

Vigilant Notes

Underwater Hardware

The prices listed for the following hardware are effective as of November 2001

- Max. propeller diameter: 34"
- Propeller shaft diameter: 2 1/2"
- Propeller shaft length (nominal): 19' 6"
- *Stern bearing housing: 00STBR250 - \$555
- *Bearing 2 1/2" x 3 3/8" for above: Perch - \$211.20
- *Shaft log complete (Fiberglass version): 00SLR250 - \$905.40
- *Shaft log complete (Wood version): 00SL250L 7° - \$1318.70
- *Rudder 36" x 28", 2" shaft, 1 1/2" pintle
- *Rudder port 2": 00RP200 - \$300.70
- *Rudder safety collar-2": 00RC200 - \$48.20
- *Skeg bar 5/8" x 4" x 60": 10SKB3K - \$604.30

*These items are available from Glen-L. Contact us for a current price.

SPEED/POWER CHART

8 knots	48 SHP
9 knots	63 SHP
10 knots	84 SHP
11 knots	115 SHP
12 knots	145 SHP

The above figure is the absolute maximum speed for the hull, regardless of power installed.

All speeds are in knots per hour. To convert to miles per hour, divide by .87. Horsepower is given as constant 24-hour rated SHAFT HORSEPOWER (SHP); NOT brake horsepower (BHP), nor intermittent ratings. It makes no difference if the engine is diesel or gasoline powered.

Inches of immersion = 1" per each 2,043 lbs added.
Hold capacity: 850 cu. ft. for 8 to 10 working load.

Propeller

The following is from Haji Mohd Kamaruzzaman

Engine : Yanmar 6HAE3 with YX 71 Marine Gear

Gear Ratio : 2.91 : 1

Max Rating : 220 BHP at 2170 RPM

Continuous Rating : 180 BHP at 2100 RPM

The Vigilant Data as per Glen-L Marine website.

Just visited [Michigan Wheel's website](#), wow, the reply will take 10 - 12 days !!

Alright, reply from www.dieselboat.com (paying membership) - the reply as follows :

NOTE: Above links will open in a new window; close window to return to this page

1.4 Blades

- Prop Diameter - 32.7 Inch

- Pitch - 28.7 Inch

2.3 Blades

- Prop Diameter - 34.8 Inch

- Pitch - 29.3 Inch

Reply from miwheel.com:

Re. Your February 7th Internet Request for Propeller Sizing

Suggest: 36 x 28 MP Style, RH, 3 Blade, 2.5"

If you are up against the governor with the current propeller, we suggest adding and inch of pitch to the current propeller and re-try it, before purchasing a new propeller.

Haji

Terengganu, MALAYSIA

Feb 2005