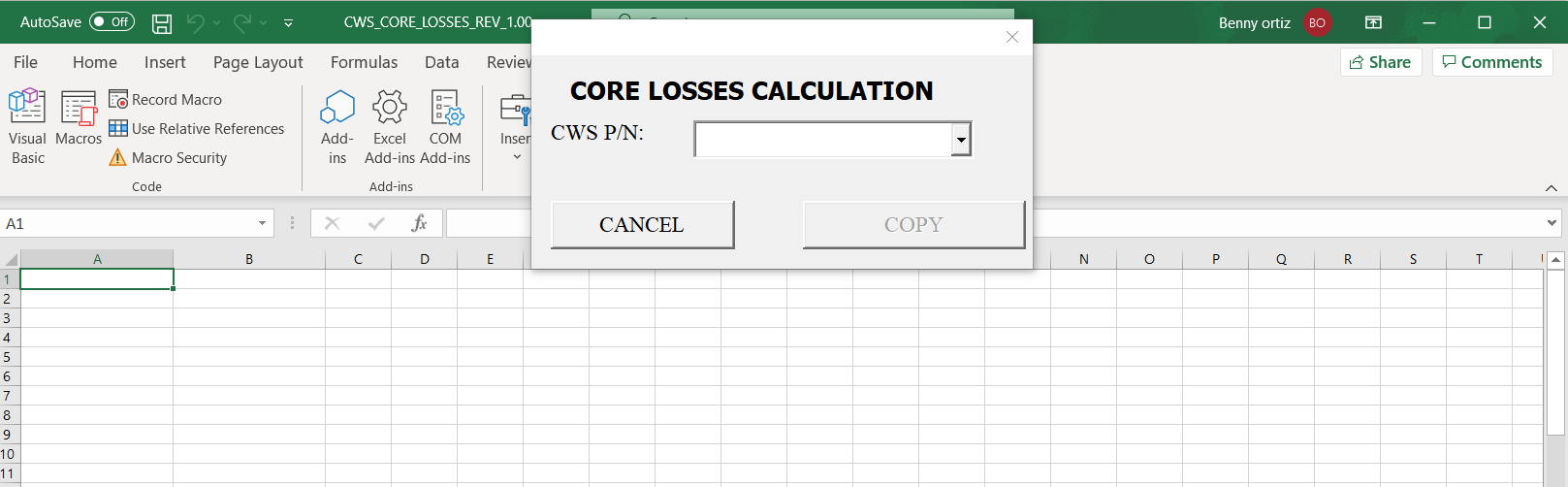
**Instructions**

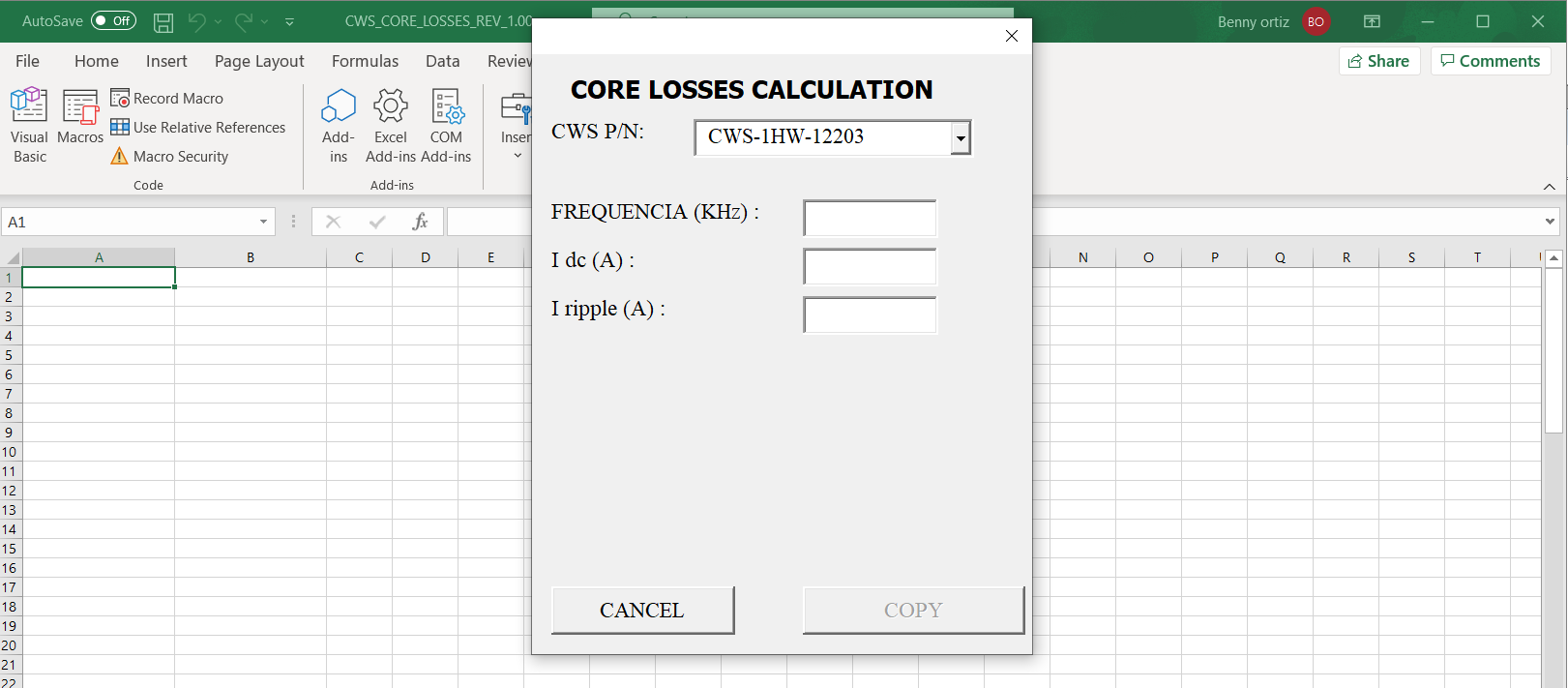
1. **After downloaded the ZIP file, extract the content to the specific folder selected by the user**
2. **Go the folder where the ZIP file was extracted**
3. **There will be two files**
   1. **CWS\_HF\_SERIES\_CORE\_LOSSES\_REV\_1.01.xlsm**
   2. **CWS\_HF\_SERIES\_CORE\_LOSSES\_REV\_1.01\_INSTRUCTIONS.DOCX. Instruction how to use the program (this file)**
4. **Double click on CWS\_CORE\_LOSSES\_REV\_1.01.xlsm. Be sure the macros are enabled.**
5. **Please read the Disclaimer. Press Accept to continue with the program or CANCEL to avoid using the program.**



