



BISON
LIFTING EQUIPMENT

User Manual

Single Phase Motorized Trolley



Introduction

This manual is provided by Bison Lifting Equipment covering the safe operation and maintenance procedures for the Single Phase Motorized Trolley.

This manual contains instructions on installation, general operating procedures, and maintenance practices.

Contents

1. Warnings
2. Assembly
3. Wiring Diagram
4. Warranty Information

WARNINGS

ALWAYS read the owner's manual and safety instructions.

Read and understand this entire manual before attempting assembly or operation.

Only use the equipment if you are properly trained and experienced in operating Single Phase motorized trolleys.

Never use the equipment for other than it's intended use.

Only use the provided hardware to mount or suspend the trolley.

Never use the equipment to support more than the rated load.

Never use the equipment to transport loads over or near people.

Never operate the equipment if it is damaged or malfunctioning.

Never use the equipment to assist in lifting, supporting, or transporting people.

Never operate the equipment if the load is not centered under the trolley.

Never remove or obscure the warning tags.

Do NOT operate the equipment in explosive, corrosive or dangerous environments.

This trolley is not intended to be used as a pulley or for any other force to be applied other than directly centered below the shaft and securely fastened.

Do NOT apply load unless trolley wheels are properly seated on the beam flange and guide rollers are appropriately adjusted.

Ensure the trolley is installed on a structure designed to support the full weight of the rated load.

Ensure load is spread equally on all trolley wheels.

Never use a hoist with greater capacity than the trolley.

DISCLAIMER

Under no circumstances does Bison Lifting Equipment assume any liability for the use of these voluntary recommendations, and no warranty whatsoever is made in connection with them. The recommendations do not take precedence over existing plant safety rules and regulations and/or OSHA regulations.



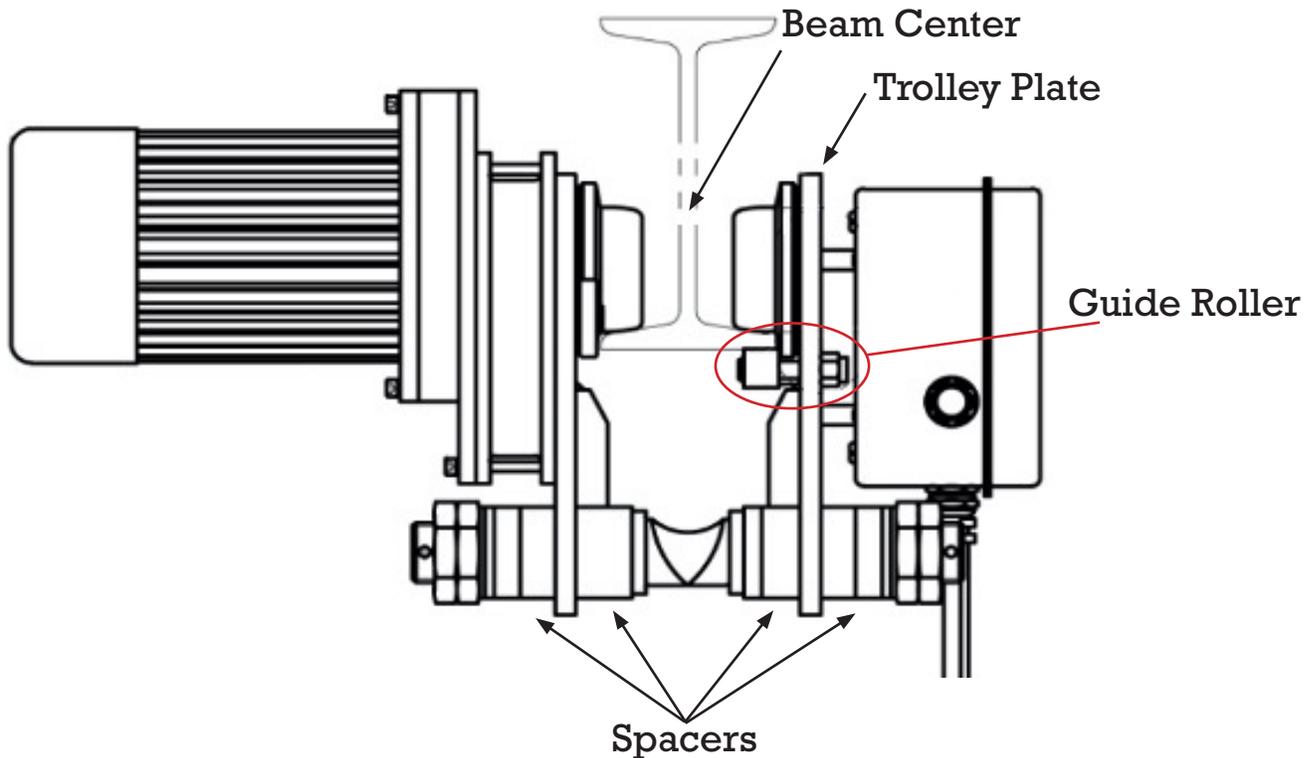
Initial Set Up

Single Phase Motorized Trolley

First, remove the trolley from the crate.

