

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.

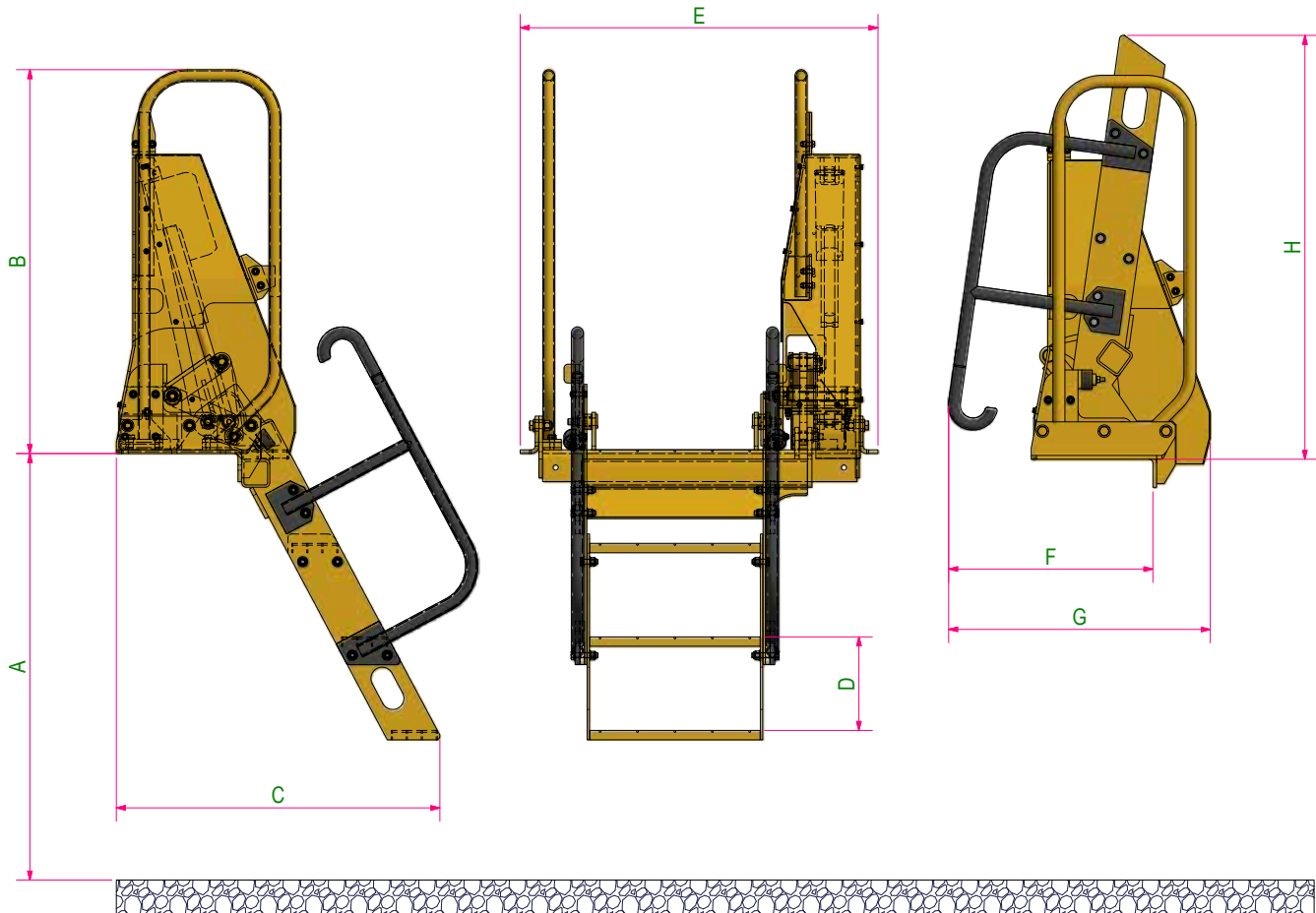


5. Momentary Operation

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 colors.



EL-DMV Range Dimensions

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

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