

$$\left\{ \begin{array}{llll}
 B & = & 2T & \longrightarrow & 3T \\
 l & = & 185 \text{ cm} & \longrightarrow & 110 \text{ cm} & \text{same } R_{in} \\
 \sigma_{xy} & = & 85 \text{ } \mu\text{m} & \longrightarrow & 85 \text{ } \mu\text{m} & \text{same} \\
 L & = & 460 \text{ cm} & \longrightarrow & 310 \text{ cm} & \text{scaled by } 2/3 \\
 n & = & 80 & \longrightarrow & 50 & \text{same wire spacing}
 \end{array} \right.$$