1. **After clicking on the OK button the next screen will be shown**

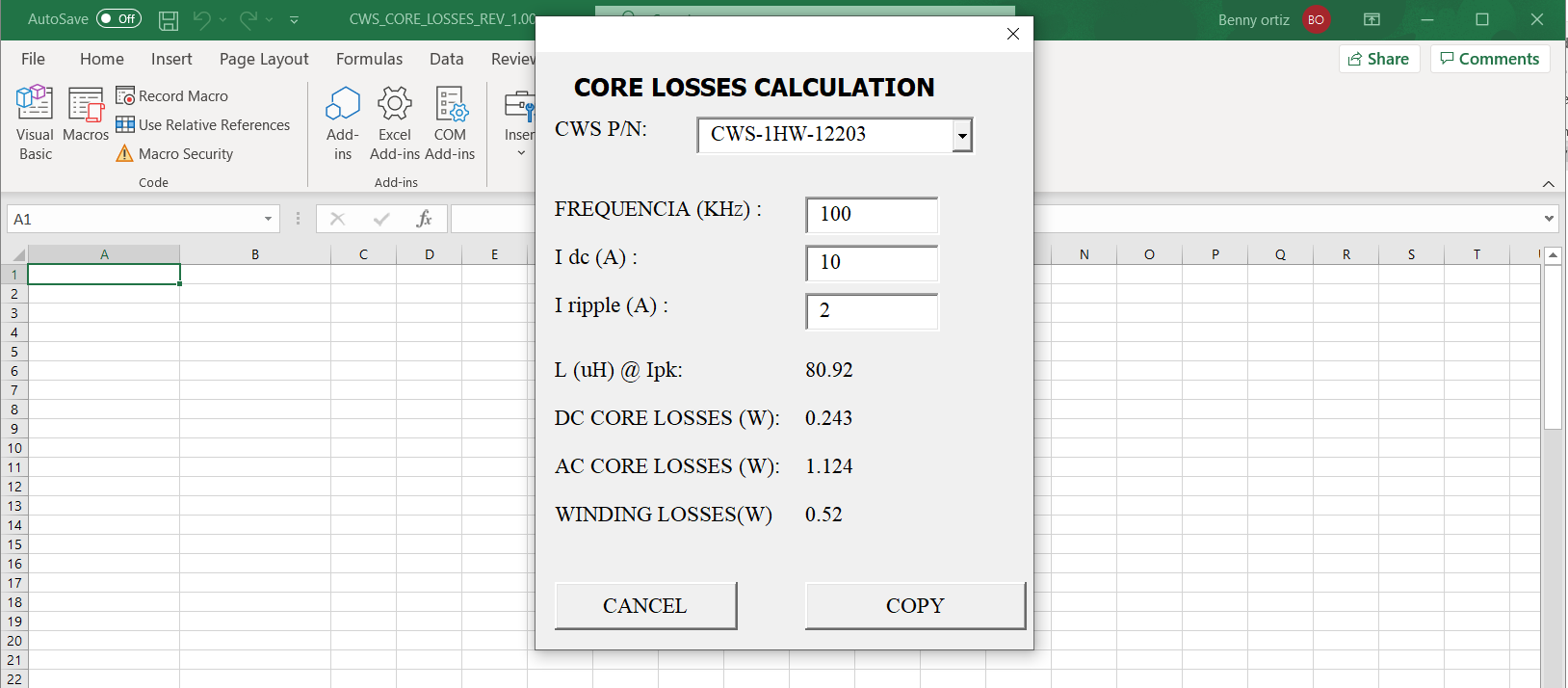
****

1. **Click on the arrow at the right of the white rectangular box to select the CWS P/N**
2. **Now the window expands to show more fields where a data will be introduced**

