HydroComp, Inc.

October 11, 2021

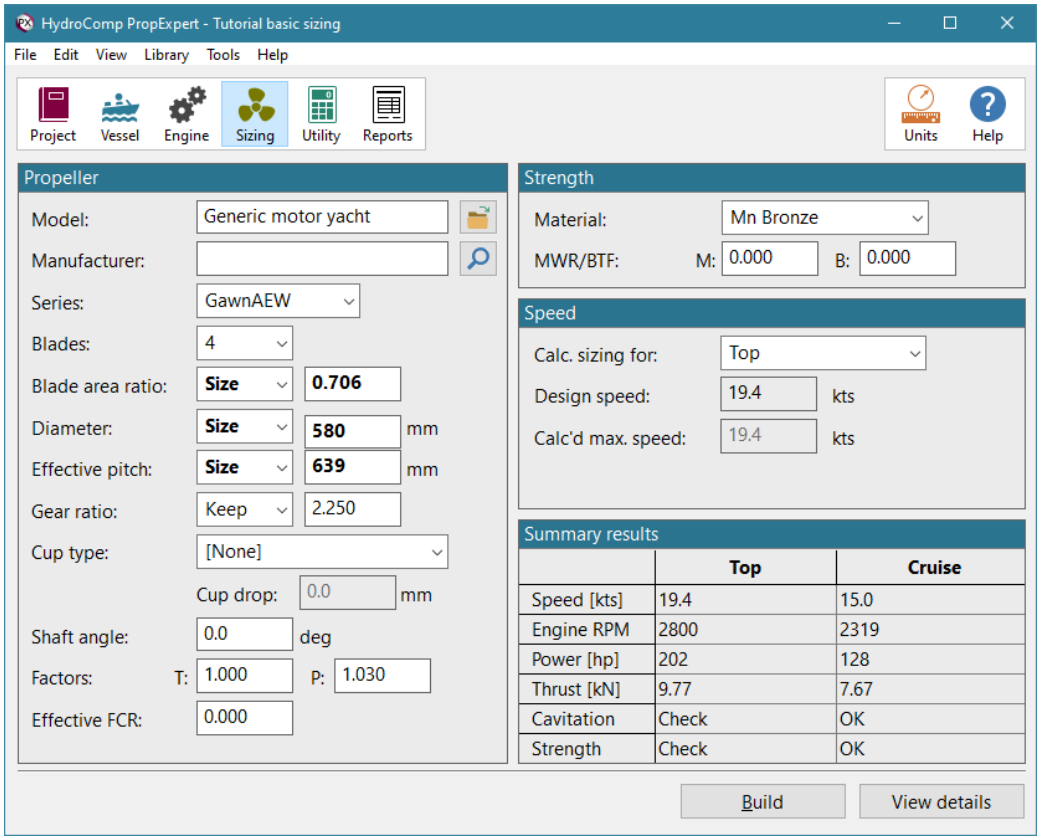
HydroComp PropExpert® 2021 Released

New Windows "visual styles" option and other technical updates

Development in 2021 for HydroComp PropExpert offers new user experience and technical features.

Enhanced GUI components

During 2021 HydroComp has undertaken a significant in-house initiative to enhance product "look-and-feel" for contemporary themes available in Windows 10/11. The overall workflow process remains unchanged and will be familiar to users, but new controls and graphs now support Windows "visual style". This is available as a "Flat UX" theme option.



New performance model for 4-bladed Kaplan19A

Prior versions of PropExpert used a performance model developed from limited Expanded Area Ratio (EAR) test data. This restricted its application to 0.55 to 0.70 EAR range. A new model was developed by HydroComp that provides a smooth distribution of the influence of EAR on performance, greatly improving predictions at higher values of EAR. The new model is recommended for EAR values as high as 0.85 (but is indicated to be substantially improved for values as high as 1.00 EAR).

About HydroComp PropExpert

For additional information, click to: www.hydrocompinc.com/solutions/propexpert

About HydroComp

Since 1984, HydroComp has been a leader in providing hydrodynamic software and services for resistance and propulsion prediction, propeller sizing and design, and forensic performance analysis. Through its unique array of software packages and services, HydroComp now serves over 1200 naval architectural design firms, shipyards, yacht owners, ship operators, propeller designers, universities and militaries around the globe.

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