How much energy can an electromagnetic launcher store

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Even so, the reluctance coil gun experimentally demonstrated relatively low launching speeds. Experiments showed that the launching mass and energy can be extended, ...

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While the ideal launcher is always 100% efficient, practical launchers have an efficiency which is a function of the projectile velocity and a new parameter called the characteristic velocity. The ...

In this Instructable, we will provide an overview on the design, what components are used, and steps in how we assembled our prototype version of the Electromagnetic Launcher.

The required energy for a launch is drawn from the energy storage devices during each two- to three-second launch. The energy storage devices are recharged from ship"s power between ...

During a launch, the induction motor requires a large surge of electric power that exceeds what the ship"s own continuous power source can provide.

The electromagnetic launchers like rail- gun and coil-gun elevated with multi pole field structure delivers great muzzle velocity and huge repulse force in limited time. Various types of coil-gun ...

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