Transformer Taps & Autotransformer

$$Q_{+} = \frac{13530}{480} = 28.80$$

$$Q_{++} = \frac{13860}{480} = 28.80$$

Auto transformer

Whenever change in voltage level is required only
by a small amorent.

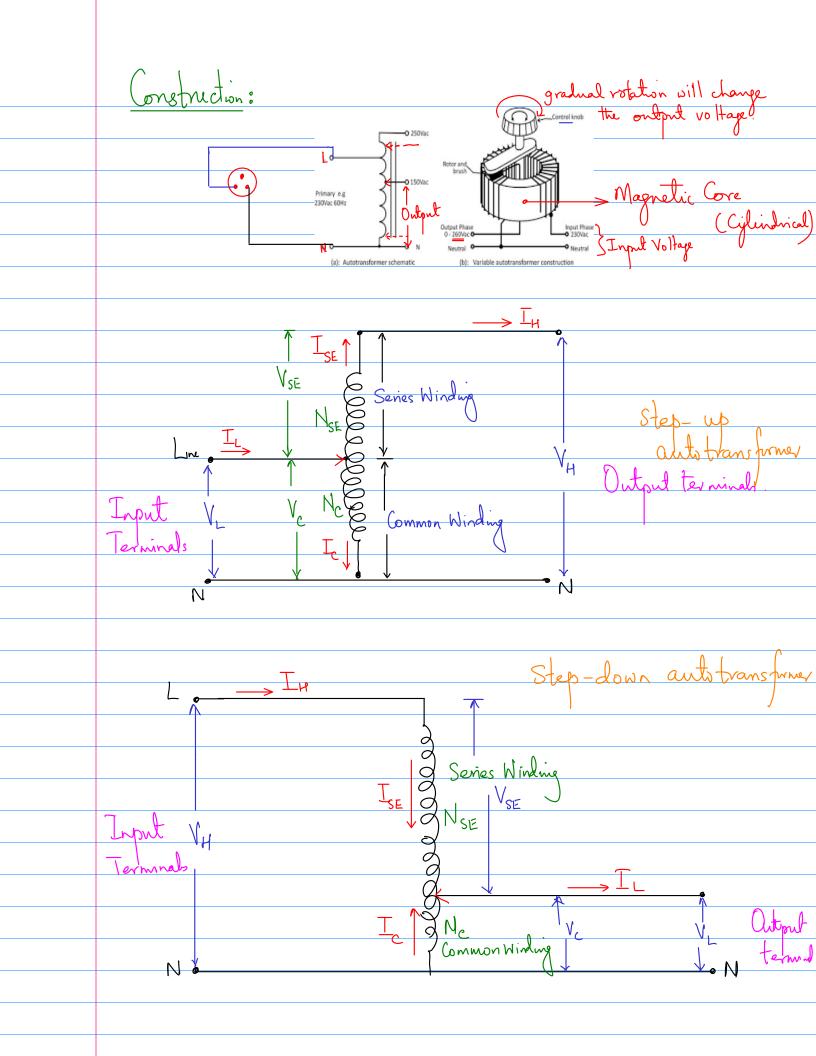
220V = 230V = 240V, 245, 250V

210V Step-down

Lendo

Attatransforms Autotransformer

-> Supply (230 V, SDH2)



Important relationships b/w voltages/currents. 1. Vc _ Nc _ variable (depends upon the VsE NsE _ position of the control knob) 2. $N_c I_c = N_{SE} I_{SE} \Rightarrow I_c = N_{SE} = Variable$ $I_{SE} = N_c$ 3. Low-voltage terminal: V_= Vc High-voltage terminal: VH = Vc + VSE $L_{L} = L_{C} + L_{SE}$ Reference: Section 2.9