



# Product Comparison: NavCad

The following table provides a brief technical feature comparison of HydroComp's **software for Vessel-Propulsor-Drive system simulation** — NavCad, both Standard and Premium Editions.

Feature	 <b>Standard Edition</b>	 <b>Premium Edition</b>
Resistance prediction, propulsion sizing, and propulsion analysis	●	+
Displacement and planing, catamarans, barges, submarines, SWATH	●	+
Correlation to vessel or propeller model tests and sea trials	●	+
Propellers (open, ducted, cycloidal, SP, CPP, CRP) waterjets	●	+
Propeller sizing (matching) for diameter, pitch, BAR, gear ratio by thrust or power	●	+
Propulsion analysis for free-run (transit), towing, acceleration	●	+
Hull form and operational design guidance	●	+
Confidence plots and benchmark comparison	●	+
Supplemental tools for tunnel thruster sizing, hydroacoustics, many others	●	+
Import Hull CAD file for extraction of hull and station data	●	+
Scripting (macro) API		+
Connect as an external calculation server		+
Dual-fuel operation and CO2 production		+
Operating modes (duty-profile) analysis		+
Analytical wave-theory resistance prediction and wave pattern elevation		+