

June 12, 2023

HydroComp PropExpert® 2023 Released

New updates for HydroComp's most popular propeller sizing program

Over 500 companies trust PropExpert to size propellers, engines and gears for vessels large and small! PropExpert 2023 features the most up-to-date techniques presented in an easy-to-use and powerful package.



Improved propeller codes for accurate sizings

HydroComp PropExpert 2023 includes updates for improved propeller sizings. This includes more stable solution convergence for very low thrust conditions, as well as a new update for the effect of shaft angle on cavitation and required blade area.

	Top	Tow
Speed [kts]	10.1	4.0
Engine RPM	1796	1800
Power [kW]	284	362
Thrust [kN]	32.31	59.42
Cavitation	OK	OK
Strength	OK	OK

	Top	Tow
Speed [kts]	10.1	4.0
Cavitating (avg)	2 %	5 %
Cavitating (peak)	2 %	5 %
Pressure criteria	45 %	61 %
BAR criteria	69 %	87 %
Tip speed criteria	93 %	93 %
Prop RPM	399	400
Prop efficiency	0.551	0.291
System efficiency	0.537	0.307
Eng torque [kN-m]	1.51	1.52
Fuel rate [gal/hr]	0.0	0.0
Delivered thrust [kN]	38.49	52.37
Slip	0.299	0.763
Towpull [kN]	0.00	48.79
Towpull merit coef	0.556	1.087

New reporting feature – Copy

PropExpert's reports document your calculations in a professional manner and are a valuable asset to provide to the vessel owner. PropExpert 2023 introduces a new shortcut button to copy the report file to the Windows clipboard. This allows users to quickly get the report performance results to the customer by email or file transfer.

Improvements for Windows 11

The latest version resolves directory permission issues on Windows 11, ensuring a seamless PropExpert experience from first installation to daily use.



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 1400 naval architectural design firms, shipyards, yacht owners, ship operators, propeller designers, universities, and militaries around the globe.

For more information, please contact:

Danielle Doonan, Marketing Coordinator
danielle.doonan@hydrocompinc.com
HydroComp, Inc.
5 Penstock Way, Suite 101
Newmarket, NH 03857 USA
+1 603-868-3344
www.hydrocompinc.com