COMPARING TRANSFORMERS

HOW TO MEASURE THE OUTPUT POWER OF A TRANSFORMER

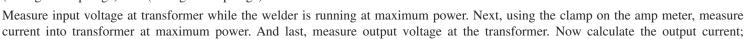
- TOOLS NEEDED
 - 1. Volt meter-digital or analog
 - 2. Clamp-on amp meter
 - 3. Pencil and paper
 - 4. Understanding of safety when dealing with electricity
- OPTIONAL TOOLS NEEDED
 - 1. Calculator
 - 2. Basic understanding of electricity

LET'S GET STARTED

 $V \bullet I^{input} / V^{output} = I^{ouput}$.

The output power of a transformer *cannot* be more than the input power!

 $(Voltage \bullet Amperage)^{input} = (Voltage \bullet Amperage)^{output} + loses.$



Example: input voltage 220, input current 150 amps, output voltage 7.1 and calculate 220•150/7.1 = 4648 amps output.

Now let's remember, we will have to deduct 10% to 40% of the output current of the transformer for losses. This means that the real output in this example will be between 2788 and 4182 amps.

ANOTHER WAY TO MEASURE TRANSFORMERS...

Get a tape measure! Measure the size of the lamination, BIGGER transformers can conduct more power. Measure the size of the primary and secondary windings. <u>BIGGER is always BETTER</u>. The windings of the transformer should fill the window of the transformer. Think of transformers as transmissions for electricity, *bigger is always better*.

The ELECTRIC DENT WIZARDS



ELECTRIC DENT GRIP

TITE-SPOT'S new Dent Grip™ tool removes dents by welding a special bolt to the surface of the car and pulling out the dent. Just twist to remove. The bolt can be resharpened many times.



ELECTRIC SLIDE HAMMER

TITE-SPOT'S new electric slide hammer is so simple to use. Just weld the slide hammer's special bolt to the car; pull or slap and just twist to remove! It's that easy!

• Includes: 2 hammers, one 2lb. steel hammer and one 11oz. aluminum hammer for lighter work.



ADDITIONAL ACCESSORIES

Slide Hammer, Tee Puller, Pulling Studs (2.5mm & 2.0mm), 1024 threaded studs, Trim Rivet Tip and Trim Rivets are all available from TITE-SPOT Welders and are sold separately.

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Only Tool TITE-SPOT Welders Sells That We Don't Manufacture

Cutting spot welds is a tedious and time consuming task. Using the SPOTLE II dramatically reduces labor time and increases the quality of your repairs. The SPOTLE II works like a drill press. With fast depth adjustment and a high torque low speed 1/2" air motor, the SPOTLE will remove complete spot welds in 2 to 3 seconds. There is no drill through and no knob to grind off. Drill bits last 10 plus quarter panel jobs. This tool also makes overlapping cuts. The SPOTLE II is a quality tool designed to last. The SPOTLE II has a ten year warranty on parts and labor.



