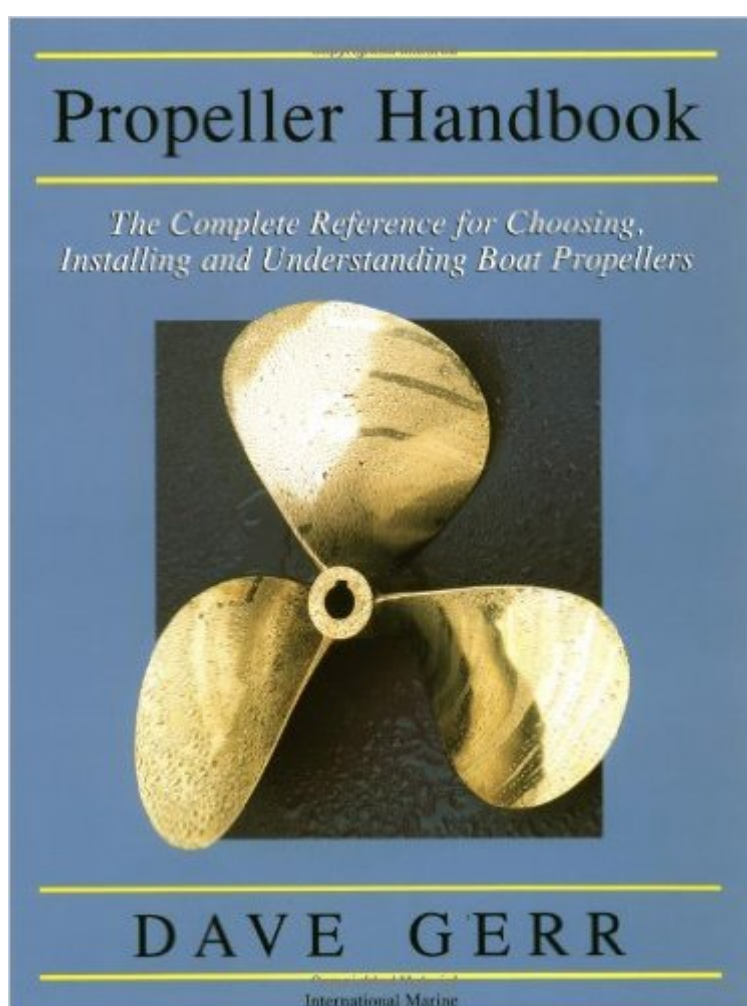


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# The Propeller Handbook: The Complete Reference For Choosing, Installing, And Understanding Boat Propellers



## Synopsis

On the surface, choosing the correct propeller for a particular boat seems simple. But one factor affects another, which then affects another factor, leading many boaters to believe that propeller selection depends more on black magic than logic. All the questions are answered in this complete reference, the first of its kind. This clear, easy-to-use handbook for all small boats is written not for Ph.D.s seeking the latest wrinkle in high-tech propeller design, but as a practical aid for the average mechanic, engineer, boatbuilder, fleet operator, serious yachtsman, or naval architect.

## Book Information

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## Customer Reviews

Dave has done an excellent job of clearly covering a very complex subject. He gives you quick practical ways of estimating as well as more detailed methods for determining propeller requirements and performance. This book will benefit anyone dealing with propellers. This includes boat owners, repair yards and design offices. I am a professional engineer, practicing in naval architecture and marine engineering. As a result I have read a lot of material on this subject. This is the best reference on propellers that I have seen to date.

The author has boiled out all the complicated Bessel functions and the reader is left with the bottom line for basic propeller selection. If you are serious boater interested in propellers this is the book for

you...you don't need to PhD in Naval Arch to understand this. Very straight forward approach. If you have prop related or powering questions, buy this. For 13 bucks you are going to spend more on gas your next outing due to your poor prop. I would have given it 5 stars if the pictures were in color and more recent.

I needed to re-prop and there is nobody in the country with the information I needed for my 15 meter full displacement boat. I learned enough from this book and some study of the contents to do a very satisfactory calculation for a new prop. Is it perfect ? I do not know, but it is certainly better than what I had ! Very informative as well.

I first learned about this book while attending a CAT Marine Power Analyst class, I was an engine technician with a CAT dealer at the time. It was newly published and very expensive, so I found a copy in the Fairfax VA library and made arrangements to borrow it through interlibrary loan. After reading most of it, I plunked down the money to buy my own, it is that good. If you are interested in learning about hull performance and power requirements, how to properly size an engine to meet those requirements, and how to select a prop to mate the engine and hull together, then this book is for you. I have spend many hours studying it and applying its contents to boat modifications I have been considering. Are you interested in sizing an engine or electric motor to drive a boat? This book will tell you what you need to know to do it right so you will be pleased with the boat's performance when you are done. Got a boat that is performing poorly? Maybe it has the right engine and the wrong prop, or the right prop and the wrong engine. This book will tell you how to find out. It is a great resource for understanding boat hull performance and how to match engine performance to the hull.

Valuable reference for sizing or confirming the sizing of a prop that is being recommended to you. Requires study and a fair bit of math to be accurate, but you can get ballpark estimates without too much effort.

I love the mathematical models in this book. It really helps a reader of average (myself) intelligence to project how a propeller will work in different situations. I made some spread sheets to work out the models and that really helped. It seemed to focus on the marine boating field, so I wouldn't expect too much if your interest is strictly in speed boats.

It is for the technically minded. Don't buy a propeller without reading it first. And after you've read it, you will probably buy a new propeller, because you will likely to find out that the old one is not right.

This is a very practical book in terms of its simple way of guiding the reader through both, the conceptual understanding of propellers and the corresponding calculations. This book fulfilled all my expectations

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