

FALL I (FULLAST, MÄRKDRIET)

$$
P_{2}=10 \mathrm{kw}
$$

$$
\eta=0,78
$$

$$
\eta=\frac{P_{2}}{P_{1}} \Rightarrow P_{1}=12821 \mathrm{~W}
$$

$$
P_{i}=U J_{I} \approx U J_{a I} \Rightarrow J_{a I}=25,6 \mathrm{~A}
$$

$$
\text { FALL } \mathbb{I}(\text { START }, n=0)
$$

$$
\begin{gathered}
\frac{M_{I I}}{M_{I}}=2 \quad \frac{M_{I I}}{M_{I}}=\frac{k_{z} \phi J_{a I I}}{k_{2} \phi J_{a I}} \\
\frac{J_{a I}}{J_{a I}}=2 \rightarrow J_{a I}=51,3 \mathrm{~A} \\
+U-R_{a} J_{a}-E-R_{p} J_{a}=0 \\
\Rightarrow+500-2,4 \cdot 51,3-k, \phi \cdot 0-R_{p} \cdot 51,3=0 \\
\Rightarrow R_{p} \approx 7,4 \Omega
\end{gathered}
$$

