

#97200 EZELift

6,000lb Compact, Mid-rise Scissor Lift

Operators Manual

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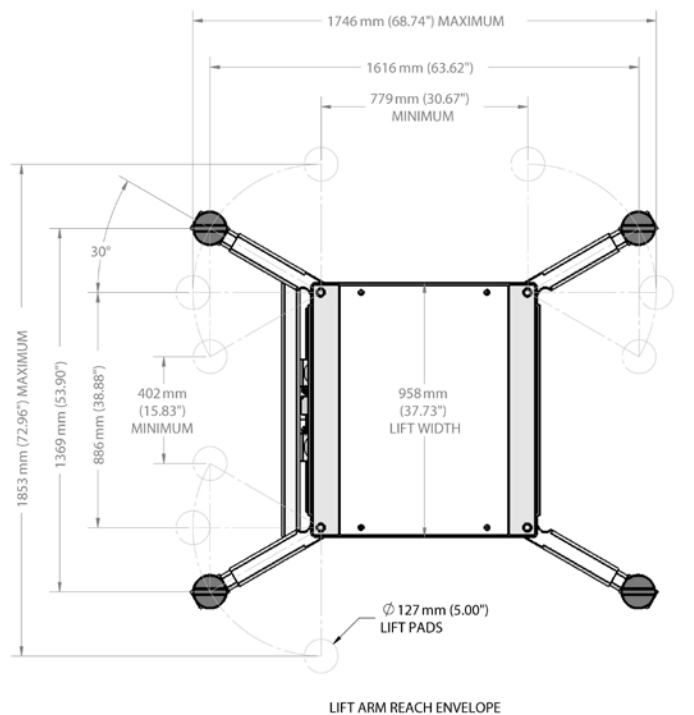
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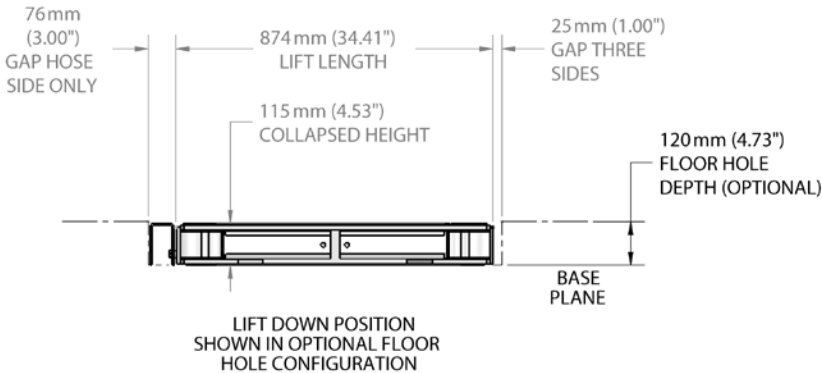
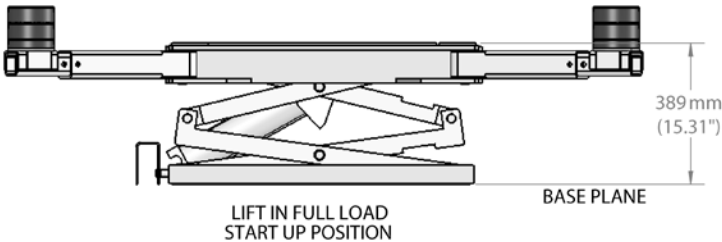
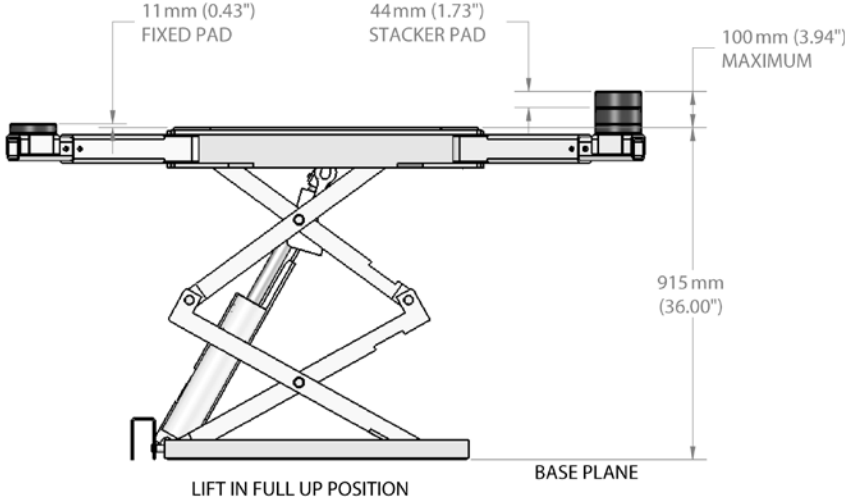
General Information

1. Please read entire contents of this manual prior to installing and operation.
2. This manual is considered to be an integral part of the EZElift and must remain with it for its useful life
3. Only trained and authorized personnel shall be allowed to use and maintain the EZElift.
4. Do not overload this lift:

 **Max. 2700 Kg**
(6000 Lbs.) 



Product Specifications



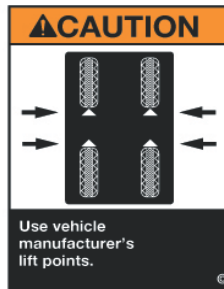
Safety Instructions and Warnings



SAFETY WARNING LABELS FOR HINGED FRAME ENGAGING LIFTS

Lift Owner/User Responsibilities:

- A. This Safety Warning placard SHALL be displayed in a conspicuous location in the lift area.
- B. These Safety Warning labels supplement other documents supplied with the lift.
- C. Be certain all lift operators read and understand these labels, operating instructions and other safety related information supplied with the lift.



