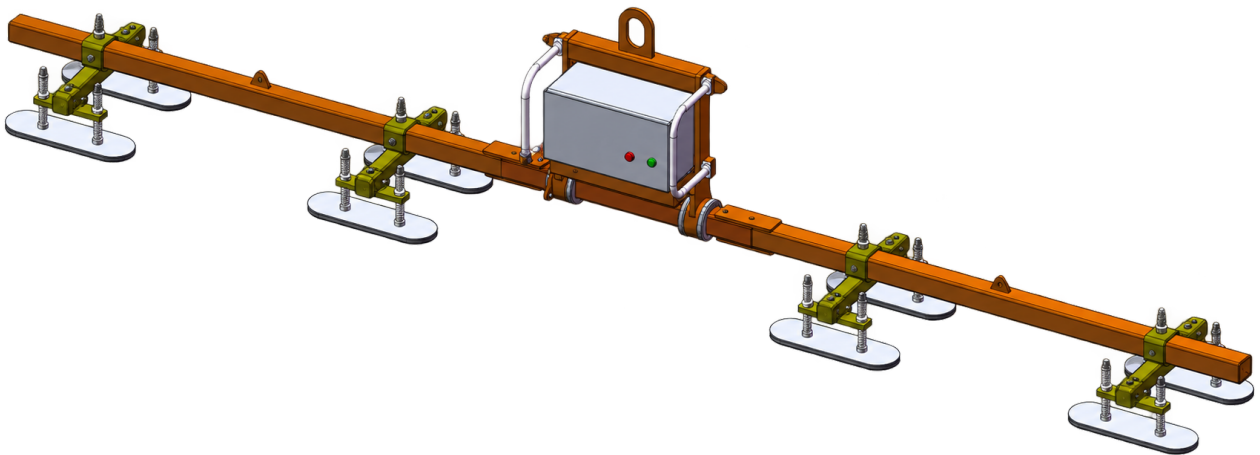


PRODUCT SPECIFICATION

ET-CL-ROOF-1000

Roof & Wall Sandwich Panel Vacuum Lifter

ET-CL-ROOF-1000 is an Easytech roof & wall sandwich panel vacuum lifter. Horizontal handling load: 1000 kg; Vertical handling load: 500 kg; Load conditions: 60% vacuum level; Pad dimensions: 120 × 520 mm; Number of pads: 8 pcs.



Series reference image.

Drive: Battery

Mounting: Crane hook

Materials: Sandwich panels, Roof panels, Wall panels

Configuration, complete technical data and selection guidance

Read the specified load and movement with their conditions. This document supports purchasing and project definition; the supplied equipment instructions govern operation and maintenance.

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Technical specifications

Parameter	Specification
Horizontal handling load	1000 kg
Vertical handling load	500 kg
Load conditions	60% vacuum level
Main frame	1200 × 500 × 1055 mm
Extension beams	Extension beams on both sides; separate arrangements for horizontal roof panels and vertical wall panels
Pad dimensions	120 × 520 mm
Number of pads	8 pcs
Vacuum pump	CV-60,DC12 V
Maximum pump flow	60 L/min
Maximum vacuum pressure	-85 kPa
Pump start / stop settings	-60 / -70 kPa
Vacuum system	Independent reservoir, non-return valve and visible vacuum gauge
Control	Manual and wireless remote; hold remote release for 3 s
Tilting	Manual horizontal / vertical changeover; spring locking
Alarm	Audible and visual alarm for low vacuum or power failure; independent battery
Accessories	Safety strap attachment

Roof and wall orientation

The published horizontal load is 1,000 kg and the vertical load is 500 kg at the stated vacuum condition. Match the extension arrangement and pads to the actual panel profile. Panel length and outdoor limits are not derived from the frame size.

Selection point	This configuration
Horizontal handling load	1000 kg
Vertical handling load	500 kg
Load conditions	60% vacuum level
Pad dimensions	120 × 520 mm
Main frame	1200 × 500 × 1055 mm

Equipment and intended application

This cladding lifter uses a vacuum frame and extension beams to support roof or wall panels. Horizontal and vertical handling have different stated ratings. The frame orientation, pad position and panel profile must be considered together.

Application and integration requirements

Topic	Details
Panel profile	Place each pad on a contact strip wide and flat enough for its complete seal. Rib spacing, seams and protective films affect whether the stated pad geometry fits.
Panel stiffness	Check the longest panel, its core and skins, unsupported overhang and approved lifting points. Do not infer a maximum panel length solely from load capacity.
Roof versus wall use	Use the rating for the actual orientation. A higher horizontal rating is not the vertical rating, and a panel must remain supported during release.

Installation, inspection and service checks

Topic	Details
Setup	Select the horizontal or vertical beam arrangement, lock the frame and route hoses clear of panel edges.
Vacuum controls	Check the vacuum gauge and fitted warning system. Operate the grip and release controls according to the equipment instructions; release the panel only after it is securely supported.
Maintenance	Inspect seals, extension-beam locks, hoses and the safety-strap attachment before use.

Troubleshooting priorities

Topic	Details
Unexpected grip, motion or control behaviour	Stop with the workpiece supported. Inspect the affected connection, contact area and power or air supply, then follow the installed equipment instructions before returning to service.
Replacement does not fit or changes performance	Check the component identity and system configuration. Do not modify interfaces or bypass protective functions to make a substitute fit.

Frequently asked questions

What load should I use when selecting ET-CL-ROOF-1000?

Use 1,000 kg for horizontal handling or 500 kg for vertical handling at the stated 60% vacuum condition. Match the frame and pad arrangement to the panel profile and installation orientation.

What determines compatibility?

Place each pad on a contact strip wide and flat enough for its complete seal. Rib spacing, seams and protective films affect whether the stated pad geometry fits.

What needs checking beyond the listed size or load?

Check the longest panel, its core and skins, unsupported overhang and approved lifting points. Do not infer a maximum panel length solely from load capacity.

What defines the supplied configuration?

The specified model, listed technical arrangement and accepted options define the product. Project drawings, utilities, accessories and installation interfaces must describe the same configuration.

Information for application assessment

- Identify the workpiece material, dimensions, mass, contact surface and centre of gravity. Include the least favourable item in a mixed production range.
- Describe pickup and placement positions, required orientation changes, handling frequency and the site layout.
- Identify the available power or air supply and any host machine, crane, support structure or interface that must be retained.
- State the destination market and required documentation, accessories and packing constraints so the proposed configuration can be assessed as a complete system.

Document scope

This product specification supports equipment selection and project definition. It includes the model data and application guidance presented on the product page. The operating instructions supplied for the actual machine govern commissioning, testing, maintenance procedures and safe use; this specification does not replace them.

[View this model on the Easytech website](#)

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