



Architectural Specification

Nordock MAST-GUIDE™ Series – Model MG Hydraulic Platform Lift

Available Lift Capacities: 5,000, 8,000, 10,000, and 20,000
Available Platform Widths: 6’
Available Platform Lengths: 6’, 8’, & 10’

PART 1 - GENERAL

1.01 WORK INCLUDED

- A. Factory assembled platform lift with deck, mast guide, crossover lip, ramp, hydraulic cylinders, electric controls, and guardrails.
- 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. Floor mounted platform lift to the following requirements:
 - 1. Platform Size: (_____)” wide x (_____)” long.
 - 2. Lift Capacity: (_____) lbs. With (_____) Mast(s)
 - 3. Vertical Service Range: Level to 60” above floor.
 - 4. Power Requirement: (_____) HP 3 Phase Motor (_____) Volts.
 - 5. Crossover Lip: 66” or (_____)” wide x 18” or (_____)” long to Project a minimum 10” beyond bumpers or bollards
 - 6. Ramp: 66” or (_____)” wide x (_____)” long to provide a 15 % grade or less from floor to platform.

1.04 SUBMITTALS

- A. Submit Manufacturer’s installation instructions.
- B. Submit shop drawings showing equipment dimensions, floor loading, and electrical requirements.

PART 2 PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS

- A. MAST-GUIDE™ Series - Model MG (_____) as manufactured by Nordock Inc.

2.02 EQUIPMENT

A. Platform Lift:

1. Platform: Unitized welded structure with non-slip checker plate deck surface welded to an understructure support grid. For toe protection, a beveled guard to be welded to the underside of the deck. The platform sides to have black and yellow warning labels.
2. Guide System: High tensile mast assembly to provide a rugged support throughout platform travel. Each mast assembly to have eight sealed guide rollers, four cantilever and four side thrust.
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, and high-pressure low-friction seals. Connection hoses to be SAE 100R2 high-pressure with factory crimped fittings.
4. Power Unit: An integral assembly with a totally enclosed fan-cooled motor, gear pump, valve manifold, relief valve, pressure compensated flow control, filters and an oil filled reservoir.
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 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. Ramp: Checker Plate Ramp to be floor mounted and provide access to the platform when fully lowered.
8. Guardrail: Provide a 60" high permanent fixed solid panel on each mast side of platform. Provide a 42" high handrail for single mast units constructed of minimum 1 ½" structural tube with a 4" high kick plate along the bottom edge. Position handrail 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.
9. Maintenance: Provide maintenance pins to support an empty platform in a raised position for service.

10. 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.

B. Portable Option:

1. Provide lift with a portable option including wheels and dollies suitable for manual moving of lift over short distances on a concrete surface. Lift shall have a platform size of 6' x 6' with 5,000 lifting capacity.

PART 3 EXECUTION

3.01 INSTALLATION

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