

The collector supply is eventually 28 volts. If the saturation voltage is 2 V then we have:

$$P_{\text{out}} = \frac{(V_{\text{cc}} - V_{\text{sat}})^2}{2R_{\text{L}}}$$

The goal is conservative at 60W per device and total power output of 120 W is reasonable. Then the load resistance is found as:

$$R_{\text{L}} = \frac{(26)^2}{2P_{\text{out}}} = 2.8\Omega$$

Since this load is reflected across each device, a xmfr that provides a value of twice this or ~ 6 ohms is required. The nearest TLT required is 50/6 or nearly a 9:1 would be appropriate. The turns ratio of the output xmfr would eventually be 3:1.