

Inboard Propeller Sizing Form

Name _____
 Phone Number _____
 Email Address _____
 Vessel Name _____

Please fill out as much information as possible for best results.

Email to info@miwheel.com or other Michigan Wheel contact.

New OR Existing Vessel

Two columns available for re-power projects.

Propeller Sizing Information

	<u>Original</u>	<u>Re-power</u>		
Type of Vessel <small>(Pleasure, Fishing, Tugboat, Ferry, etc.)</small>	_____	_____		
Vessel Length	_____	_____	ft	or m
Vessel Weight - Full Load	_____	_____	lbs	or kg
Number of Engines	_____	_____		
Engine Make and Model	_____	_____		
Rated Engine Power	_____	_____	hp	or kW
Rated Engine RPM	_____	_____		
Gear Ratio (be exact)	_____	_____		
Shaft Diameter	_____	_____	inches	or mm
Sizing Speed ¹	_____	_____	knots	or mph
Distance from Shaft to Hull ²	_____	_____	inches	or mm
OR Desired Propeller Diameter	_____	_____	inches	or mm

Trial Information (If known)

Date of Trial	_____	_____		
RPM at Wide Open Throttle (WOT)	_____	_____		
Vessel Speed at WOT	_____	_____	knots	or mph
Propeller Diameter	_____	_____	inches	or mm
Propeller Pitch	_____	_____	inches	or mm
Number of Blades	_____	_____		
Blade Area Ratio	_____	_____		
Style/Model	_____	_____		
Propeller Material	_____	_____		

Additional Notes

1 Speed at which full engine power is required. For pleasure boats, this is typically top speed. For fishing boats, this may be trawling or dragging speed. For harbor tugboats, this may be 0 knots (bollard condition). For towboats, this may be towing speed. Sizing speed is NOT cruising speed.

2 Measured from centerline of shaft at propeller to hull bottom.