HydroComp, Inc.

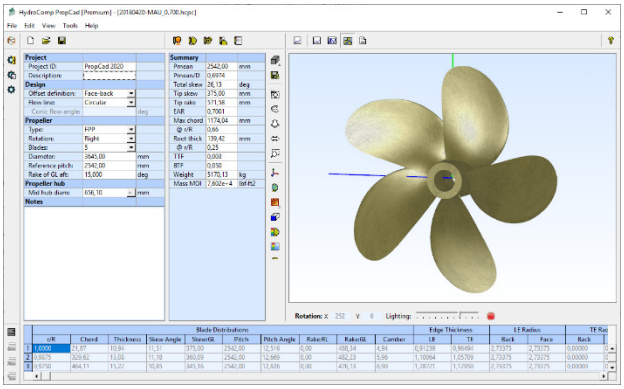
April 1, 2020

PropCad 2020: Press Release

PropCad 2020 is industry leading software for the geometric design of marine propellers. PropCad automatically prepares 2D drawings, 3D CAD models, and much more.

Improved Program Stability and Speed

All HydroComp 2020 products have been upgraded with a new internal code-and-control set. This has increased the speed and stability of the program across existing Window's platforms. These changes are largely behind the scenes, but keen users will notice some visual changes in PropCad and HydroComp's other programs.



CAD Import

The Propeller CAD Import utility includes algorithm revisions to greatly increase the supported file-size, import, and feature-extraction speeds.

HydroComp PropCad

Updated 2019 Classification Society Rules

PropCad 2020 includes the latest updates to the Classification Society Rules, which determine blade thickness requirements. The American Bureau of Shipping (ABS) has introduced a consolidated rule set – the Marine Vessel Rules – which supersedes many of the previous rule sets. The Indian Registry of Shipping (IRS) Ice Class HA rule set is now included for fixed pitch and controllable pitch propellers.

Improved 3D Rendering Speed and Visuals

Many of the existing propeller materials have been adjusted to improve the visualization of curvature and edge details on the blade surface. Additional rendering options have been introduced, including "hard edges" and texture options. The 3D render loops have been optimized for increased speed and stability, particularly for older graphics cards.

About HydroComp, Inc.

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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