

PRODUCT SPECIFICATION

ETJSB-Q500-B3M

Pneumatic Jib Crane Vacuum Lifting System

ETJSB-Q500-B3M is an Easytech pneumatic jib crane vacuum lifting system. System rated load: 500 kg; Column dimensions: 3320 mm; Lifting stroke: 100-1100 mm; Maximum workpiece dimensions: 3000 × 1500 mm; Air supply pressure: 0.6-0.8 MPa.



Series reference image.

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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Configuration at a glance

Drive	Compressed air
Mounting	Floor-mounted column
Materials	Metal sheets

Technical specifications

Parameter	Specification
System rated load	500 kg
Column dimensions	3320 mm
Jib length	3000 mm
Lifting stroke	100-1100 mm
Maximum workpiece dimensions	3000 × 1500 mm
Air supply pressure	0.6-0.8 MPa
Equipment dimensions	3430 × 3000 × 2000 mm
Number of pads	8 pcs
Pad diameter	200 mm

Pneumatic vacuum workstation coverage

The system uses 0.6-0.8 MPa compressed-air supply and lists a 100-1,100 mm lifting stroke. Compare the chosen 3 m or 4 m jib against the workstation and the specific system load; air-supply pressure is not a vacuum level.

Compare the published configuration

Selection point	ETJSB-Q500-B3M - Pneumatic Jib Crane Vacuum Lifting System	ETJSB-Q500-B4M - Pneumatic Jib Crane Vacuum Lifting System	ETJSB-Q300-B4M - Pneumatic Jib Crane Vacuum Lifting System
System rated load	500 kg	500 kg	300 kg
Jib length	3000 mm	4000 mm	4000 mm
Lifting stroke	100-1100 mm	100-1100 mm	100-1100 mm
Maximum workpiece dimensions	3000 × 1500 mm	3000 × 1500 mm	3000 × 1500 mm
Air supply pressure	0.6-0.8 MPa	0.6-0.8 MPa	0.6-0.8 MPa

Equipment and intended application

The crane or workstation structure supports the lifting device and its load over the intended working area. A column-and-arm structure, a complete vacuum-jib system and a cylinder/pad assembly are different supply scopes. The scope specified below determines what must be added to form a working system.

Application and integration requirements

Topic	Details
Coverage	Plot the pickup and placement positions, arm sweep or rail travel and obstructions. Arm length is not the same as unobstructed usable reach.
Headroom	Allow for the structure, trolley, hoist or cylinder, attachment and workpiece. Check the highest placement and lowest pickup against the complete installed assembly.
Foundation or support	Assess the column foundation, wall or overhead structure for the full system loads. Do not infer an anchor size or foundation depth from rated capacity alone.

Installation, inspection and service checks

Topic	Details
Installation	Use the approved structural arrangement and foundation/anchor design. Check alignment, fixings, travel stops and routing of utilities.
Commissioning	Test movement and controls unloaded, verify the lifting attachment and complete the prescribed load checks before production.
Maintenance	Inspect structural connections, trolley or pivot wear, stops and the lifting assembly. Stop operation when loose fixings, distortion or abnormal travel is found.

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 ETJSB-Q500-B3M?

The stated rated load for ETJSB-Q500-B3M is 500 kg. Apply it only to the specified configuration and operating conditions. Include the workpiece geometry, orientation and any tooling in the application assessment; do not combine separate maximum reach, height and capacity values.

What determines compatibility?

Plot the pickup and placement positions, arm sweep or rail travel and obstructions. Arm length is not the same as unobstructed usable reach.

What needs checking beyond the listed size or load?

Allow for the structure, trolley, hoist or cylinder, attachment and workpiece. Check the highest placement and lowest pickup against the complete installed assembly.

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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