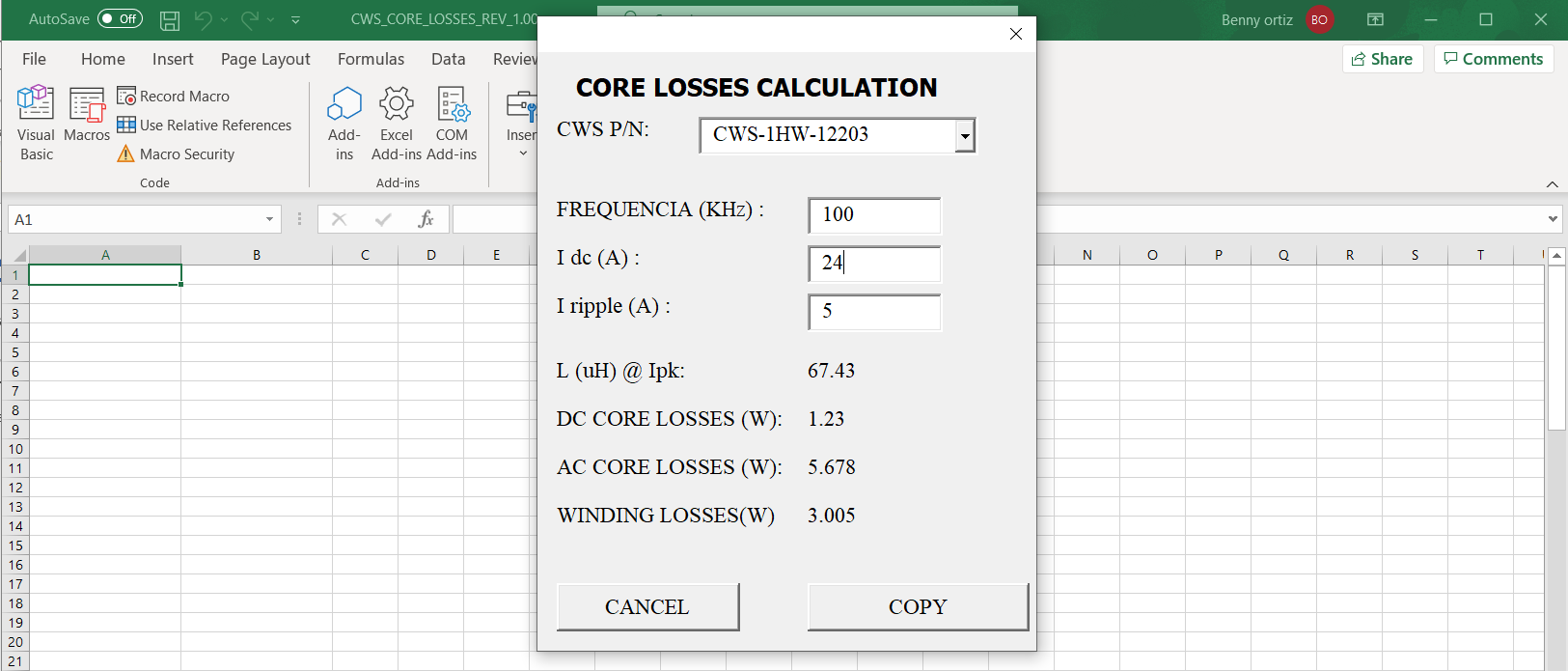
****

1. **Type the Frequency (It is already set in KHz), DC current and Ripple Current.**
