

Ship speed reduction

< 23%

Reducing the ship speed an effective way to cut energy consumption. Propulsion power vs. ship speed is a third power curve (according to the theory) so significant reductions can be achieved. It should be noted that for lower speeds the amount of transported cargo / time period is also lower. The energy saving calculated here is for an equal distance travelled.



Reduction in ship speed vs. saving in total energy consumption:

- | | | |
|----------|-----|--------------|
| - 0.5 kn | --> | - 7% energy |
| - 1.0 kn | --> | - 11% energy |
| - 2.0 kn | --> | - 17% energy |
| - 3.0 kn | --> | - 23% energy |



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