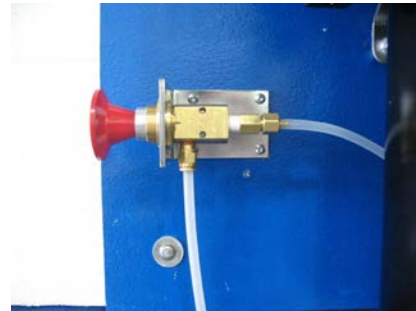
Operator Instructions

The EZELift operation is comprised:

A tethered remote for **Up** (black arrow on white background) and **Down** (white arrow on black background) operation



and



Safety lock release (red) button mounted at the Control Box

Raising the EZELift

1. Follow the safety measures and warnings
2. Position the vehicle so that it is centered correctly from side to side over the lift
3. Position the vehicle correctly from front to back so that centre of gravity distributes the weight evenly over the middle of the lift.
4. If the EZELift is recessed, raise the lift to allow the arms to be positioned
5. Position the lifting arms as required for the type of repair being performed
6. Ensure that all lifting arms make proper contact safely with the vehicle's recommended lifting points
7. Raise the vehicle so that it just clears the floor
8. Inspect lifting arms for position and contact
9. Raise vehicle to desired position using remote

10.

Before working on vehicle, lower vehicle so that the EZELift is resting on the safety lock at the desired height.



Lowering the EZELift

1. Follow the safety measures and warnings
2. Ensure the area around the vehicle is clear
3. Using the tethered remote, raise the vehicle to clear the closest notch in the safety lock
4. Push and hold down the safety lock release (red) button
5. Lower the vehicle while depressing the safety lock release button
6. When vehicle is on the floor, remove lifting accessories and fold arms into the EZELift
7. If the EZELift is recessed, lower into the floor
8. The vehicle can now be removed

Installation

Lift Location

1. Ensure adequate space is available for lift and vehicles
2. Reference architectural drawings if available (Request Wedge Clamp **97210-FHL EZE Lift 56-110 Floor Hole Layout** drawing for dimensions and installation template)
3. Be aware of overhead obstructions that may contact vehicle when raised
4. EZELift is for indoor installations only
5. Minimum 1 ½" conduit size recommended for in-ground hydraulic and air lines to the lift pit

Floor Requirements

1. EZELift is designed for level floor installations only
2. EZELift should only be installed on concrete floors
3. Do not use on defective or cracked concrete and avoid seams

Concrete Specifications

1. EZELift requires: 89mm (3.5") Minimum Thickness / 3000 PSI
2. New concrete must be allowed to cure for 28 days

Electric Motor

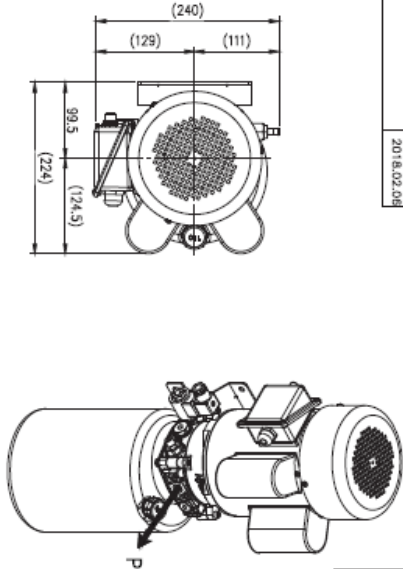
1. 110V, Single Phase, 1.5Kw, 60Hz.
2. Requires dedicated 15a circuit
3. Trips at maximum 125% of amperage setting



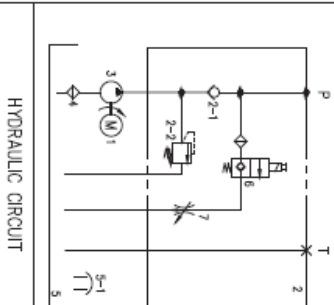
Hydraulic Power Supply

Rev.	No.	Revision	Date
001	001	Pump code change : G011B -> G011J	2018.02.08
001	001	Remove hoist switch	2018.02.08