2. **Automatically all the results will show in the las four fields**

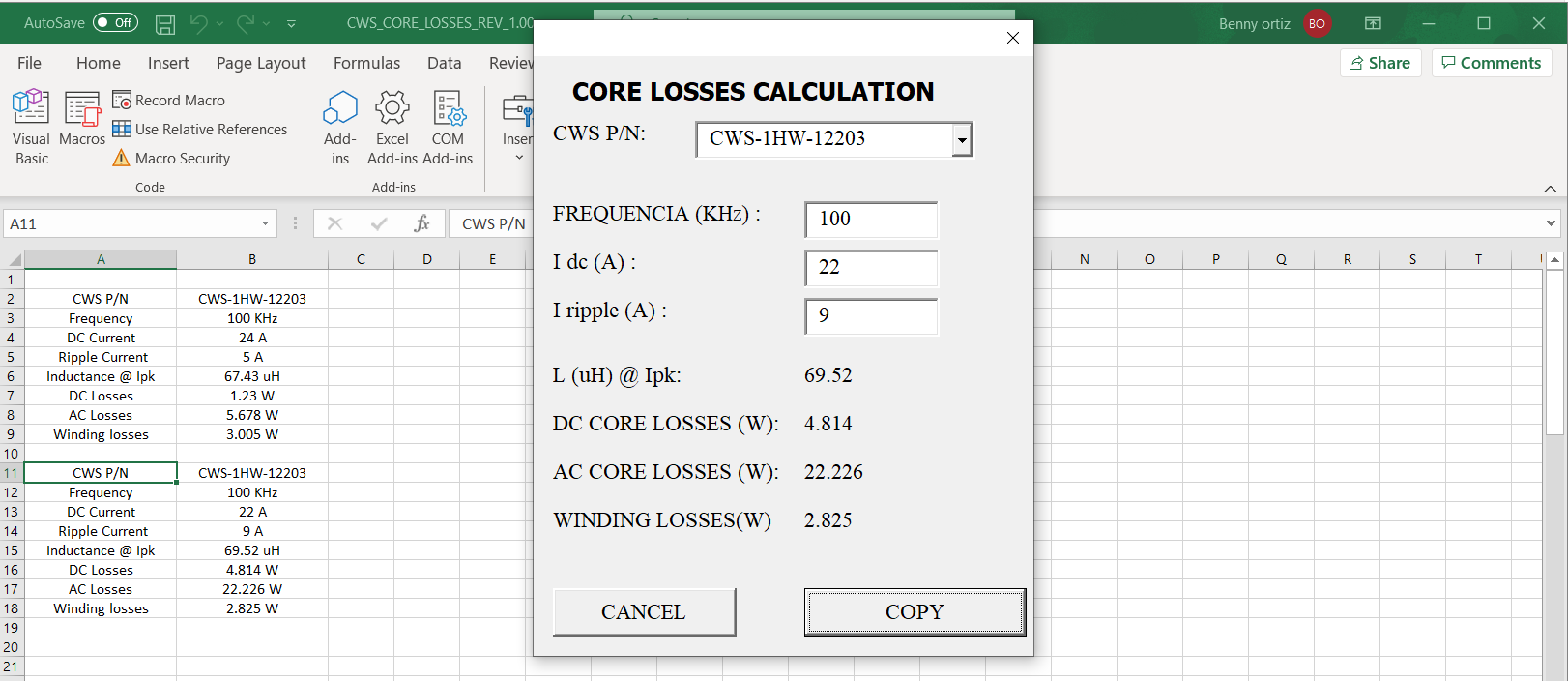
**Inductance @ Ipk, DC losses, AC Losses and Winding Losses**

