



$$\frac{\sqrt{3} V_{LS}}{V_{LS}} = a$$

$$\frac{\sqrt{3} \cdot 100}{V_{LS}} = \frac{1}{3}$$

$$\frac{\sqrt{3} \cdot 100}{\frac{1}{3}} = V_{LS}$$

$$V_{LS} = 520 \text{ V}$$