

propeller hub is the type of series Kaplan propeller. This type of propeller Au-Outline is a type of propeller that has the best turbulence speed and flow at RPM 750 on a Trimaran ship.

- 3) The optimum propeller used on the KRI Klewang I vessel is Propeller B-series with the angle of the hub propeller 0° with 750 RPM with an efficiency value of 0.01183.

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REFERENCES

- [1] Anonymous, 1993, “The New Shorter Oxford English Dictionary,” Clarendon Press, UK. Vol. 2.
- [2] Joubert, P., 2004, “Some aspects of submarine design part 1. Hydrodynamics,” Approved for Public Release Distribution Unlimited (20041130), DSTO-TR-1622. Fishermans Bend, VIC, Australia: DSTO Platforms Sciences Laboratory, Commonwealth of Australia.
- [3] Andersen, P., Kappel, J.J., Spangenberg, E., 2009, “Aspects of propeller developments for a submarine,” First International Symposium on Marine Propulsors, smp’09, Norway.
- [4] Harvald, Sv, Aa, 1992, Resistance and Propulsion of Ships, Wiley Interscience, USA.
- [5] Carlton, J., 2007, Marine Propellers and Propulsion, 2nd Edition, Butterworth-Heinemann, USA.