



Specifications Data

Lower Drive Assembly



Hydraulic Marine Systems' Patent Pending Lower Drive assembly is a Hydraulically Driven, Azimuth Style Thruster which provides superior performance over conventional transmission driven, gear operated rudder propellers.

These Versatile State of the Art Drives provide an Extremely Durable, Powerful and Cost Effective alternative to outdated fixed propeller propulsion systems which have constant breakdowns/ repairs.

Features:

- Tough-Durable Proven Design
- Compact, Easy to install
- Multiple Horsepower Ranges
 - ~ 50-125hp ~ 130-175hp
 - ~ 200-300hp ~ 325-500hp
- Outstanding Reliability - No Gear Boxes or transmissions to worry about
- Direct Drive (Motor coupled direct to propeller shaft)
- Variable Speed Directional Operation (Forward/Reverse)
- Hydraulic surge By-pass (less Chance for prop damage)
- Low Maintenance
- Corrosion Resistant coatings
 - ~ 3 layers epoxy
 - ~ 2 layers anti-fouling
- Easy Motor Access
- Highest Quality Hydraulics
 - ~ Eaton Corp Series II
 - ~ Sauer-Danfoss 90 Series
 - ~ Kawasaki M3X Series
- 5 Year Materials and Workmanship Warranty



- Stainless Steel Propeller Shaft

Hydraulic Requirements: (@ 4500 psi.)

| H/P | GPM | Motor Size |
|---------------|-----|------------|
| 50-125 | 35 | 100cc |
| 130-175 | 49 | 130cc |
| 200-300 | 100 | 280cc |
| (@ 2650 psi.) | | |
| 325-500 | 100 | 530cc |

Specifications:

- Sch. 80 - 1/2" thick pipe Construction (1/2" A-36)
- Weight - 750 lbs +/-
- Motor Access Cover
- Stainless Steel Bolts (3/4 & 7/8")
- Stainless Steel Tubing
- Precision machined parts
- SAE Splined Couplings
- SAE Hyd. Motor Mounts
- Stainless Steel Shaft (Double Sealed)
- Timken Bearings & Seals (Lubricated)
- 70 Durometer O-Rings

Available Options:

- Matched S.S. Nozzle (shown)
- Kaplan 4-Blade Propeller

HYDRAULIC MARINE SYSTEMS, INC.

www.hydraulicmarinesystems.com

207A OLD DAYTONA ROAD
DELAND, FL 32724
ph: 386-734-0020 fax: 386-734-0021
Toll Free: 877-734-0020
Email: todd@hydraulicmarinesystems.com