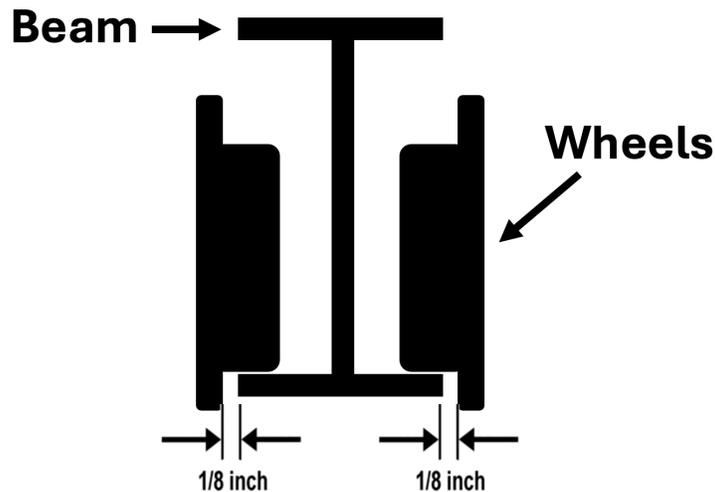
The trolley must be installed on it's own first without the hoist being attached.

The trolley has a shaft with nuts and spacers. The width of your beam determines how many spacers you should use between the two trolley plates, or outside the trolley plates along the shaft. Ensure your trolley's spacers are spread out evenly on either side of the shaft's mid-point, so that the mid-point of the shaft is in line with the center of the beam.



Spacing and Guide Rollers

When mounting the trolley to the beam, allow 1/8" space between the wheel edge and the beam flange edge. See below.



Initial Set Up

Once you have the trolley correctly spaced to suit your beam, tighten the nuts to ensure it does not come loose.

Below the trolley there are two small rollers that keep the trolley from tilting or lifting while moving a load. Ensure you tighten these guide rollers against the underside of the beam flange. This will help provide maximum contact between the trolley wheel and the top side of the beam flange.

Adjusting Wiring from 115V to 230V

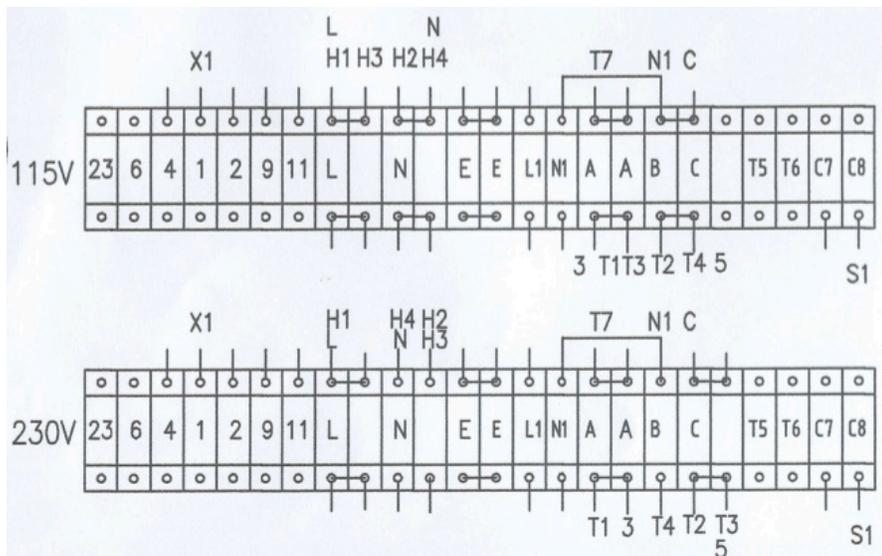
1. Remove the parallel connection from terminal N. You will not use this part.
 2. Remove wires H2 + H4 from terminal N.
 3. Remove wire H3 from terminal L.
 4. Wire H2 + H3 must go to the blank right side after terminal N.
 5. Wire H4 must go to terminal N.
 6. There is another parallel connection between terminal B + terminal C.
- Move this parallel to terminal C + the blank right side after terminal C.
7. Move wire T2 from terminal B to terminal C
 8. Move wire T3 from terminal A to terminal C.

T2 + T3 are now together.

Note: DO NOT move the wire #5 from terminal C. It must stay.

