1. $U_{\text{d,rms}} = 122{,}474 \text{ V} \rightarrow \alpha = 110°$

$P_{\text{T1}} = 5{,}93 \text{ W}$

$\lambda = 0{,}5325$

2. $f_{\text{s}} = 236 \text{ Hz}$

$I_L = 33{,}53 \text{ A}$

$\Delta i_L(t) = 6{,}3 \text{ A}$

3. $D_{1,\text{bip}} = D_{1,\text{unip}} = 0{,}65$

$\Delta i_L(t) = 1{,}55 \text{ A}$