



**Long Form Specification**  
**Nordock DOCK-LIFT™ Series – Model DL Hydraulic Scissor Lift**

Available Lift Capacities: 4,000, 5,000, 6,000, 8,000, 10,000, 15,000 and 20,000  
Available Platform Widths: 6', 7' & 8'  
Available Platform Lengths: 8', 9', 10' & 12'

**PART 1 - GENERAL**

**1.01 WORK INCLUDED**

- A. Factory assembled scissor lift with platform, subframe, scissor legs, crossover lip, hydraulic cylinders, electric controls, and handrails.
- B. Installation and Owner's Manual.

**1.02 REFERENCES**

- A. ANSI MH 29.1 "Safety Requirements for Industrial Scissor Lifts"

**1.03 SYSTEM DESCRIPTION**

- A. Pit mounted scissor lift to the following requirements:
  - 1. Platform Size: ( )" wide x ( )" long.
  - 2. Lift Capacity: ( ) lbs.
  - 3. Vertical Service Range: Level to 60" above floor.
  - 4. Power Requirement: ( ) HP 3 Phase Motor ( ) Volts.
  - 5. Crossover Lip: 72" or ( )" wide x 18" or ( )" long to Project a minimum 10" beyond bumpers or bollards

**1.04 SUBMITTALS**

- A. Submit Manufacturer's installation instructions.
- B. Submit shop drawings showing pit dimensions, conduit positions and wiring schematics.

## PART 2 PRODUCTS

### 2.01 ACCEPTABLE MANUFACTURERS

- A. DOCK-LIFT™ Series - Model DL (\_\_\_\_\_) as manufactured by Nordock Inc.

### 2.02 EQUIPMENT

- A. Curb angles (Optional): 3 x 3 x 1/4 inch angle iron with concrete anchors to cover all pit edges.
- B. Scissor Lift:
  - 1. Platform: Unitized welded structure with non-slip checker plate deck surface welded to an understructure support grid. For toe protection, a minimum 8" high beveled guard to be welded to the underside of the full perimeter of deck. The platform sides to have black and yellow warning labels.
  - 2. Scissor Legs: High tensile solid steel plate contoured for maximum strength. Provide heavy wall hollow structural cross tubes for lifting and stability. Center pin to be micro-machined to accept self-aligning spherical bearings. High dynamic capacity cam follower rollers to be provided at the rolling end of legs.
  - 3. Hydraulic Cylinders: Cylinders to be regenerative type equipped with a velocity fuse to stop downward deck movement if the supply pressure is interrupted. Equip cylinders with polished chrome rod, guide bearing, spherical bearing, and high-pressure low-friction seals. Connection hoses to be SAE 100R2 high-pressure with factory crimped fittings.
  - 4. Power Unit: A remote mounted assembly with a totally enclosed fan-cooled motor, gear pump, valve manifold, relief valve, filters and an oil filled reservoir. Provide 20 feet of hose & fittings for connection to lift.
  - 5. Controls: Provide a NEMA 12 dust tight enclosure containing the motor starter, thermal overload, and a fused transformer to reduce the control voltage. Provide a NEMA 4 weatherproof push button station with 20 extended feet of retractable cord. All electrical components to be UL/CSA approved.
  - 6. Crossover Lip: Checker plate lip to be 72" wide x 18" long with a full width piano hinge welded to the lip and platform. Hinge rod to be zinc plated and coated with anti-seize lubricant. Provide zinc plated lifting chain for raising and lowering.
  - 7. Handrails: Provide 42" high removable handrails constructed of minimum 1 1/2" structural tube with a 4" high kick plate along the bottom edge. Position handrails to the outside of deck for maximum clear width access to platform. Provide zinc plated barrier chains with snap release across open ends of platform.

8. Frame: Welded sub-frame to provide the rolling surface for cam followers and scissor leg brackets. Frame to have anchor holes for bolting to pit floor and deck stops to ensure 200% rated roll over capacity in the fully lowered position. Provide a maintenance post to support the empty platform in a raised position.
9. Finish: All surfaces to be degreased and painted with high solid machinery enamel. Paint handrails safety yellow, the remainder of the lift to be standard manufacturer's color.

## PART 3 EXECUTION

### 3.01 PREPARATION

- A. Provide curb angles for setting pit edges. (Optional)

### 3.02 INSTALLATION

- A. Install in prepared pit in accordance with manufacturer's instructions.
- B. Adjust installed unit for operation as specified by Manufacturer.