

Formuleblad

$$S = \sqrt{P^2 + Q^2} \quad (1)$$

$$P = S \cdot \cos(\varphi) \quad (2)$$

$$Q = S \cdot \sin(\varphi) \quad (3)$$

$$\frac{Q}{P} = \tan(\varphi) \quad (4)$$

$$U_{rms} = U_{top}/\sqrt{2} \quad (5)$$

$$U_{Line-Line} = \sqrt{3} \cdot U_{fase} \quad (6)$$

$$X = \frac{Q}{I^2} = \frac{U^2}{Q} \quad (7)$$

$$X = \omega L = \frac{1}{\omega C} \quad (8)$$

$$P = 3 \frac{U_s \cdot U_p}{X_d} \sin(v) \quad (9)$$

$$Xd = \frac{E^2}{S} \text{ voor 1 p.u.} \quad (10)$$

$$P = 3 \cdot U_s \cdot I_s \cdot \cos(\varphi) \quad (11)$$