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Figure 1-2. (a) 75A (b) 80A (c) 100A (d) 125A Answer: (c) 100A.

Step 1: Convert 125 percent to a decimal: 1.25 Step 2: Multiply the value of the 80A load by 1.25 =

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100A. c Example 2. Question: The maximum continuous load on an overcurrent device is limited to 80 percent of the device rating.

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Amp - amps are the units of current. One amp represents how much current one volt can push

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Electrical Motors Electrical Motor

Efficiency. $\mu = 746 P_{hp} / P_{input_w}$ (6)

where. μ = efficiency.

P_{hp} = output horsepower (hp)

P_{input_w} = input electrical power

(watts) or alternatively. $\mu = 746 P_{hp} / (1.732 V I PF)$ (6b)

Electrical

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Motor - Power. $P_{3\text{-phase}} = (U I PF 1.732) / 1,000$ (7) where

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