****

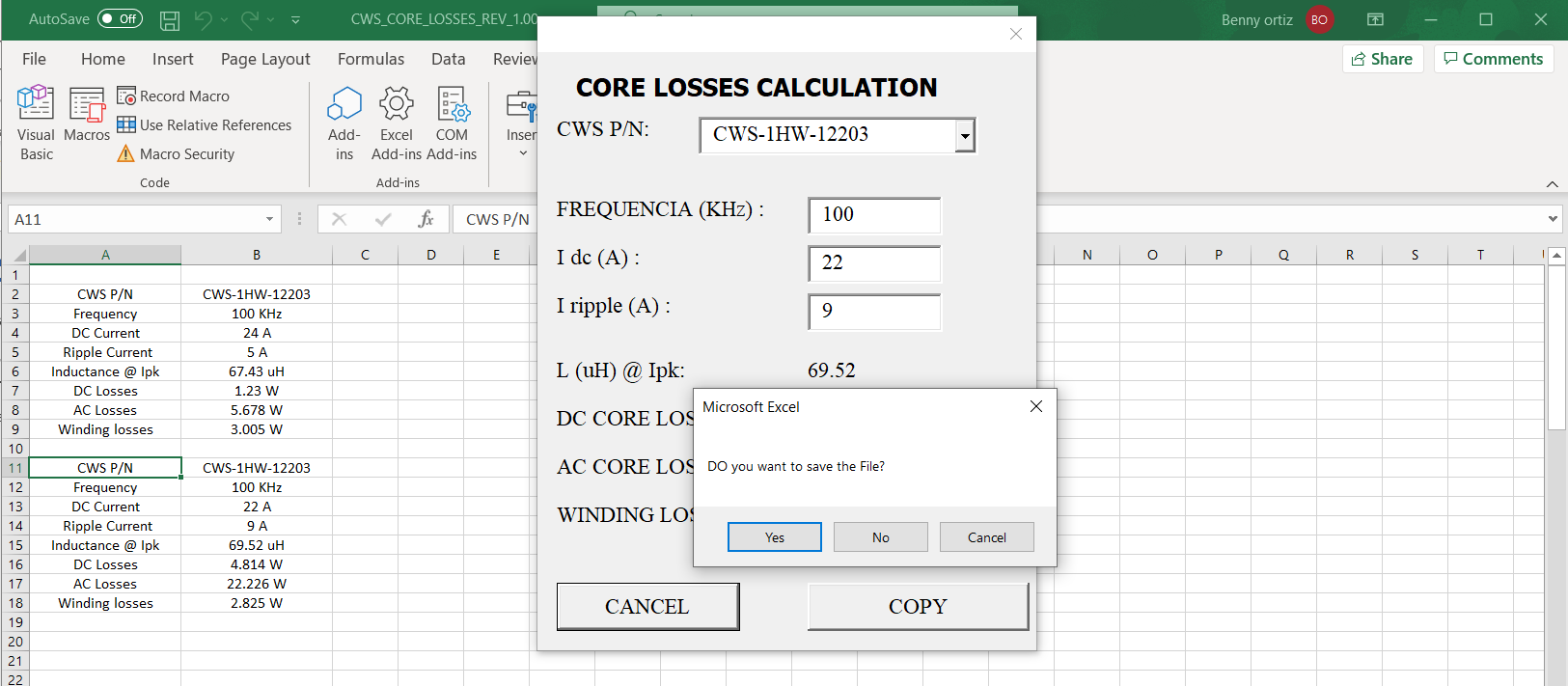
1. **The input parameters can be changed any time and automatically the results will change according the new inputs**

****

1. **Click on “COPY” button to copy the data the spread sheet**

****

1. **To finish the program just click on the button “CANCEL” and a window will pop up with the option, “YES”, “NO” and “CANCEL”**

****

1. **If “YES” is selected, the file will be saved and the program will be closed**
2. **If “NO” is selected, the file will not be saved and the program will be closed**
3. **If “CANCEL” is selected the window will be closed and the program remains open.**

**\*\*\*Any questions or suggestion please send us an email to** [**sales@coilws.com**](mailto:sales@coilws.com)