

Re: Use of Extension Cord

Source: <http://sci.tech--archive.net/Archive/sci.electronics.basics/2005-11/msg01126.html>

- *From:* John Fields <jfields@xxxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Mon, 28 Nov 2005 07:36:14 -0600
-

On Sun, 27 Nov 2005 23:49:28 -0000, "Peter Hucker" <no@xxxxxxx>
wrote:

>On Sun, 27 Nov 2005 19:17:28 -0000, John Fields <jfields@xxxxxxxxxxxxxxxxxxxxxx> wrote:
>

>> On Sun, 27 Nov 2005 18:29:40 -0000, "Peter Hucker" <no@xxxxxxx>
>> wrote:

>>

>>> On Sun, 27 Nov 2005 18:18:03 -0000, John Fields <jfields@xxxxxxxxxxxxxxxxxxxxxx> wrote:
>>>

>>>> On Sun, 27 Nov 2005 14:14:42 -0000, "Peter Hucker" <no@xxxxxxx>
>>>> wrote:

>>>>

>>>>

>>>>> ARGH! You watch adverts? You nee a spam filter on your TV set.

>>>>

>>>> ---

>>>> I watch what I please and if I don't like it I mute it. Simple.

>>>>

>>> You remembered this one.

>>

>> ---

>> Yes, dumbass, because I liked it.

>

>Even though it was muted? Either you have exceptional hearing, or your mute needs repairing.

I _do_ have exceptional hearing, and muting comes _after_ the fact.
If I don't don't like what I hear, I mute it. If I do, I don't.

So far you've been lucky.

Why is that so hard for you to understand?

>>>>> Remove the the then. [Grammatical appallingness may be deliberate, it may not.]

>>>>

>>>> ---

>>>> Grammar has nothing to do with it. Gratuitous insults do, you

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>>>> miserable piece of shit.

>>>

>>> Er.... you tell me not to insult, then insult me in the same sentence?

>>

>> ----

>> Yes, of course. Your insults are gratuitous, while mine are

>> retaliatory.

>

>You started the insults first, and they were a lot stronger.

You're a God Damned liar.

The insults started with your America bashing.

Had you not decided to take that route I would have left you alone but, since you did, I felt compelled to show you up for the phony that you are.

So far so good.

>> And you are neither, and nothing?

>>>

>>> I have no religion, yes.

Ergo, you have no grounding and everything ends with you?

Can you build a flower? Or a lizard? Or anything with life in it?

No. All you can do is make excuses for your impotence and try to convince all the rest of us that we should be just like you.

Losers.

Fuck you, pigshit, mine are headed for the stars.

>>>>> Don't assume; do the math.

>>>>>

>>>>> I don't need to.

>>>>

>>>> ----

>>>> Yes, you do.

>>>

>>> No I don't.

>>

>> ----

>> You mean you _can't_?

>

>I mean I can't be bothered.

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You mean you can't? Simple.

>>>> I know the basics of what they do. Heating the house has to
>>>> generate that heat. An AC just MOVES the heat.
>>>
>>> I wrote this part, it needs two >, upgrade your software.
>>
>> ---
>> Blow me.
>
>More innuendo. Why are most American phrases sexually orientated?

They aren't, but when you read something as blatant as "Blow me"
and tag it as innuendo, that points out how little you know about
the language.

>>>> And generates waste heat in the process. What, do you think you can
>>>> compress a gas until it turns into a liquid for free?
>>>
>>> No, but the waste won't be as much as the heat movced, unless it's a really crap AC.
>>
>> ---
>> Prove it. Show me some data.
>
>That would involve me not being lazy. But here you go.....
>
>1055 joules = 1 BTU (you're using BRITISH units! Get with the times and go metric ffs)
>
>1 joule = 1 watt second
>Therefore 3600 joules = 1 watt hour
>Therefore 3.4 BTU = 1 watt hour
>
>SEER (seasonal energy efficiency ratio) = BTU/watt hours
>
>A good AC is rated as 18 SEER, which means it moves 18 BTU per watt hour consumed.
>Or 5.29 watt hours moved for each watt hour consumed.
>Even older inefficient ACs are 6 SEER, which move 1.76 watt hours for each watt hour consumed.
>
>So I was correct in assuming ACs use less than heaters.

Really? Then think about this for a while: Electric heaters have no
SEER, because all the energy used is turned into heat. That makes
them inherently more efficient than air conditioners.

