

sci.electronics.misc: Re: How many watts does it take to do a certain task ? (need a list)

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From: R. Steve Walz (rsteview_at_armory.com)

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George wrote:

>
> *I'm wondering if there's some sort of list out there, that lists the*
> *number of watts, and what that number of watts can power.*
>
> *1 watt powers a ?*
> *2 watts power a ?*
> 3
> 4
> 5
> *and so on.*
>
> *Please advise, if such a list exists.*

A Watt is a Joule/second. A Joule of kinetic energy is given to a kilogram when it is accelerated so that it gains 1 meter per second each second for a distance of a meter.

2 Joules would be 2 kilograms, or 2 m/s, etc.

A J = (1 kg-m-m/s/s) and a W = (1 kg-m-m/s/s)/s = kg-m²/s³

There are lots more equivalencies that can be discerned directly from the physics of the factor label metric system. TAKE PHYSICS!!

-Steve

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-Steve Walz rsteview@armory.com <ftp://ftp.armory.com/pub/user/rsteview>
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<http://www.armory.com/~rsteview> or <http://www.armory.com/~rsteview/Public>