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Best Outboard Propellers — Pitch & Selection Guide

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MarineGear.ai · Anguilla, Eastern Caribbean

Understanding Pitch

Every propeller is described by diameter x pitch in inches. Pitch determines your WOT RPM — higher pitch means lower RPM, lower pitch means higher RPM. Each inch of pitch change moves RPM by approximately 150–200 RPM. Your target is the manufacturer's WOT RPM range, typically 5,000–6,000 RPM for most modern outboards.

3-Blade vs 4-Blade

Factor	3-Blade	4-Blade
Top speed	Better	Slightly less
Acceleration	Fast	Moderate
Rough water	More vibration	Smoother
Heavy load	Less torque	More torque
Reverse handling	Standard	Better

Recommended Propellers

Propeller	Material	Best For	Price Range
Solas Amita	Aluminium	Best value replacement	\$60–\$140
Michigan Wheel Vortex	Stainless	4-blade performance upgrade	\$240–\$380
Turning Point Hustler	Stainless	Top speed priority	\$220–\$340
Mercury Quicksilver	Aluminium	OEM-match for Mercury	\$90–\$160
Yamaha Performance 4-Blade	Stainless	OEM upgrade for Yamaha	\$280–\$420

Caribbean Notes

- In reef-risk waters: aluminium props absorb reef strikes and protect the gearcase
 - Always carry a spare prop in your normal running pitch
 - Inspect props for nicks after every trip — even small nicks cause cavitation
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Final Recommendation

Solas Amita in the correct pitch and hub kit for your engine — best starting point for any replacement. For loaded offshore fishing boats, Michigan Wheel Vortex 4-blade stainless is the performance upgrade worth making.

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