Formuleblad

$$S = \sqrt{P^2 + Q^2} \tag{1}$$
$$P = S \cdot cos(\varphi) \tag{2}$$
$$Q = S \cdot sin(\varphi) \tag{3}$$
$$\frac{Q}{P} = tan(\varphi) \tag{4}$$

$$U_{rms} = U_{top}/\sqrt{2} \tag{5}$$

$$U_{Line-Line} = \sqrt{3} \cdot U_{fase} \tag{6}$$

$$U_{rms} = 4.44 \cdot f \cdot N \cdot B \cdot A \tag{7}$$

$$X = \frac{Q}{I^2} = \frac{U^2}{Q} \tag{8}$$

$$X = \omega L = \frac{1}{\omega C} \tag{9}$$