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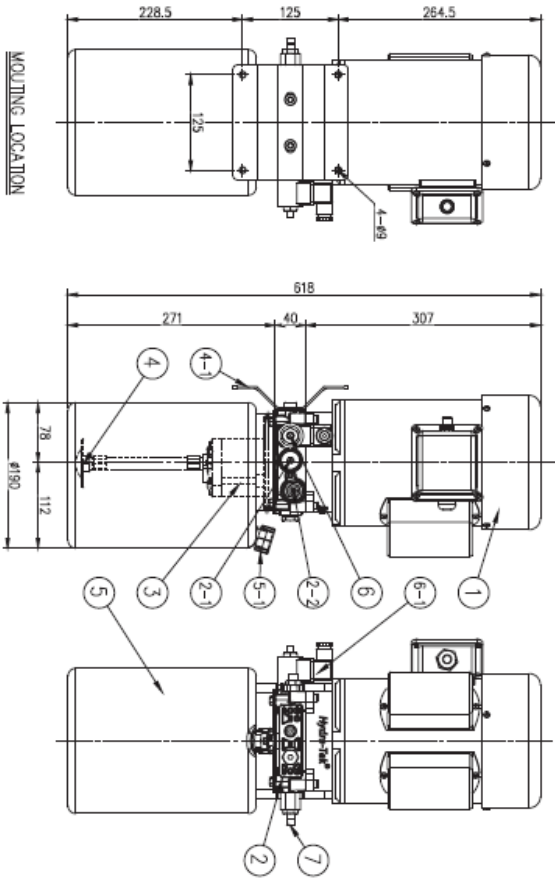


NOTE
 P PORT : SAE #6 (UNF 9/16)
 COIL : AC 110V, DIN TYPE



HYDRAULIC CIRCUIT

Designed by *[Signature]* Checked by *[Signature]* Confirmed by *[Signature]*



No.	Description	Qty	Remark
7	PRESSURE COMPENSATED ADJUSTABLE THROTTLE VALVE	1	CA08-22N (Flow range 2~20 L/min)
6-1	COIL	1	AC 110V, DIN CONNECTOR
6	SOLENOID VALVE	1	NC08-200W (Normally closed)
5-1	AIR BREAKER	1	AB14 (PFS/B)
5	TANK	1	CHARACTY 6L (Steel / Round)
4-1	BRACKET	1	B-Type
4	SOLUTION FILTER	1	SF2 (Filtration 100 mesh)
3	PUMP	1	1.1 cc/rev
2-2	RELIEF VALVE	1	PR08-20N (Setting pressure 180 bar)
2-1	CHECK VALVE	1	CR08-20N (Working pressure 3 bar)
2	CENTER BLOCK	1	KA7/600
1	MOTOR	1	φ1~2P, 1.5kW, AC 115/230V, 60Hz

Scale: N/S
 Form Information for AutoCAD 2004 A3
 Dwg No. 000-0001889
 Rev. 001

Hydro-Tek
 0101202(주)

Client: WEDGE CLAMP
 Title: AC POWER PACK
 Date: 2016.07.28
 Designer: J. H. Lee
 Checker: W. S. Choi

Maintenance

Ordinary Maintenance

1. The EZElift and the surrounding pit (if recessed) should be vacuumed and cleaned at least once a month.
- 2.
3. Ensure the hydraulic cylinder rods are always clean and not damaged as this may result in leakage from seals and possible malfunctions as a consequence.

Periodic Maintenance

Every 3 months	Hydraulic circuit	x check oil tank level; refill if needed x check circuit for oil leaks x check seals; replace if necessary
	Foundation fastening bolts	check bolts are properly tightened
	Hydraulic pump	x verify no noise changes in the pump when running and check fixing bolts properly tightened
	Safety system	check safety devices for proper functioning
Every 6 months	Oil	check oil for contamination or ageing. Contaminated oil is the main reason for valve failure and shorter life of gear pumps
Every 12 months	General check	x verify that all components and mechanisms show no sign of damage
	Electrical system	x check that motor, limit switch and control panel operate properly - must be carried out by certified electricians
	Oil	x empty the oil tank and change the hydraulic oil

Troubleshooting

TROUBLE:	POSSIBLE CAUSE:	SOLUTION:
Lift does not work	There is no power	Check power source/breaker is turned on
	Wires in electrical box disconnected	Reconnect wires
	Fuses are blown	Replace fuses
Lift does not raise load	Not sufficient oil in hydraulic unit	Add hydraulic oil
	Presence of air in hydraulic circuit	Bleed the hydraulic system
	Solenoid valve not opening	Check , clean if dirty, or replace if faulty
	The maximum pressure (relief) valve is faulty	Check, clean if dirty, or replace if faulty
	The emergency lowering screw on solenoid valve is not closed	Retighten screw
	UP button is faulty	Check button and connection. Replace if needed
	Pump filter is dirty	Check, clean or replace as needed
	Pump suction does not function	Check seal and replace if necessary
Lift does not lower when DOWN button activated	The lowering solenoid valve not functioning properly	Verify that it is powered, check magneto for damage, replace if disconnected or blown.
	DOWN button is faulty	Check button and connection. Replace if needed
	Pressure of compressed air insufficient to activate safety lock	Increase air pressure
Lift does not lift or lower smoothly	Leakage of air or presence of air in hydraulic circuit	Bleed the hydraulic system
	Pump filter is dirty	Check, clean or replace as needed
	Pump suction does not function	Check seal and replace if needed