

PRODUCT SPECIFICATION

ETJSZ-N100

8-Inch Electric Handheld Vacuum Cup

ETJSZ-N100 is an Easytech 8-inch electric handheld vacuum cup. Recommended horizontal suction load: 120 kg; Battery: 3.7 V DC / 5000 mAh lithium battery; Pad / panel dimensions: 8 in.



Series reference image.

Drive: Lithium battery

Mounting: Handheld

Materials: Glass, Stone, Metal sheets, Concrete blocks

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
Recommended horizontal suction load	120 kg
Battery	3.7 V DC / 5000 mAh lithium battery
Maximum vacuum pressure	-65 kPa
Pad / panel dimensions	8 in
Net equipment weight	0.9 kg
Operating time	24 h+; actual duration depends on the duty cycle
Automatic start / stop	Included; pump stops at the adjustable vacuum setpoint
Automatic vacuum replenishment	Included
Surface limitations	Peak-to-valley < 2 mm; curvature < 3°

Portable contact footprint and load direction

Use the stated horizontal suction-load condition and surface limits. The two ETJSZ-N100 records are different devices: an 8-inch handheld cup and a single rectangular-pad portable lifter. Neither a model name nor an individual cup rating establishes a complete multi-cup or suspended lift.

Compare the published configuration

Selection point	ETJSZ-N100 - 8-Inch Electric Handheld Vacuum Cup	ETJSZ-N200 - Rough-Surface Electric Handheld Vacuum Cup	ETJSZ-N100 - Single-Pad Portable Vacuum Lifter
Recommended horizontal suction load	120 kg	120 kg	200 kg
Pad / panel dimensions	8 in	142 × 232 mm	260 × 260 mm × 1
Net equipment weight	0.9 kg	1.3 kg	3 kg
Surface limitations	Peak-to-valley < 2 mm; curvature < 3°	Peak-to-valley < 2.5 mm; curvature < 3.5°	Peak-to-valley < 3 mm; curvature < 5°

Equipment and intended application

This handheld vacuum device provides a portable grip on the surfaces described in its specification. Its recommended horizontal suction load is not an overhead-lifting or vertical shear rating. Selection must account for the contact surface, load orientation and how the user controls the workpiece.

Application and integration requirements

Topic	Details
Surface	Keep the full pad within the usable area and within the stated roughness and curvature limits. Test the actual coating or texture.
Orientation	Apply the stated load only in the specified orientation. Do not extrapolate a vertical or crane-suspended rating.
Power	Check the battery charge and vacuum indication. Automatic replenishment does not remove the need to monitor grip and react to leakage.

Installation, inspection and service checks

Topic	Details
Before use	Inspect the pad, controls and charge state; clean the intended contact area.
Handling	Apply the device squarely, establish vacuum and maintain a controlled handling posture. Support the workpiece before release.
Maintenance	Inspect the sealing face for wear or cuts and maintain the battery according to its instructions; stop use if vacuum decays abnormally.

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 ETJSZ-N100?

The recommended horizontal suction load for ETJSZ-N100 (8-Inch Electric Handheld Vacuum Cup) is 120 kg. This is a horizontal suction-load figure, not an unrestricted vertical or overhead lifting rating. Match the permitted surface, gripping direction and complete handling arrangement to the model instructions. Do not add individual cup ratings to establish the capacity of a multi-cup lift.

What determines compatibility?

Keep the full pad within the usable area and within the stated roughness and curvature limits. Test the actual coating or texture.

What needs checking beyond the listed size or load?

Apply the stated load only in the specified orientation. Do not extrapolate a vertical or crane-suspended rating.

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.

Contact Easytech

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