



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These Versatile State of the Art Drives provide an Extremely Durable, Powerful and Cost Effective alternative to outdated fixed propeller propulsion systems which have constant breakdowns and costly repairs.

Features:

- Tough-Durable Proven Design
- Compact, Easy to install
- Multiple Horsepower Ranges
 - ~ 50-125hp
 - ~ 130-175hp ~ 200-300hp
- 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



Hydraulic Requirements:

H/P	GPM	Motor Size
50-125	35	100cc
130-175	49	130cc
200-300	100	280cc

Specifications:

- Sch. 80 - 1/2" thick pipe Construction (1/2" A-36)
- Weight - 550 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 (shown)



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