

# VARIPROP

## INNOVATION.

### WHY FOUR BLADES?

#### PROBLEM:

Often it's not possible to fit an optimized three bladed propeller because of a combination of factors:

1. Diameter of the prop is restricted by the boat structure.
2. Engine power is too high for a 3 blade prop of the diameter that will fit.
3. Shaft RPM is too high (low gear ratio).

If a normal 3 blade prop (fixed, feathering or folding) is fitted, the result will be cavitation, noise, vibration, poor thrust, and low efficiency because of excessively high blade loading.

Simply increasing the pitch of a 3 bladed prop will not solve these problems, and only makes things worse.

Many owners have just given up. They've played the prop-of-the-week game too long. So they run at lower engine RPM and boat speed and are resigned to it. You'd be surprised! An enormous number of good boats have dismally inefficient props. Their owners haven't realized that there's *something they can do about it*.

SOLUTION: Fit a 4 blade *VariProp*. The cost is less than you might think. The results are simply amazing. Smooth running, tremendous power, no vibration. Plus of course all the usual *VariProp* advantages: great stopping power, total steering control in reverse, simple pitch adjustability, and awesome precision construction and strength to go the distance- *no matter how far that may be*.

*VariProp*. The last propeller you will ever buy. The ultimate cruising yacht propeller.

**POWER...** like a tugboat

**SAIL...** without towing a bucket

**from VARIPROP USA**



### VARIPROP USA

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