



FOR IMMEDIATE RELEASE  
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## PropExpert™ 2011

*New features for the world's most popular propeller sizing software*

*HydroComp PropExpert* is a software tool for the sizing and analysis of propellers for workboats and pleasure craft. It provides the tools needed for the proper selection of propulsion system components - engine, gear and propeller – and has been selected as the principal propeller sizing tool of many of the best known manufacturers and distributors of marine engines and propellers.

### New technical development

Initial development in 2011 has introduced new features for proper sizing of propellers for sailboats, particularly with folding propellers. The results of HydroComp's internal R&D for these features were documented in a paper delivered to the 2011 Chesapeake Sailing Yacht Symposium [MacPherson, D.M., et al, "Sizing and Analysis of Folding Propellers for Auxiliary-Powered Sailboats", et al, *Proceedings 20<sup>th</sup> Chesapeake Sailing Yacht Symposium*, Annapolis MD, 2011].

- **Folding propeller option** – New "Folding" propeller option, with specific consideration of powering efficiency and cavitation limits.
- **Sailboat update** – New prediction of speed/power and hull-propulsor interaction coefficients.

Upcoming planned development efforts include new support for electric motor propulsion systems, rudimentary hydroacoustics assessment, and improved power train resonance checking.

### User list reaches 225

HydroComp is very pleased to note the sale of the **225<sup>th</sup> license of PropExpert** early in 2011. At work in 39 countries, PropExpert "has become the propeller sizing tool for independent shops, as well as the corporate solution for many large firms", remarked Donald MacPherson, HydroComp's Technical Director. Notable recent purchasers of PropExpert include HS Marine Propulsion (USA), Inland Boat Works (USA), M & J Engineering (Australia), Marine Quest (Maldives), SRD Offshore (Brasil), Tech-Helice (France), and ZF Marine (USA).

### About HydroComp

Celebrating its 27th year of operation in 2011, HydroComp provides software and services for the performance analysis and design of marine vehicles to industry, research, academic, and government clients. The company is proud to have served over 700 customers from more than 60 countries.

### Forecasting Hydrodynamic Performance from Design to Manufacture since 1984.

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[www.hydrocompinc.com/company/news.htm](http://www.hydrocompinc.com/company/news.htm)  
Jill Aaron, Managing Director  
HydroComp, Inc.  
13 Jenkins Ct, Suite 200  
Durham, NH 03824 USA  
Tel (603)868-3344  
Fax (603)868-3366  
[ja@hydrocompinc.com](mailto:ja@hydrocompinc.com)  
[www.hydrocompinc.com](http://www.hydrocompinc.com)  
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