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>
>>>> Any electricity used is due to inefficiency (like with a lightbulb).
>>>>
>>>> ----
>>>> No, the waste heat generated is due to the inefficiency of the
>>>> _process_. You really ought to stick with something you know
>>>> something about if you don't want to end up with egg on your face.
>>>> Oh, but wait... what would that be??? So far, all you seem to be
>>>> good at is creating confusion.
>>>>
>>> My refridgerator uses fuck all power.
>>
>> ----
>> That's because it's enclosing a very small volume and has much
>> better insulation than most houses do.
>>
>> BTW, there's no 'd' in refrigerator.
>
>There's a d in fridge.

Then write 'fridge' instead of 'refridgerator'

>>>>>> That's just stupid. If you don't know why, that's even worse.
>>>>>>
>>>>>> It's not stupid, it was a hint that Americans are not efficient – look at your gas guzzlers.
>>>>>>
>>>>>> ----
>>>>>> It certainly is stupid, and gas-guzzlers have nothing to do with it.
>>>>>>
>>>> They have everything todo with it. Go look up some stats on pollution per head from different countries.
>>
>> ----
>> No dumbass, gas-guzzling has nothing to do with it, and from what I
>> see on the street, there aren't huge numbers of gas-guzzlers around.
>> What's doing it is that about 80% of the 200 million of us are
>> driving long distances every day. That'll probably change as gas
>> prices increase and many more of us will be able to work from home,
>> as I do now.
>
>You should try commuting here. Our "government" puts 400% (!) tax on petrol.

Sorry 'bout that, we don't have that problem...

>> And, anyway, the jury's still out as to whether CO2's a pollutant or not.
>
>CO2 isn't the worst thing out of an exhaust, although newer cars do pollute less. (No I'm not convinced about

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the greenhouse effect either)

>

>>>> You're implying that because we have 200A services our (say)

>>>> refrigerators run less efficiently than yours do because you only

>>>> have 80 amp services? It's just the other way around moron.

>>>>

>>>> I didn't imply that at all.

>>>>

>>>> ---

>>>> Then what were you struggling to say?

>>>>

>>>> I wasn't saying anything, it was a joke.

Uh-huh, sure it was.

>>>> Since your 80 amp services have smaller diameter cable in them than

>>>> our 200 amp services do, their higher resistance causes higher

>>>> losses due to increased power dissipation and heating of the cable.

>>>>>

>>>>> Do the math.

>>>>>

>>>>> I have no idea what diameter cable we have.

>>>>>

>>>>> ---

>>>>> Then you shouldn't be saying that a 200A service is less efficient

>>>>> than an 80A one is.

>>>>>

>>>>> I didn't. I said it suggested you could be less efficient. You have the ability to consume vast amounts of electricity in the home, or are at least expecting to do so.

More bullshit.

That's the same as saying that because I have vast amounts of money

and the ability to be extravagant that I'm expecting to be.

>>>> That's up to the electric board.

>>>> It's up to them to weigh up the cost of thicker cable versus more heating.

>>>> Maybe it defrosts the water pipes in winter?

>>>>>

>>>>> ---

>>>>> More bullshit. You don't know what you're talking about so you try

>>>>> to blame your ignorance on the electric board.

>>>>>

>>>>> You said our cables were inefficient. And I find it hard to believe the electricity board hasn't worked this out. How do you think they came up with the voltage for the national grid pylons? It's down to cost of cable thickness, heating losses, height of pylons, etc.

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Learn to read, moron, no one was talking about your grid.

What I said was that since your domestic service is limited to 80 amps and mine to 200, yours will have smaller diameter wire in it than mine.

Such being the case, the resistance in your service will be higher than mine and, for the same load on both systems, yours will heat up more, throwing that energy away, making it less efficient than mine.

>>>>>> The largest one has a starting current of 129 amps and a running
>>>>>> current of 25 amps, the next largest a starting current of 61 amps
>>>>>> and a running current of 13 amps and the smallest one probably about
>>>>>> 50 amps and ten amps, all on a single phase 240V service.

>>>>>

>>>>> How often are they on?

>>>>

>>>> -----

>>>> What the fuck is it to you?

>>>>

>>> It has everything to do with your power consumption, which is what we are discussing.

>>

>> -----

>> No, we're discussing efficiency, not how much power I use.

>

>I was trying to establish how much power you used to run your AC.

Assume a running power factor of .9 and use the data I've already given you to work it out.

John Fields
Professional Circuit Designer

• ***Follow-Ups:***

- ◆ ***Re: Use of Extension Cord***
◇ *From: Peter Hucker*

• ***References:***

- ◆ ***Re: Use of Extension Cord***
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