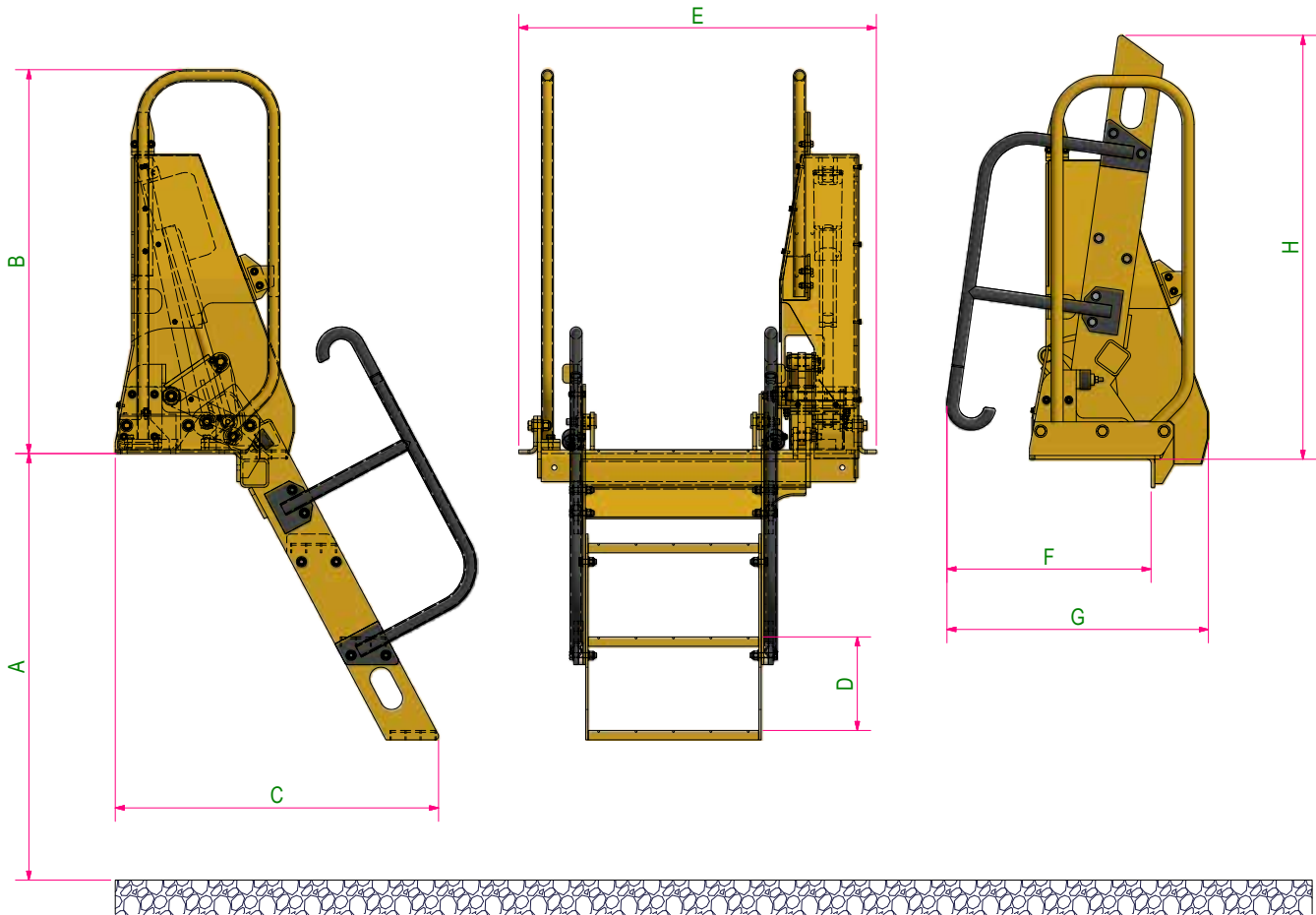


5. Momentary Operation

Safe-Away® Access Systems can be supplied with momentary operation.

Designed to suit your fleet

The **Safe-Away® EL-DMV Ladder** is designed to suit OEM vehicles. The EL-DMV may be varied to accommodate your requirements for specific mount points, platform handrails, infills and site and/or OEM colours.



EL-DMV Range Dimensions

Steps	A-Deck Height Maximum		C-Lowered Reach Limit		H -Raised Handrail Height	
4	1140mm	44.8in	864mm	34in	1133mm	44.6in
5	1370mm	54in	997mm	39.5in	1413mm	55.6in
6	1620mm	63.7in	1130mm	44.4in	1693mm	66.6in
7	1780mm	70in	1263mm	49.7in	1974mm	77.7in
B	Handrail Height		1026mm	40.3in		
D	Step Height		250mm	9.8in		
E	Overall Width		956mm	37.6in		
F	Raised Handrail Depth		546mm	21.4in		
G	Raised Overall Depth		700mm	27.5in		

Specifications

The Safe-Away® EL-DMV 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