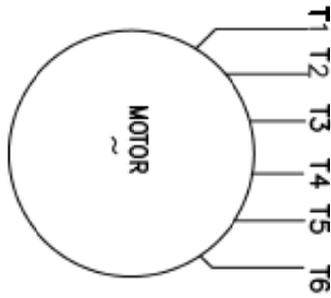
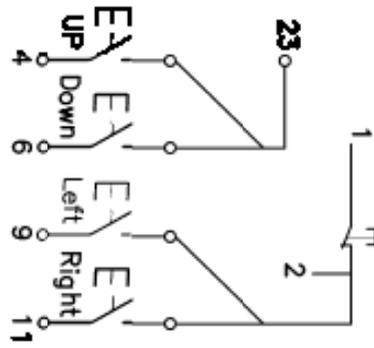


Parallel Connector

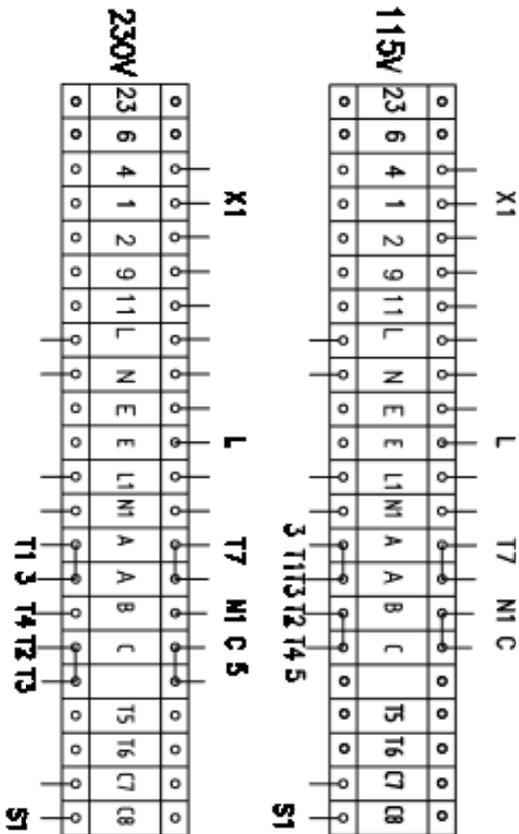
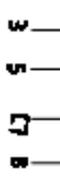
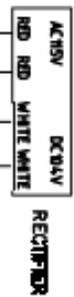
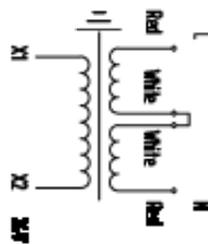
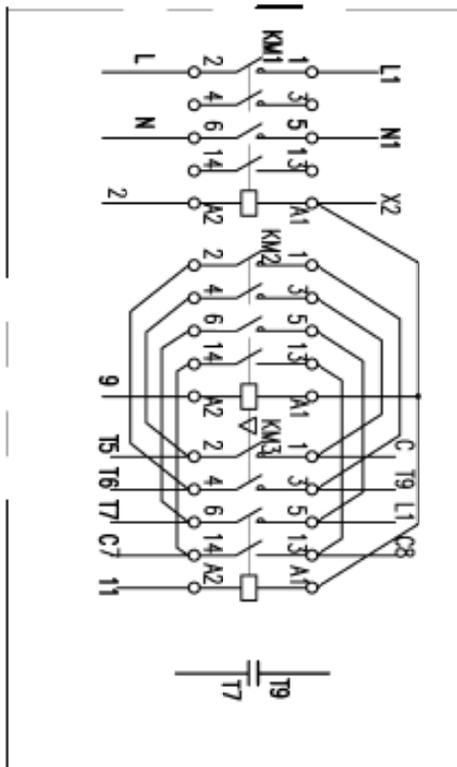


Specifications

BISON SINGLE PHASE MOTORIZED TROLLEY WRING DIAGRAM



115V/230V
60Hz



Subject to technical changes without prior notice



Warranty Terms and Conditions

All Bison products are backed by a 12-month warranty from the date of shipment. The product must be used according to the manufacturer's guidelines and should not be subjected to misuse, neglect, unauthorized repairs or modifications, abuse, or lack of maintenance.

If any material or workmanship defect is found within this 12-month period, as verified by Bison's inspection, Bison will choose, at its discretion, either to repair or replace the defective part or product (excluding installation), at no charge. Before returning the product for warranty evaluation, the customer must obtain a return merchandise authorization as directed by Bison or an authorized repair location. The product must be shipped with an explanation of the issue and freight prepaid. The repaired product will remain under the original warranty for the remaining time. Replacement parts installed after the original warranty period will be covered for one year from the installation date. If no defect is found, or if the defect is outside the warranty's scope, the customer will bear the return shipping costs.

If you wish to return the product outside of any defect found, the customer must obtain a return merchandise authorization as directed by Bison or an authorized dealer. The return must take place within 30 days of the original date of shipment. Returned items are to be inspected by Bison before a refund is authorized. Items that have been used, or are no longer in the original packaging, may be denied. Items returned for reasons outside of the warranty are subject to a 25% restocking fee. Customized items are non-returnable.





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