At 60 Hz, $\omega = 120\pi$.

primary:
$$(V_{\rm rms})_{\rm max} = N_1 \omega A_{\rm c} (B_{\rm rms})_{\rm max} = 3520$$
 V, rms

secondary:
$$(V_{\rm rms})_{\rm max} = N_2 \omega A_{\rm c} (B_{\rm rms})_{\rm max} = 245$$
 V, rms

At 50 Hz, $\omega = 100\pi$. Primary voltage is 2934 V, rms and secondary voltage is 204 V, rms.

(2)

The input voltage is so low during the short-circuit test that the current flows through the excitation branch can be neglected.

Because Rp and Xp is too small in comparison to Rc and Xm.