PDE
PRIME DESIGN EUROPE

ErgoBACK e

ELECTRIC LOADING RACK SYSTEM

WITH REAR DEPLOYMENT

LIFT / LOWER EQUIPMENT SAFELY & EFFORTLESSLY

Specifically engineered for businesses that prioritise worker health and safety, the electric version of ErgoBack is perfect for easily deploying all types of ladders and other equipment from the rear of Light Commercial Vehicles and fire brigade vehicles.

Enhance your organisation's ROI by minimising potential health and safety-related injuries, shortening loading and unloading times to less than 30 seconds and maximising your vehicle's storage capacity.

ERGOBACK ELECTRIC ADVANTAGES

ELECTRIC - EASY & SAFE OPERATIONS

Deploy equipment from the roof to the ground and back with the push of a button, using a remote control. No need to climb on the roof.

FAST DEPLOYMENT

(Un)load ladders in less than 30 seconds, including secure and release operations, all handled from the ground.

ADJUSTABLE TO ALL LADDERS

The Top Build easily adapts to transport security, platform, straight, and telescopic ladders.

VERSATILE CARGO POSSIBILITIES

Designed for ladders, it also accommodates items like inflatable rescue boats, kayaks, tool containers. hose pipes and other custom options.

LOW MAINTENANCE

Constructed from high-grade aluminum, the system requires minimal maintenance and ensures long-lasting durability.

SUPPORTS LCVs & OTHER VEHICLES

Available in various sizes, tailored with channels, mountings, crossbars, and a rear deployment system for most Light Commercial and rescue vehicles.

NEVER EXCEED THE VEHICLE ROOF STRUCTURE'S MAXIMUM PAYLOAD CAPACITY

ALL-INCLUSIVE LADDER RACK SOLUTION

1. CHANNEL & MOUNTINGS

Form the BASE where deployment system is installed. Tailored to the vehicle's roof, often requiring no drilling. Optional for rescue vehicles.

2. CROSSBAR

Provide a robust and stable foundation for the rear load system, situated between the Base and the deployment system.
Also allows for flexible combinations of PDE solutions on the roof.

3. REAR DEPLOYMENT SYSTEM

Enables smooth, controlled deployment of cargo, reducing physical strain and improving safety. Designed to accommodate various types of Top Build.

4. TOP BUILD

Various Top Build options are available to load and secure specific equipment from the ground. Easy to install and adjust.

A. LADDER HOLDER

Omega + Plate. Adjustable horizontally or vertically between ladder rungs, with options for 223 mm (default), 323 mm, and 423 mm heights.

B. SIDE SUPPORTS

Choose between 2 sizes, adjustable to the width of the ladder (300 - 700 mm and 300 - 1000 mm), or
for the Double system Top Build (2 ladders on 1 system).

C. AUTO-RETRACTABLE TIE-DOWN

Spring-loaded auto-retractable strap for extra ladder securing. Easy to use, fast securing.

5. MOTOR

Drives the rear deployment mechanism with no effort from the operator. Its advanced design ensures reliable performance, longevity, and minimal maintenance.
24V-motor (12V available soon).

6. REMOTE CONTROL

Wired or wireless for easy control. In the event of a power failure, manual overwrite available.

VERSATILE & ADAPTABLE TOP BUILDS

SINGLE OR DOUBLE

Choose between a Top Build for carrying one ladder or one that allows you to carry two ladders on the same ErgoBack Electric system.

CARRY ANY LADDER

Omega plate can be adjusted vertically and horizontally to efficiently secure all types of ladders including, telescopic, security and platform ladders.
Side supports can be moved up and down and adjusted to the width of the ladder at the top and bottom.
Integrated tie down with auto-retractable system.

CLAMP NEW

Ideal for fiberglass ladders, but not exclusively. “Pinches” the rung strongly and secures it from the ground with no vibration or friction, protecting the specific property of the fibre ladder. Possibility to secure the ladder with a padlock.

CARRY OTHER EQUIPMENT:

INFLATABLE RESCUE BOATS, KAYAKS, HOSE PIPES, TOOL CONTAINERS...

We adapt our existing Top Builds to suit your needs.
We also offer additional Top Builds specifically engineered for fire brigade requirements.

VERSATILE & ADJUSTABLE TO YOUR LOAD AND VEHICLE

HOW TO OPERATE:

Use of remote control.

OPEN / CLOSE DEPLOYMENT TIME:

< 30 seconds.

SYSTEM SIZES:

Length: 2.8m, 3.2m, 3.8m, 4.4m.
Weight: 59 - 74 kg.

MAXIMUM PAYLOAD:

80° angle systems: Up to 80 kg.
15-45° angle systems: Up to 150 kg.
(Depending on model)

SYSTEM POSITIONING ON THE ROOF:

Left, right, middle.
On both sides of the roof.
Combine it with another ErgoBack or ErgoRack system on the roof.

ALL-INCLUSIVE FEATURES:

Base: Channel and mountings (no drilling required for most LCVs).
Crossbars: For strong & stable installation of the roof rack system.
Electric rear deployment system.
Top Build: To carry and secure equipment for transport.

CARGO COMPATIBILITY:

All types of ladders: straight, telescopic, with security arms or bars and platform ladders.
Other equipment like boats, kayaks, tool containers, hose pipes, etc.

MATERIAL & MANUFACTURING:

High-grade aluminum.
Solid and stable.
100% made in Europe.

For technical details on the electrical system, auto-tension drive unit and emergency override, please visit our website: pde-group.com

ERGOBACK FOR FIRE BRIGADE VEHICLES

ErgoBack Electric also exists with a variant for fire brigade needs, with a 80° angle system or a custom 15-45° deployment angle, as well as additional Top Build solutions. It can be installed on any fire rescue vehicles or trucks with or without PDE base (channel and mounting). Drilling may be required.

Maximum payload: Up to 150 kg.

Contact us for further details.

EXPLORE OUR FULL PRODUCT RANGE

AluRack

ErgoRack

Accessories+

AluBars

ErgoBACK

ErgoBACK e PRO

ABOUT PDE

Prime Design Europe is a leading manufacturer of aluminum roof rack systems for Light Commercial vehicles, fire brigade trucks, and pickups. We develop and manufacture innovative and patented product lines (ErgoRack™, ErgoBack™, AluRack®, AluBars, and DirectMount ranges) with a focus on workers' health and safety.

Our ergonomic and aerodynamic solutions are distributed to professionals through partners and specialists across Europe.

PDE roof racks and systems are protected by patents.

Prime Design is a partner of the Austrian initiative for safe transport: www.sicher-transport.eu

and an official partner of the 'Van Excellence Code' aimed at enhancing standards of van operator compliance.

With our ISO 9001:2015 and ISO 14001:2015 quality management systems, we guarantee the highest standards in the sales and distribution of our products, continuously evaluating the quality of our work.

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