

## MOHAWK MODEL RJ-50A

Electric / Hydraulic Rolling Jack Beam for wheel free operations on a four post track lift.

**THIS LIFT OPTION IS ALI / ETL CERTIFIED AND ETL LISTED TO ANSI/ALCTV-1998** when used in conjunction with Mohawk Lift models: TR-35, TR-50 or TR-75.

<b>CAPACITY</b>	<b>See Below *</b>
<b>OVERALL LENGTH</b>	<b>54-3/8"</b>
<b>OVERALL WIDTH</b>	<b>24-1/2"</b>
<b>OVERALL HEIGHT - Cylinders Upright</b>	<b>15-1/16"</b>
<b>LIFTING HEIGHT (STROKE) without any adapters</b>	<b>8"</b>
<b>LIFTING SPEED - One Cylinder</b>	<b>51 Seconds</b>
<b>LIFTING SPEED - Two Cylinders</b>	<b>102 Seconds</b>
<b>LOWERING SPEED - One Cylinder</b>	<b>37 Seconds</b>
<b>LOWERING SPEED - Two Cylinders</b>	<b>74 Seconds</b>
<b>MOTOR RATING:</b>	<b>1 HP, 120 VAC, Single Phase</b>
<b>SHIPPING WEIGHT</b>	<b>590 Lbs.</b>

**CAPACITY: \*** Single RJ-50A rated at 24,500 lbs on a TR-35.  
Single RJ-50A rated at 35,000 lbs on a TR-50.  
Single RJ-50A rated at 50,000 lbs on a TR-75.  
The total aggregate capacity of any combination of jacking beams cannot exceed rated capacity of lift.

**STANDARD EQUIPMENT:** Flat Lifting Pads (2)  
Axle Lifting Pads (2)  
5" Stackable Height Adapters (2)  
7 1/2" Stackable Height Adapters (2)  
10" Stackable Height Adapters (2)

**LIFTING MECHANISM** Two (2) hydraulic cylinders resting directly into the Jacking Beam framework. Mohawk's Exclusive Extended Lifetime Cylinder Warranty on the hydraulic cylinders. There are no cables, chains or mechanical screws used in lifting.

**HYDRAULIC SAFETY SYSTEM** Load holding check valves integrated into each section of the directional control valve. Flow regulating valves mounted inline with each cylinder minimize collapse speed in the event of fluid leakage.

**MECHANICAL SAFETY SYSTEM** Axle compresses under load to provide direct frame contact between the jack beam frame and the lift runways.

**ELECTRICAL SYSTEM FEATURES**

Circuit design passes purposeful dysfunction test. All electrical **SAFETY** components are CSA or UL listed. Power Unit supplied with 120 VAC 1 HP motor with Class I-Div 2 rated locking plug. One Class I-Div 2 rated locking receptacle provided at each end of track for powering jacking beams. Power to receptacles blocked by limit switch kit when lift is below 18" from floor level. Manual motor starter with overload thermal protection also supplied.

**SYSTEM CONTROLS**

On off electrical rocker switch. Tandem four-way, three position, spring centered hydraulic valve with parallel flow circuit and integral load holding check valves. Manual control for leveling using the two actuating handles. Either cylinder may be operated independently or in parallel as required.

**POWER UNIT**

Self contained modular design. Fixed displacement gear pump submerged into reservoir. Three gallon capacity steel reservoir. Full flow externally adjustable system relief valve. Suction line strainer 100 micron nominal. Recommended operating temperature range 50 to 130 degrees F. Hydraulic fluid medium: Dexron III.

**JACK FRAME CONSTRUCTION** Two (2) 10" x 2" x 1/4" wall high strength structural tubes joined with a 1/2" steel base plate and multiple 3/8" steel closure plates. A full width handle is provided as well as two brackets for storage of height adapters and lifting pads.

**AXLES / BEARINGS**

Four (4) axles are provided with matching steel sleeves housing two set screws for minor width adjustments. Four heat treated machined rollers attach to the axles using standard external snap rings. These rollers ride along the integral steel railing provided on the TR Series inner runway.

**MANUFACTURING SPECS**

Meets or exceeds UL-201 and ANSI\ALI ALCTV-1998. Made with pride in the USA.

**TESTING AND ASSEMBLY**

Each and every unit is fully assembled and factory tested prior to shipment.

**WARRANTY**

Mohawk's Exclusive Extended Lifetime Cylinder Warranty on the hydraulic cylinders. Five (5) years parts and labor for structural & mechanical. One (1) year parts and labor for electrical components and power unit.

**SALES, INSTALLATION, TRAINING, & SERVICE:** Only by experienced, factory authorized professionals.