



Per Unit Base Converter Help Documentation

The Per Unit Calculator is used to calculate base values from a given set of input values. The input values required are the following:

- MVA Base
- kV Base (Line to Line kV)

Note: All input fields must be filled in for the tool to function properly.

Once the Calculate button has been depressed, the base current and impedance values are calculated.

The formulas utilized by the program are the following:

$$\text{Base Current} = \frac{\text{MVA Base}}{\sqrt{3}(\text{kV Base})}$$

$$\text{Base Ohms} = \frac{(\text{kV Base } 2)^2}{\text{MVA Base } 2}$$

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