

Hydro-Hatch Lift System

Custom design a Hydro-Hatch Lift System to meet your specific application.



Light Duty Power Pack: API Part # **PT 116N-NP-2**, 2-Wire Permanent Magnet Motor

12V DC 19 cu. in. Reservoir, Displacement .04 cu. in. per Revolution. Maximum Hatch Weight 900 Pounds with 1" Bore Cylinder. Can be Mounted on Cylinder or Remote.



Heavy Duty Power Pack: API Part # **PT 406N-2**, 2-Wire Permanent Magnet Motor

12V DC 48 cu. in. Reservoir, Displacement .04 cu. in. per Revolution. Maximum Hatch Weight 1800 Pounds with (2) 1" Bore Cylinders.



Cylinders: API Part # **CYL 18**, 26.5" Retracted Length with an 18" Stroke

API Part # **CYL 24**, 32" Retracted Length with a 24" Stroke

Anodized Aluminum Tube 1" Bore with 5/8" Stainless Steel Shaft. Double Acting Cylinder, Power-up/Power-down.



Hose Kit:

Two hoses required per installation. Aeroquip FC 121-03 Polyon hose supplied with mil spec fittings 4JIC. Hose sold by the inch and each hose equipped with one fitting at each end for easy installation.



Clevis Mounts: API Part # **CM 100**

Hatch mounts manufactured from solid aluminum stock. Pre-drilled for easy installation. Hatch mount can be threaded to allow removal from outside of hatch in emergency. Rod end clevis and cylinder end clevis both supplied with pins.



Switch: API # **RS 100**

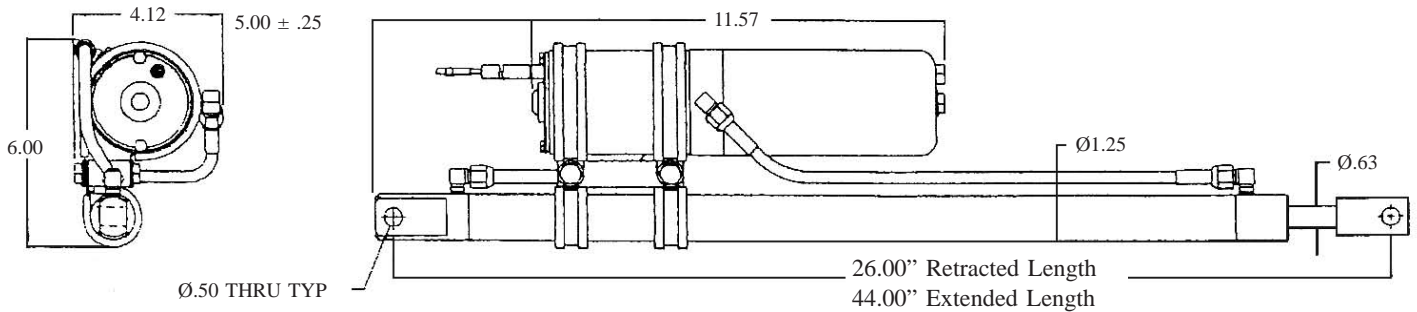
Marine Rocker 12 volts DC. Momentary On-Off-On, Six Pole.



Product Specification Sheet

HYDRO-HATCH LIFTER

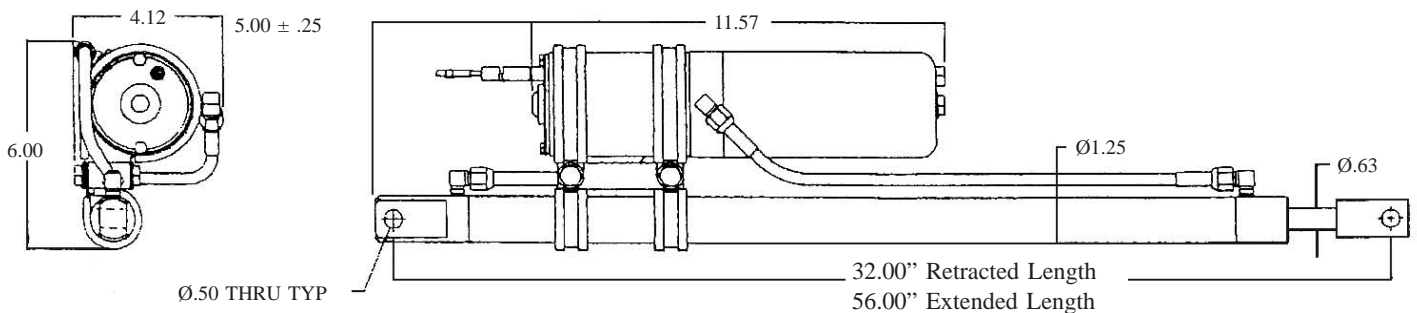
Part # HL 18



HL 18 consists of a 1" bore cylinder 26.00" on centers retracted length with a 18.00" stroke and 44.00" extended length. The cylinder tube is 6063T832 aircraft quality hard coat anodized aluminum. The rod is 5/8" stainless steel with aluminum clevis. Mounted on the cylinder is light duty power pack # PT116N-NP-2 a 12 volt reversible permanent magnet motor with a 19 cu. in. reservoir and hydraulic pump. The pump displacement is .04 cu.in. per revolution. maximum hatch weight 900 pounds with a 1" bore cylinder. Motor is SAE J1171 marine. For weights up to 1800 pounds use remote mount heavy duty power pack # PT406N-2 with 2 cylinders. Each HL 18 is supplied with a pump/motor/reservoir that is bracket mounted on the cylinder and includes stainless or cadmium plated fittings, hoses and hydraulic fluid. Cylinder may be purchased separately as part number **CYL 18**.



Part # HL 24



HL 24 consists of a 1" bore cylinder 32.00" on centers retracted length with an 24.00" stroke and a 56.00" extended length. The cylinder tube is 6063T832 aircraft quality hard coat anodized aluminum. The Rod is 5/8" stainless steel with aluminum clevis. Mounted on the cylinder is light duty power pack # PT116N-NP-2 a 12 volt reversible permanent magnet motor with a 19 cu. in. reservoir and hydraulic pump. The pump displacement is .04 cu.in. per revolution. maximum hatch weight 900 pounds with a 1" bore cylinder. Motor is SAE J1171 marine. For weights up to 1800 pounds use heavy duty power pack # PT406N-2 with 2 cylinders. Each HL 24 is supplied with a pump/motor/reservoir that is bracket mounted on the cylinder and includes stainless or cadmium plated fittings, hoses and hydraulic fluid. Cylinder may be purchased separately as part number **CYL 24**.

The nominal working pressure for both cylinders is 1200PSI and the maximum working pressure is 1800PSI. The hose is rated at 3250PSI working and the burst pressure is 13,000PSI.